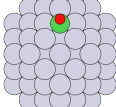
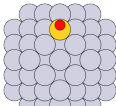

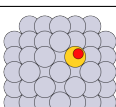
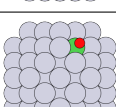
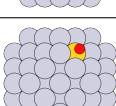
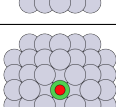
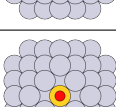
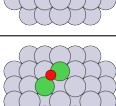
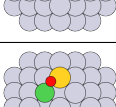
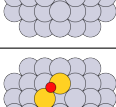
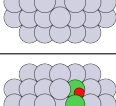
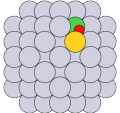
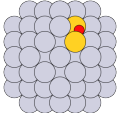
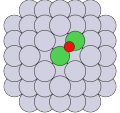
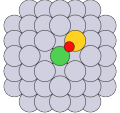
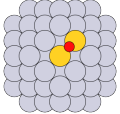
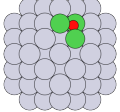
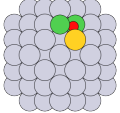
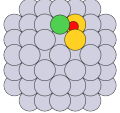
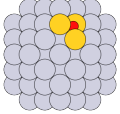
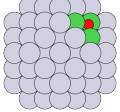
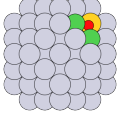
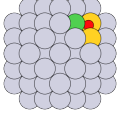
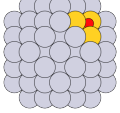


Table 1: All symmetry-inequivalent adsorption sites of a nanoparticle.

Site	Surface	Label 1	Composition	Label 2	Snapshot
ontop	vertex	1	A	1	
			B	2	
	edge	2	A	3	
			B	4	
	fcc111	3	A	5	
			B	6	
	fcc100	4	A	7	
			B	8	
	edge	5	AA	9	
			AB	10	
			BB	11	
			AA	12	

Site	Surface	Label 1	Composition	Label 2	Snapshot
bridge	fcc111	6	AB	13	
			BB	14	
	fcc100	7	AA	15	
			AB	16	
			BB	17	
fcc	fcc111	8	AAA	18	
			AAB	19	
			ABB	20	
			BBB	21	
hcp	fcc111	9	AAA	22	
			AAB	23	
			ABB	24	
			BBB	25	

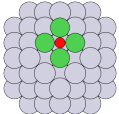
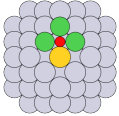
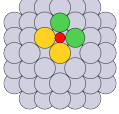
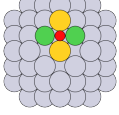
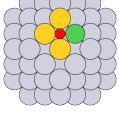
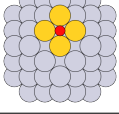











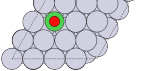

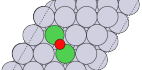

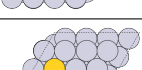
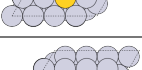


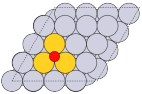
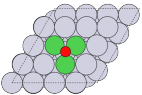
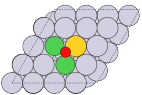

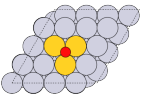










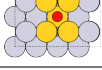
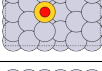
Site	Surface	Label 1	Composition	Label 2	Snapshot
4fold	fcc100	10	AAAA	26	
			AAAB	27	
			AABB	28	
			ABAB	29	
			ABBB	30	
			BBBB	31	

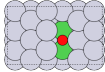
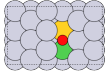
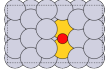
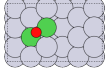
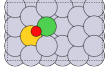
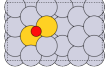
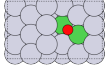
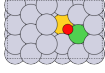
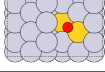
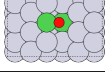
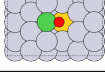
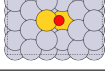
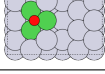
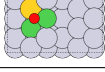
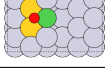
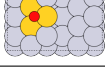
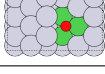
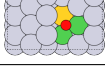
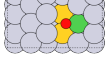
Table 2: All symmetry-inequivalent adsorption sites of 20 common surfaces.

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc100	ontop	terrace	1	A	1	
				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
				BB	5	
	4fold	terrace	3	AAAA	6	
				AAAB	7	
				AABB	8	
				ABAB	9	
				ABBB	10	
				BBBB	11	
	ontop	terrace	1	A	1	
				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
				BB	5	
				AAA	6	

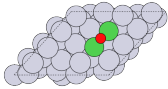


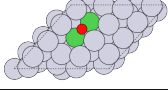
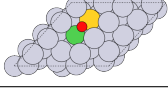
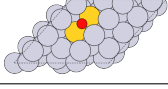
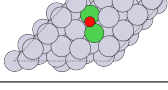



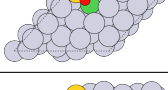
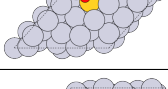
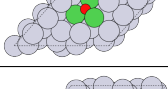

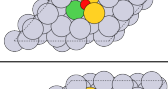

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc111	fcc	terrace	3	AAB	7	
				ABB	8	
				BBB	9	
	hcp	terrace	4	AAA	10	
				AAB	11	
				ABB	12	
				BBB	13	
	ontop	step	1	A	1	
				B	2	
	bridge	step	2	AA	3	
				AB	4	
				BB	5	
		sc-tc-h	3	AA	6	
				AB	7	
				BB	8	
	fcc	sc-tc-h	4	AAA	9	
				AAB	10	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc110				ABB	11	
				BBB	12	
	hcp	sc-tc-h	5	AAA	13	
				AAB	14	
				ABB	15	
				BBB	16	
	4fold	terrace	6	AA-AA	17	
				AA-AB	18	
				AA-BB	19	
				AB-AA	20	
				AB-AB	21	
				AB-BB	22	
				BB-AA	23	
				BB-AB	24	
				BB-BB	25	
				A-AAAA	26	
				A-AAAB	27	
				A-AABB	28	
				A-ABAB	29	

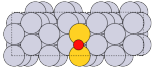
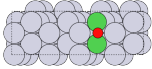
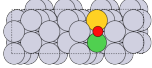
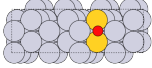
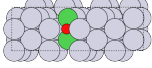
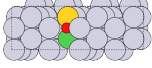
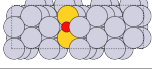
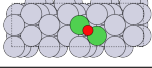
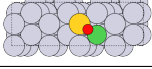
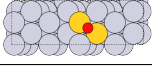
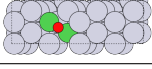
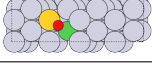
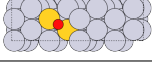
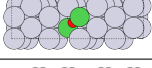
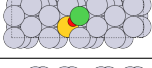
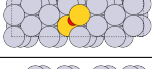
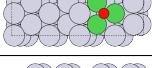
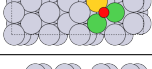

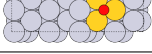
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	5fold	terrace	7	A-ABBA	30	
				A-ABBB	31	
				A-BBBB	32	
				B-AAAA	33	
				B-AAAB	34	
				B-AABB	35	
				B-ABAB	36	
				B-ABBA	37	
				B-ABBB	38	
				B-BBBB	39	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	
		step	4	AA	7	
				AB	8	
				BB	9	

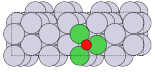
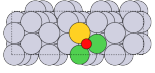
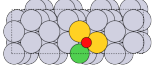
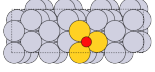
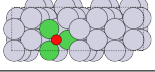
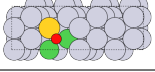
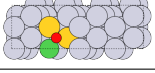
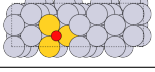
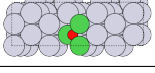
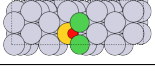

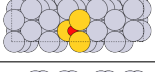
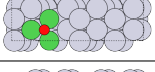


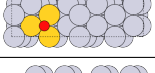
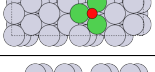


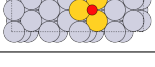
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc211	bridge	corner	5	AA	10	
				AB	11	
				BB	12	
		sc-tc-h	6	AA	13	
				AB	14	
				BB	15	
		tc-cc-h	7	AA	16	
				AB	17	
				BB	18	
		sc-cc-t	8	AA	19	
				AB	20	
				BB	21	
	fcc	sc-tc-h	9	AAA	22	
				AAB	23	
				ABB	24	
				BBB	25	
		tc-cc-h	10	AAA	26	
				AAB	27	
				ABB	28	

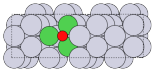
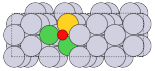
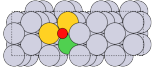
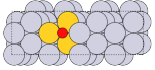
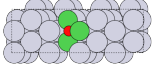
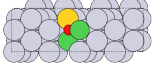
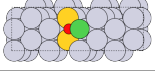
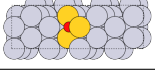
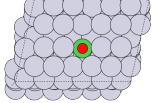
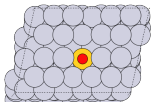
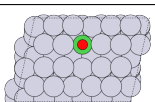
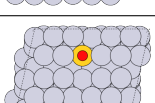
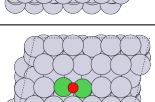
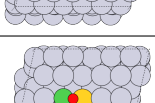
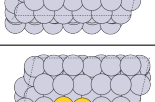
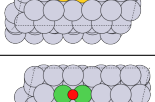
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				BBB	29	
	hcp	sc-tc-h	11	AAA	30	
				AAB	31	
				ABB	32	
				BBB	33	
		tc-cc-h	12	AAA	34	
				AAB	35	
				ABB	36	
				BBB	37	
	4fold	sc-cc-t	13	AAAA	38	
				AAAB	39	
				AABB	40	
				ABAB	41	
				ABBB	42	
				BBBB	43	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	

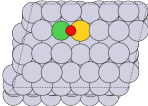
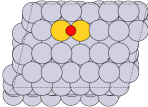
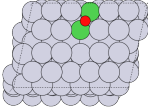
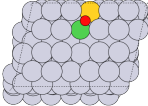
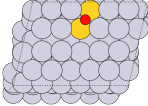
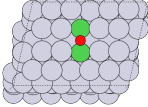
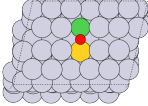
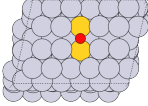
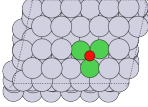
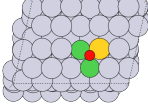
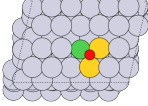
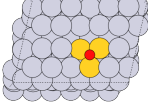
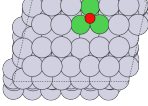
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc311	bridge	step	3	AA	5	
				AB	6	
				BB	7	
		terrace	4	AA	8	
				AB	9	
				BB	10	
		sc-tc-h	5	AA	11	
				AB	12	
				BB	13	
		sc-tc-t	6	AA	14	
				AB	15	
				BB	16	
	fcc	tc-cc-h	7	AAA	17	
				AAB	18	
				ABB	19	
				BBB	20	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	hcp	sc-tc-h	8	AAA	21	
				AAB	22	
				ABB	23	
				BBB	24	
	4fold	sc-cc-t	9	AAAA	25	
				AAAB	26	
				AABB	27	
				ABAB	28	
				ABBB	29	
				BBBB	30	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	
		step	4	AA	7	
				AB	8	

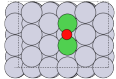
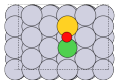
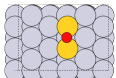
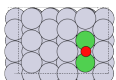
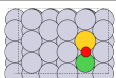
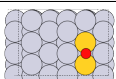
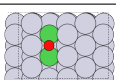
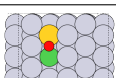
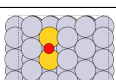
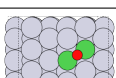

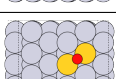
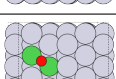
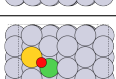
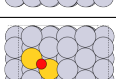
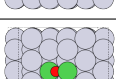
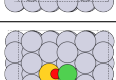
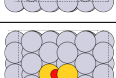
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc221	bridge			BB	9	
		terrace	5	AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	
				BB	15	
		sc-tc-h	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-h	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-h	9	AA	22	
				AB	23	
				BB	24	
		terrace	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	

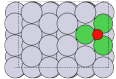
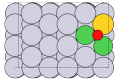
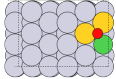
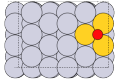
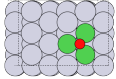
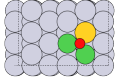
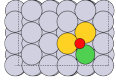
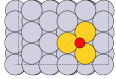
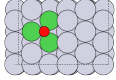
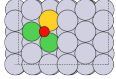
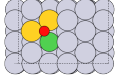
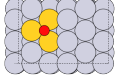
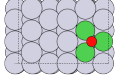
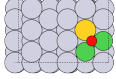
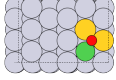
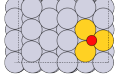
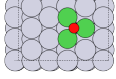
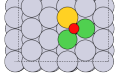
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	fcc	sc-tc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	
		tc-cc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
		sc-cc-h	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
	hcp	terrace	14	AAA	41	
				AAB	42	
				ABB	43	
				BBB	44	
		sc-tc-h	15	AAA	45	
				AAB	46	
				ABB	47	
				BBB	48	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
		tc-cc-h	16	AAA	49	
				AAB	50	
				ABB	51	
				BBB	52	
		sc-cc-h	17	AAA	53	
				AAB	54	
				ABB	55	
				BBB	56	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		step	3	AA	5	
				AB	6	
				BB	7	
				AA	8	

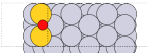
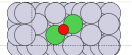

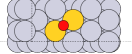
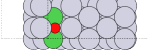

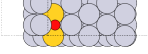


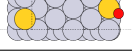









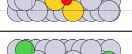




Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc331	bridge	terrace	4	AB	9	
				BB	10	
		sc-tc-h	5	AA	11	
				AB	12	
				BB	13	
				AA	14	
				AB	15	
				BB	16	
		sc-tc-t	6	AA	17	
				AAB	18	
				ABB	19	
				BBB	20	
	fcc	tc-cc-h	7	AAA	21	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	hcp	sc-tc-h	8	AAA	22	
				ABB	23	
				BBB	24	
	4fold	sc-cc-t	9	AAAA	25	
				AAAB	26	
				AABB	27	
				ABAB	28	
				ABBB	29	
				BBBB	30	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	












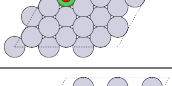
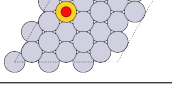

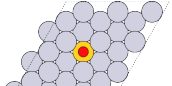
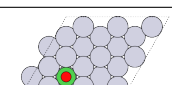
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	bridge	step	4	AA	7	
				AB	8	
				BB	9	
		terrace	5	AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	
				BB	15	
		sc-tc-h	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-h	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-h	9	AA	22	
				AB	23	
				BB	24	

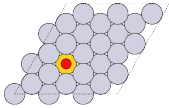
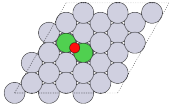
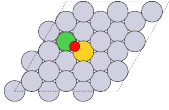
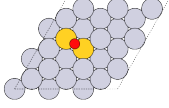
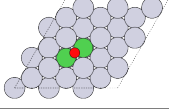
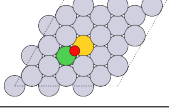
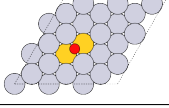
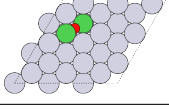
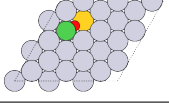
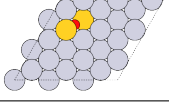
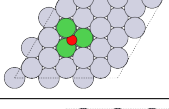
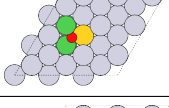
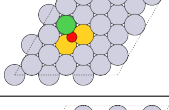

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc322	fcc	terrace	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	
		sc-tc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	
		tc-cc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
	hcp	terrace	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
		sc-tc-h	14	AAA	41	
				AAB	42	

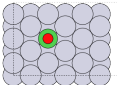
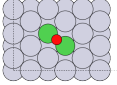
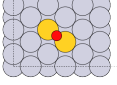
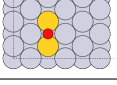
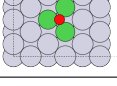


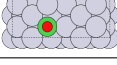
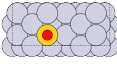
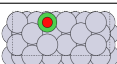
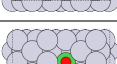
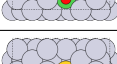
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				ABB	43	
				BBB	44	
				AAA	45	
				AAB	46	
		tc-cc-h	15	ABB	47	
				BBB	48	
				AAAA	49	
				AAAB	50	
	4fold	sc-cc-t	16	AABB	51	
				ABAB	52	
				ABBB	53	
				BBBB	54	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	
		step	4	AA	7	
				AB	8	

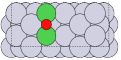
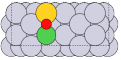
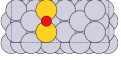
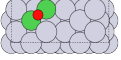

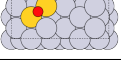
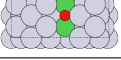
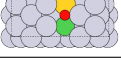
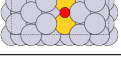
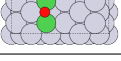


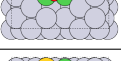
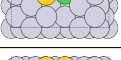

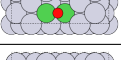
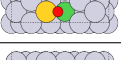
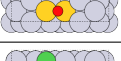
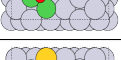
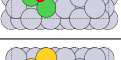
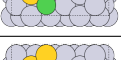
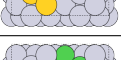
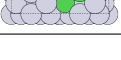
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc332	bridge			BB	9	
		terrace	5	AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	
				BB	15	
		sc-tc-h	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-h	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-h	9	AA	22	
				AB	23	
				BB	24	
	fcc	terrace	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	
		sc-tc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	

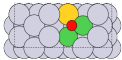
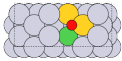
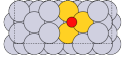
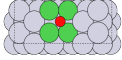
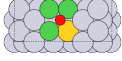
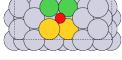
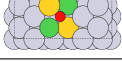

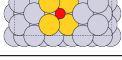
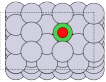
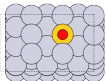
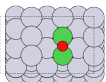
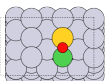
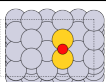
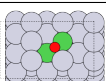
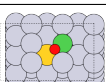
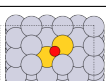
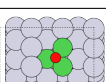
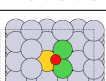
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
		tc-cc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
		sc-cc-h	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
	hcp	terrace	14	AAA	41	
				AAB	42	
				ABB	43	
				BBB	44	
		sc-tc-h	15	AAA	45	
				AAB	46	
				ABB	47	
				BBB	48	
		tc-cc-h	16	AAA	49	
				AAB	50	
				ABB	51	
				BBB	52	
		sc-cc-h	17	AAA	53	
				AAB	54	
				ABB	55	
				BBB	56	

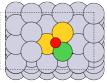
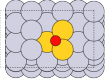
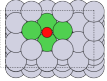
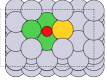
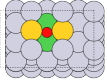
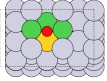
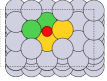
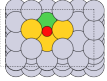
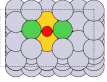
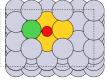
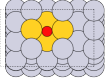
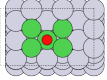
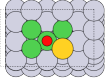
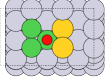
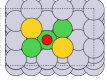
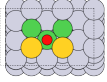
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc100	ontop	terrace	1	A	1	
				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
				BB	5	
	4fold	terrace	3	AAAA	6	
				AAAB	7	
				AABB	8	
				ABAB	9	
				ABBB	10	
				BBBB	11	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	

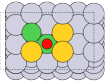
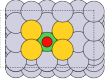
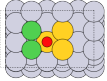
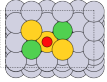
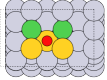
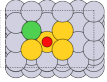
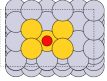
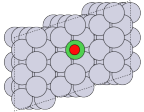
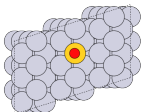
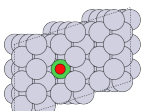
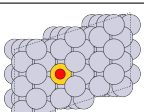
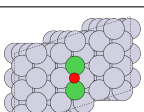
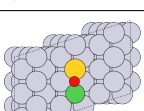
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc111				B	6	
	shortbridge	sc-tc-o	4	AA	7	
				AB	8	
				BB	9	
		tc-cc-o	5	AA	10	
				AB	11	
				BB	12	
	longbridge	sc-cc-o	6	AA	13	
				AB	14	
				BB	15	
	3fold	sc-tc-cc-o	7	AAA	16	
				AAB	17	
				ABB	18	
				BBB	19	

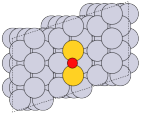
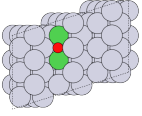
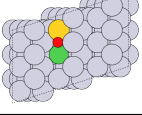
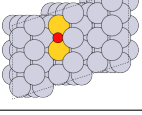
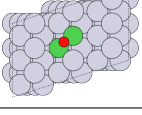
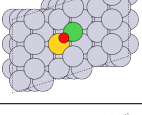
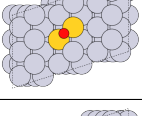


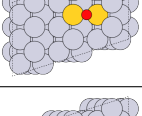
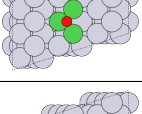
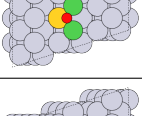

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc110	ontop	terrace	1	A	1	
				B	2	
	shortbridge	terrace	2	AA	3	
				AB	4	
				BB	5	
	longbridge	terrace	3	AA	6	
				AB	7	
				BB	8	
	3fold	terrace	4	AAA	9	
				AAB	10	
				ABB	11	
				BBB	12	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	

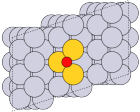
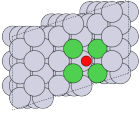
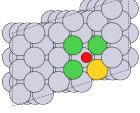
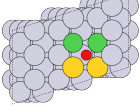
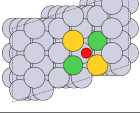
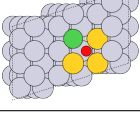
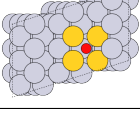
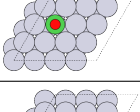
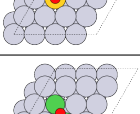
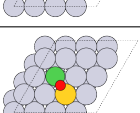
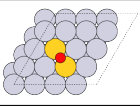
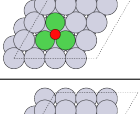


Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc210	bridge	step	4	AA	7	
				AB	8	
				BB	9	
		terrace	5	AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	
				BB	15	
		sc-tc-o	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-o	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-t	9	AA	22	
				AB	23	
				BB	24	
	3fold	sc-tc-o	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	
				AAA	29	

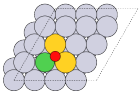
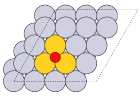
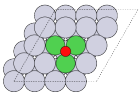
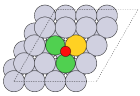
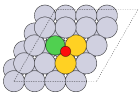
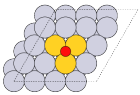
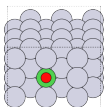
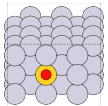
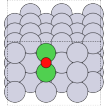
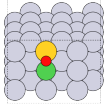
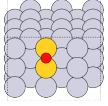
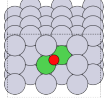
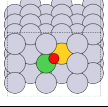
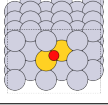
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
		tc-cc-o	11	AAB	30	
				ABB	31	
				BBB	32	
	4fold	sc-cc-t	12	AAAA	33	
				AAAB	34	
				AABB	35	
				ABAB	36	
				ABBB	37	
				BBBB	38	
	ontop	step	1	A	1	
				B	2	
	bridge	step	2	AA	3	
				AB	4	
				BB	5	
		sc-tc-o	3	AA	6	
				AB	7	
				BB	8	
	3fold	sc-tc-o	4	AAA	9	
				AAB	10	

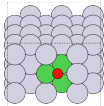
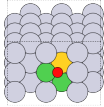
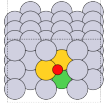
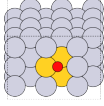
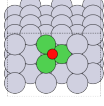
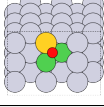
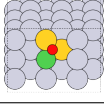
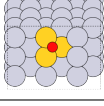
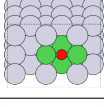
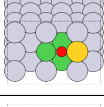
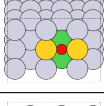
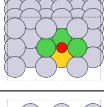
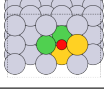
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc211				ABB	11	
				BBB	12	
	4fold	terrace	5	AA-AA	13	
				AA-AB	14	
				AA-BB	15	
				AB-AA	16	
				AB-AB	17	
				AB-BB	18	
				BB-AA	19	
				BB-AB	20	
				BB-BB	21	
				A-AAAA	22	
				A-AAAB	23	
				A-AABB	24	
				A-ABAB	25	
				A-ABBA	26	

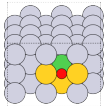
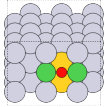
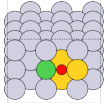
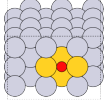
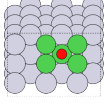
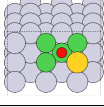
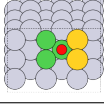
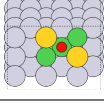
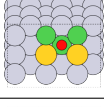
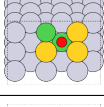
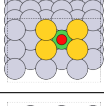
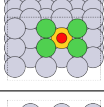
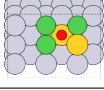
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	5fold	terrace	6	A-ABBB	27	
				A-BBBB	28	
				B-AAAA	29	
				B-AAAB	30	
				B-AABB	31	
				B-ABAB	32	
				B-ABBA	33	
				B-ABBB	34	
				B-BBBB	35	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		step	3	AA	5	
				AB	8	

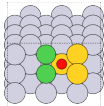
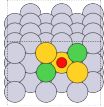
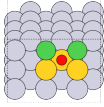
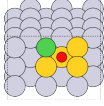
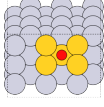
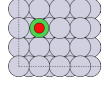
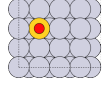
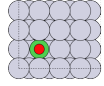
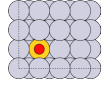
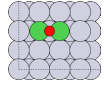
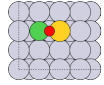
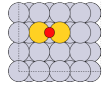
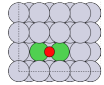
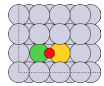
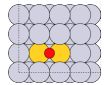
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc310	bridge	terrace	4	BB	7	
				AA	8	
				AB	9	
				BB	10	
		sc-tc-o	5	AA	11	
				AB	12	
				BB	13	
		sc-tc-t	6	AA	14	
				AB	15	
				BB	16	
	3fold	sc-tc-o	7	AAA	17	
				AAB	18	
				ABB	19	

















Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	4fold	sc-tc-t	8	BBB	20	
				AAAA	21	
				AAAB	22	
				AABB	23	
				ABAB	24	
				ABBB	25	
				BBBB	26	
hcp0001	ontop	terrace	1	A	1	
				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
				BB	5	
	fcc	terrace	3	AAA	6	
				AAB	7	


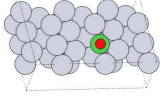
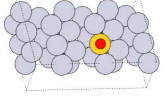
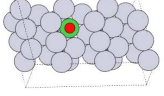
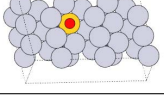
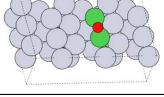
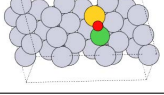
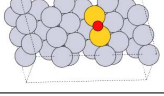
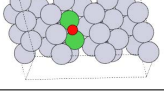
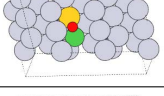
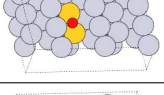
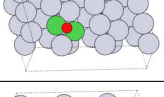
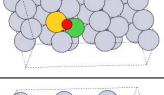
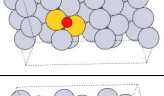

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				ABB	8	
				BBB	9	
	hcp	terrace	4	AAA	10	
				AAB	11	
				ABB	12	
				BBB	13	
	ontop	step	1	A	1	
				B	2	
	bridge	step	2	AA	3	
				AB	4	
				BB	5	
		sc-tc-h	3	AA	6	
				AB	7	
				BB	8	

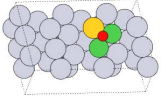
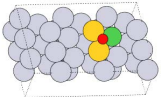
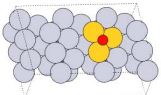
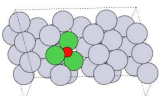
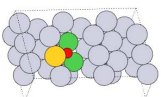
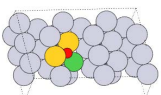
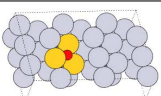
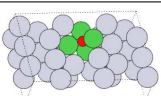
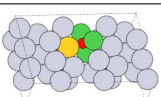
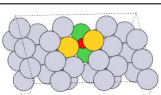
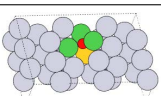
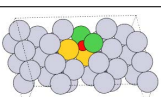
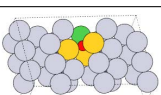
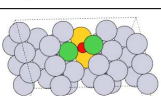
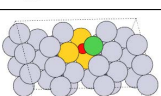
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m10h	fcc	sc-tc-h	4	AAA	9	
				AAB	10	
				ABB	11	
				BBB	12	
	hcp	sc-tc-h	5	AAA	13	
				AAB	14	
				ABB	15	
				BBB	16	
	4fold	terrace	6	AA-AA	17	
				AA-AB	18	
				AA-BB	19	
				AB-AA	20	
				AB-AB	21	

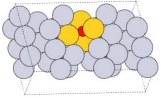
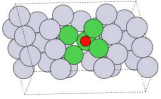
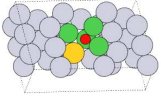
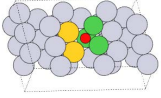
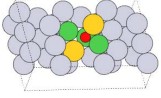
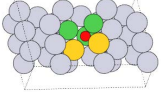
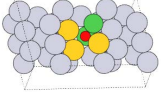
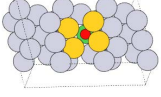
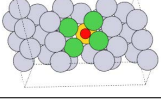
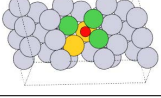
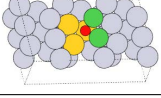
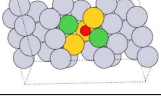
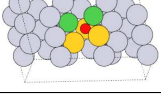
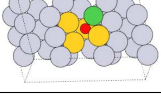
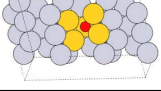
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				AB-BB	22	
				BB-AA	23	
				BB-AB	24	
				BB-BB	25	
	5fold	terrace	7	A-AAAA	26	
				A-AAAB	27	
				A-AABB	28	
				A-ABAB	29	
				A-ABBA	30	
				A-ABBB	31	
				A-BBBB	32	
				B-AAAA	33	
				B-AAAB	34	

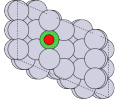
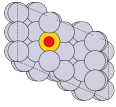
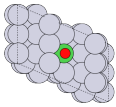
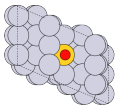
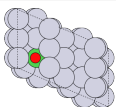
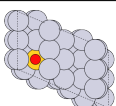
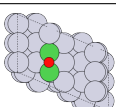
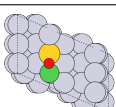
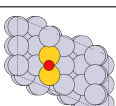
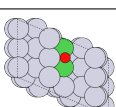
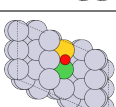
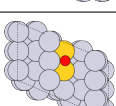
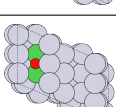

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				B-AABB	35	
				B-ABAB	36	
				B-ABBA	37	
				B-ABBB	38	
				B-BBBB	39	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
	bridge	step	3	AA	5	
				AB	6	
				BB	7	
		terrace	4	AA	8	
				AB	9	
				BB	10	

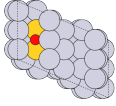
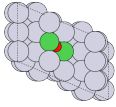
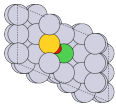
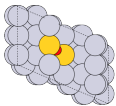
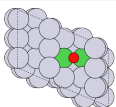
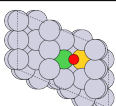
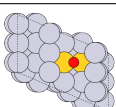
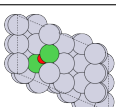
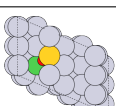
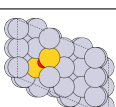
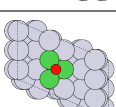
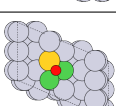
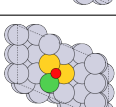
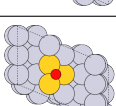
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m10t		sc-tc-t	5	AA	11	
				AB	12	
				BB	13	
	5fold	subsurf	6	A-AAAA	14	
				A-AAAB	15	
				A-AABB	16	
				A-ABAB	17	
				A-ABBA	18	
				A-ABBB	19	
				A-BBBB	20	
				B-AAAA	21	
				B-AAAB	22	
				B-AABB	23	
				B-ABAB	24	
				B-ABBA	25	
				B-ABBB	26	

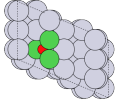
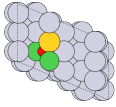
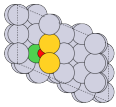
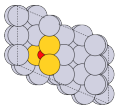
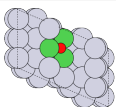
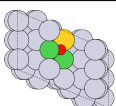
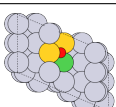
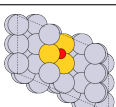
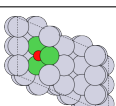
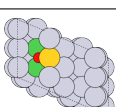
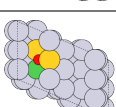
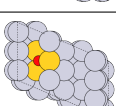
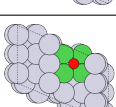

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				B-BBBB	27	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
	bridge	step	3	AA	5	
				AB	6	
				BB	7	
		terrace	4	AA	8	
				AB	9	
				BB	10	
		sc-tc-h	5	AA	11	
				AB	12	
				BB	13	
				AAA	14	

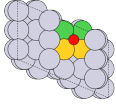
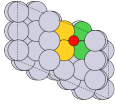
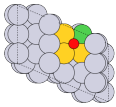
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m11	fcc	sc-tc-h	6	AAB	15	
				ABB	16	
				BBB	17	
	hcp	sc-tc-h	7	AAA	18	
				AAA	19	
				ABB	20	
				BBB	21	
	4fold	subsurf	8	AA-AA	22	
				AA-AB	23	
				AA-BB	24	
				AB-AA	25	
				AB-AB	26	
				AB-BB	27	
				BB-AA	28	
				BB-AB	29	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	5fold	subsurf	9	BB-BB	30	
				A-AAAA	31	
				A-AAAB	32	
				A-AABB	33	
				A-ABAB	34	
				A-ABBA	35	
				A-ABBB	36	
				A-BBBB	37	
				B-AAAA	38	
				B-AAAB	39	
				B-AABB	40	
				B-ABAB	41	
				B-ABBA	42	
				B-ABBB	43	
				B-BBBB	44	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	
		step	4	AA	7	
				AB	8	
				BB	9	
		terrace	5	AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m12	bridge			BB	15	
		sc-tc-h	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-t	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-h	9	AA	22	
				AB	23	
				BB	24	
	fcc	sc-tc-h	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
		sc-cc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	
	hcp	sc-tc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
		sc-cc-h	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
				AAAA	41	
				AAAB	42	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	4fold	tc-cc-t	14	AABB	43	
				ABAB	44	
				ABBB	45	
				BBBB	46	