

# Wei-Xue Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121  
papers

7,790  
citations

43  
h-index

87  
g-index

130  
ext. papers

9,293  
ext. citations

8  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
121	Finding Key Factors for Efficient Water and Methanol Activation at Metals, Oxides, MXenes, and Metal/Oxide Interfaces.. <i>ACS Catalysis</i> , <b>2022</b> , 12, 1237-1246	13.1	0
120	Atomically dispersed Ir/EMoC catalyst with high metal loading and thermal stability for water-promoted hydrogenation reaction.. <i>National Science Review</i> , <b>2022</b> , 9, nwab026	10.8	18
119	First-Principles Study of Oxygen-Induced Disintegration and Ripening of Late Transition Metal Nanoparticles on Rutile-TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 8056-8064	3.8	
118	Sabatier principle of metal-support interaction for design of ultrastable metal nanocatalysts. <i>Science</i> , <b>2021</b> , 374, 1360-1365	33.3	30
117	Boosting Activity and Stability of Metal Single-Atom Catalysts via Regulation of Coordination Number and Local Composition. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18854-18858	16.4	23
116	K-Edge XANES Investigation of Fe-Based Oxides by Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 26229-26239	3.8	1
115	Bimetallic monolayer catalyst breaks the activity-selectivity trade-off on metal particle size for efficient chemoselective hydrogenations. <i>Nature Catalysis</i> , <b>2021</b> , 4, 840-849	36.5	19
114	Intrinsic Electrocatalytic Activity for Oxygen Evolution of Crystalline 3d-Transition Metal Layered Double Hydroxides. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14567-14578	3.6	8
113	Intrinsic Electrocatalytic Activity for Oxygen Evolution of Crystalline 3d-Transition Metal Layered Double Hydroxides. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14446-14457	16.4	40
112	Crystallographic and morphological sensitivity of N <sub>2</sub> activation over ruthenium. <i>Chinese Journal of Chemical Physics</i> , <b>2021</b> , 34, 263-272	0.9	0
111	Synergizing metal-support interactions and spatial confinement boosts dynamics of atomic nickel for hydrogenations. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 1141-1149	28.7	40
110	Hydroxyl improving the activity, selectivity and stability of supported Ni single atoms for selective semi-hydrogenation. <i>Chemical Science</i> , <b>2021</b> , 12, 10290-10298	9.4	4
109	Water enables mild oxidation of methane to methanol on gold single-atom catalysts. <i>Nature Communications</i> , <b>2021</b> , 12, 1218	17.4	44
108	Quantification of critical particle distance for mitigating catalyst sintering. <i>Nature Communications</i> , <b>2021</b> , 12, 4865	17.4	13
107	Bimetallic Cu/Rh Catalyst for Preferential Oxidation of CO in H <sub>2</sub> : a DFT Study. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 19697-19705	3.8	2
106	Bridge sulfur vacancies in MoS <sub>2</sub> catalyst for reverse water gas shift: A first-principles study. <i>Applied Surface Science</i> , <b>2021</b> , 561, 149925	6.7	5
105	In-situ structure and catalytic mechanism of NiFe and CoFe layered double hydroxides during oxygen evolution. <i>Nature Communications</i> , <b>2020</b> , 11, 2522	17.4	273

104	Surface Iron Species in Palladium-Iron Intermetallic Nanocrystals that Promote and Stabilize CO Methanation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14434-14442	16.4	22
103	Probing surface defects of ZnO using formaldehyde. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 074714	3.9	4
102	Compensation between Surface Energy and hcp/fcc Phase Energy of Late Transition Metals from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 11005-11014	3.8	13
101	Surface Iron Species in Palladium-Iron Intermetallic Nanocrystals that Promote and Stabilize CO <sub>2</sub> Methanation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14542-14550	3.6	6
100	Machine-learning adsorption on binary alloy surfaces for catalyst screening. <i>Chinese Journal of Chemical Physics</i> , <b>2020</b> , 33, 703-711	0.9	0
99	Ligand Stabilized Ni Catalyst for Efficient CO Oxidation. <i>ChemPhysChem</i> , <b>2020</b> , 21, 2417-2425	3.2	2
98	Morphology Evolution of FCC and HCP Cobalt Induced by a CO Atmosphere from Ab Initio Thermodynamics. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 23200-23209	3.8	3
97	CO activation and methanation mechanism on hexagonal close-packed Co catalysts: effect of functionals, carbon deposition and surface structure. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 3387-3398	5.5	0
96	Single Ru Sites-Embedded Rutile TiO <sub>2</sub> Catalyst for Non-Oxidative Direct Conversion of Methane: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 14391-14397	3.8	9
95	Adsorption Features of Formaldehyde on TiO(110) Surface Probed by High-Resolution Scanning Tunnelling Microscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 3352-3358	6.4	8
94	Metal-support interaction controlled migration and coalescence of supported particles. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 762-772	3.5	6
93	Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. <i>Nature Catalysis</i> , <b>2019</b> , 2, 304-313	36.5	420
92	Influence of Cobalt Crystal Structures on Activation of Nitrogen Molecule: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10956-10966	3.8	7
91	Influence of Crystal Facet and Phase of Titanium Dioxide on Ostwald Ripening of Supported Pt Nanoparticles from First-Principles Kinetics. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11020-11031	3.8	17
90	Interplay Between Site Activity and Density of BCC Iron for Ammonia Synthesis Based on First-Principles Theory. <i>ChemCatChem</i> , <b>2019</b> , 11, 1928-1934	5.2	6
89	Carbon Monoxide Activation on Cobalt Carbide for Fischer-Tropsch Synthesis from First-Principles Theory. <i>ACS Catalysis</i> , <b>2019</b> , 9, 8093-8103	13.1	25
88	Nitrogen-doped graphene layers for electrochemical oxygen reduction reaction boosted by lattice strain. <i>Journal of Catalysis</i> , <b>2019</b> , 378, 113-120	7.3	10
87	First-principles investigation of electrochemical dissolution of Pt nanoparticles and kinetic simulation. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 234711	3.9	6

86	Engineering the Electronic Structure of Submonolayer Pt on Intermetallic PdPb via Charge Transfer Boosts the Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19964-19968	16.4	71
85	First-Principles Kinetic Study for Ostwald Ripening of Late Transition Metals on TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1160-1169	3.8	13
84	Surface and interface design for heterogeneous catalysis. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 523-536	3.6	29
83	Disentangling the size-dependent geometric and electronic effects of palladium nanocatalysts beyond selectivity. <i>Science Advances</i> , <b>2019</b> , 5, eaat6413	14.3	102
82	First-principles kinetics study of carbon monoxide promoted Ostwald ripening of Au particles on FeO/Pt(111). <i>Journal of Energy Chemistry</i> , <b>2019</b> , 30, 108-113	12	8
81	Influence of Particle Size Distribution on Lifetime and Thermal Stability of Ostwald Ripening of Supported Particles. <i>ChemCatChem</i> , <b>2018</b> , 10, 2900-2907	5.2	18
80	First-Principles and Microkinetic Simulation Studies of the Structure Sensitivity of Cu Catalyst for Methanol Steam Reforming. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 10811-10819	3.8	12
79	Theoretical Investigation of Metal-Support Interactions on Ripening Kinetics of Supported Particles. <i>ChemNanoMat</i> , <b>2018</b> , 4, 510-517	3.5	10
78	First-Principles microkinetic study of methanol synthesis on Cu(221) and ZnCu(221) surfaces. <i>Chinese Journal of Chemical Physics</i> , <b>2018</b> , 31, 284-290	0.9	6
77	Understanding Surface Catalyzed Decomposition Reactions Using a Chemical Pathway Analysis. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 28158-28172	3.8	5
76	Structures and stability of adsorbed methanol on TiO <sub>2</sub> (110) surface studied by ab initio thermodynamics and kinetic Monte Carlo simulation. <i>Theoretical Chemistry Accounts</i> , <b>2018</b> , 137, 1	1.9	2
75	Metal-Free Nitrogen- and Boron-Codoped Mesoporous Carbons for Primary Amides Synthesis from Primary Alcohols via Direct Oxidative Dehydrogenation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9936-9944	13.1	33
74	Chemical Insights into the Design and Development of Face-Centered Cubic Ruthenium Catalysts for Fischer-Tropsch Synthesis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2267-2276	16.4	104
73	Reconstruction of the Wet Chemical Synthesis Process: The Case of Fe <sub>5</sub> C <sub>2</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5154-5160	3.8	19
72	Phase-Selective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7769-7773	16.4	108
71	First-principles study of structure sensitivity of chain growth and selectivity in Fischer-Tropsch synthesis using HCP cobalt catalysts. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 2967-2977	5.5	22
70	First-principles study of single transition metal atoms on ZnO for the water gas shift reaction. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4294-4301	5.5	20
69	Carbon induced selective regulation of cobalt-based Fischer-Tropsch catalysts by ethylene treatment. <i>Faraday Discussions</i> , <b>2017</b> , 197, 207-224	3.6	12

68	Water-Mediated Mars-Van Krevelen Mechanism for CO Oxidation on Ceria-Supported Single-Atom Pt <sub>1</sub> Catalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 887-891	13.1	255
67	Differentiating Intrinsic Reactivity of Copper, Copper-Zinc Alloy, and Copper/Zinc Oxide Interface for Methanol Steam Reforming by First-Principles Theory. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 21553-21559	3.8	17
66	The most active Cu facet for low-temperature water gas shift reaction. <i>Nature Communications</i> , <b>2017</b> , 8, 488	17.4	98
65	Influence of nickel(II) oxide surface magnetism on molecule adsorption: A first-principles study. <i>Chinese Journal of Catalysis</i> , <b>2017</b> , 38, 1736-1748	11.3	2
64	CO Dissociation on Face-Centered Cubic and Hexagonal Close-Packed Nickel Catalysts: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24895-24903	3.8	35
63	Theoretical study of crystal phase effect in heterogeneous catalysis. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2016</b> , 6, 571-583	7.9	27
62	Establishing and Understanding Adsorption-Energy Scaling Relations with Negative Slopes. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 5302-5306	6.4	30
61	Direct Imaging Single Methanol Molecule Photocatalysis on Titania. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 17748-17754	3.8	34
60	Robust Phase Control through Hetero-Seeded Epitaxial Growth for Face-Centered Cubic Pt@Ru Nanotetrahedrons with Superior Hydrogen Electro-Oxidation Activity. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 17697-17706	3.8	60
59	High Alcohols Synthesis via Fischer-Tropsch Reaction at Cobalt Metal/Carbide Interface. <i>ACS Catalysis</i> , <b>2015</b> , 5, 3620-3624	13.1	172
58	A First-Principles Study of Carbon-Oxygen Bond Scission in Multiatomic Molecules on Flat and Stepped Metal Surfaces. <i>ChemCatChem</i> , <b>2014</b> , 6, 1755-1762	5.2	11
57	Following Molecules through Reactive Networks: Surface Catalyzed Decomposition of Methanol on Pd(111), Pt(111), and Ni(111). <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12364-12383	3.8	28
56	Stability of polar ZnO surfaces studied by pair potential method and local energy density method. <i>Theoretical Chemistry Accounts</i> , <b>2014</b> , 133, 1	1.9	7
55	Supported Single Pt <sub>1</sub> /Au <sub>1</sub> Atoms for Methanol Steam Reforming. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3886-3890	13.1	158
54	Single Pd Atom Embedded in CeO <sub>2</sub> (111) for NO Reduction with CO: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12216-12223	3.8	88
53	CO- and NO-Induced Disintegration and Redispersion of Three-Way Catalysts Rhodium, Palladium, and Platinum: An ab Initio Thermodynamics Study. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 9588-9597	3.8	43
52	Crystal-plane-controlled selectivity of Cu <sub>2</sub> O catalysts in propylene oxidation with molecular oxygen. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4856-61	16.4	152
51	Structure sensitivity of CO methanation on Co (0001), and surfaces: Density functional theory calculations. <i>Catalysis Today</i> , <b>2013</b> , 215, 36-42	5.3	60

50	Crystallographic dependence of CO activation on cobalt catalysts: HCP versus FCC. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16284-7	16.4	269
49	Adsorbed CO induced change of the adsorption site and charge of Au adatoms on FeO(111)/Ru(0001). <i>Chinese Journal of Catalysis</i> , <b>2013</b> , 34, 1820-1825	11.3	2
48	First-principles study of water activation on Cu-ZnO catalysts. <i>Chinese Journal of Catalysis</i> , <b>2013</b> , 34, 1705-1711	11.3	9
47	Platinum-modulated cobalt nanocatalysts for low-temperature aqueous-phase Fischer-Tropsch synthesis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4149-58	16.4	98
46	Atomistic theory of Ostwald ripening and disintegration of supported metal particles under reaction conditions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1760-71	16.4	284
45	Growth of Single- and Bilayer ZnO on Au(111) and Interaction with Copper. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 11211-11218	3.8	89
44	Mechanistic studies of water electrolysis and hydrogen electro-oxidation on high temperature ceria-based solid oxide electrochemical cells. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11572-9	16.4	75
43	Force reversed method for locating transition states. <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	50
42	Theoretical Study of the Role of a Metal-Cation Ensemble at the Oxide-Metal Boundary on CO Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 7491-7498	3.8	54
41	Structural and electronic properties of cobalt carbide Co <sub>2</sub> C and its surface stability: Density functional theory study. <i>Surface Science</i> , <b>2012</b> , 606, 598-604	1.8	65
40	In- and Out-Dependent Interactions of Iron with Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 16461-16466	3.8	26
39	CO oxidation at the perimeters of an FeO/Pt(111) interface and how water promotes the activity: a first-principles study. <i>ChemSusChem</i> , <b>2012</b> , 5, 871-8	8.3	30
38	Size-selective carbon nanoclusters as precursors to the growth of epitaxial graphene. <i>Nano Letters</i> , <b>2011</b> , 11, 424-30	11.5	128
37	Toward N-Doped Graphene via Solvothermal Synthesis. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1188-1193	9.6	872
36	Carbon chain growth by formyl insertion on rhodium and cobalt catalysts in syngas conversion. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5335-8	16.4	93
35	Carbon monoxide adsorption and dissociation on Mn-decorated Rh(111) and Rh(553) surfaces: A first-principles study. <i>Catalysis Today</i> , <b>2011</b> , 160, 228-233	5.3	26
34	Structure evolution of Pt-based transition metal alloys under reductive and oxidizing conditions and effect on the CO oxidation: a first-principles study. <i>Catalysis Today</i> , <b>2011</b> , 165, 89-95	5.3	30
33	In situ oxidation study of Pt(110) and its interaction with CO. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20319-25	16.4	115

32	Rh-Decorated Cu Alloy Catalyst for Improved C <sub>2</sub> Oxygenate Formation from Syngas. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 18247-18256	3.8	59
31	First-principles study of the adsorption of Au atoms and Au <sub>2</sub> and Au <sub>4</sub> clusters on FeO/Pt(111). <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	19
30	Theory of nitride oxide adsorption on transition metal (111) surfaces: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2459-70	3.6	49
29	Density functional theory and ab initio molecular dynamics study of NO adsorption on Pd(111) and Pt(111) surfaces. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	15
28	Band structure and Fermi surface of atomically uniform lead films. <i>New Journal of Physics</i> , <b>2010</b> , 12, 113034	3.4	1
27	First-Principles Study on the Origin of the Different Selectivities for Methanol Steam Reforming on Cu(111) and Pd(111). <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21539-21547	3.8	120
26	First-principles study of hydrogen absorption on Mg(0001) and formation of magnesium hydride. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	25
25	Interface-confined ferrous centers for catalytic oxidation. <i>Science</i> , <b>2010</b> , 328, 1141-4	33.3	743
24	Density functional theory study of the energetics, electronic structure, and core-level shifts of NO adsorption on the Pt(111) surface. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	43
23	Reversible structural modulation of Fe-Pt bimetallic surfaces and its effect on reactivity. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1013-6	3.2	63
22	A first-principles study on the behavior of HCl inside SWCNT. <i>Computational and Theoretical Chemistry</i> , <b>2009</b> , 905, 44-47		11
21	Cooperative activation in ring-opening hydrolysis of epoxides by Co-salen complexes: A first principle study. <i>Chemical Physics Letters</i> , <b>2009</b> , 470, 259-263	2.5	19
20	First-Principles Investigation of Surface and Subsurface H Adsorption on Ir(111). <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 21361-21367	3.8	28
19	First-Principles Study of Carbon Monoxide Oxidation on Ag(111) in Presence of Subsurface Oxygen and Stepped Ag(221). <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8266-8272	3.8	27
18	The Effect of Water on the CO Oxidation on Ag(111) and Au(111) Surfaces: A First-Principle Study. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 17303-17310	3.8	143
17	Atomic and molecular adsorption on RhMn alloy surface: a first principles study. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 244711	3.9	12
16	Hydrolysis of ball milling AlBi <sub>5</sub> Hydride and AlBi <sub>5</sub> Balt mixture for hydrogen generation. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 460, 125-129	5.7	77
15	Framework Fe Ions in Fe-ZSM-5 Zeolite Studied by UV Resonance Raman Spectroscopy and Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 16036-16041	3.8	51

14	Oxidation of platinum surfaces and reaction with carbon monoxide. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 184022	1.8	12
13	Wavevector-dependent quantum-size effect in electron decay length at Pb thin film surfaces. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 093105	3.4	18
12	Modulating the reactivity of Ni-containing Pt(111)-skin catalysts by density functional theory calculations. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 194707	3.9	43
11	Step enhanced dehydrogenation of ethanol on Rh. <i>Surface Science</i> , <b>2008</b> , 602, 3057-3063	1.8	20
10	Unique reactivity of confined metal atoms on a silicon substrate. <i>ChemPhysChem</i> , <b>2008</b> , 9, 975-9	3.2	23
9	First Principle Study of Ethanol Adsorption and Formation of Hydrogen Bond on Rh(111) Surface. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7403-7410	3.8	44
8	The improved electrochemical properties of novel LaMgNi-based hydrogen storage composites. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 6700-6706	6.7	30
7	Experimental observation of quantum oscillation of surface chemical reactivities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 9204-8	11.5	113
6	Density functional theory study of CH <sub>x</sub> (x=1-3) adsorption on clean and CO precovered Rh(111) surfaces. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 024705	3.9	15
5	Insights into the function of silver as an oxidation catalyst by ab initio atomistic thermodynamics. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	157
4	Why is a noble metal catalytically active? The role of the O-Ag interaction in the function of silver as an oxidation catalyst. <i>Physical Review Letters</i> , <b>2003</b> , 90, 256102	7.4	158
3	Subsurface oxygen and surface oxide formation at Ag(111): A density-functional theory investigation. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	127
2	Oxygen adsorption on Ag(111): A density-functional theory investigation. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	231
1	Synthesis of Iron-Carbide Nanoparticles: Identification of the Active Phase and Mechanism of Fe-Based Fischer-Tropsch Synthesis. <i>CCS Chemistry</i> , 2712-2724	7.2	18