

Talat S Rahman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9043378/publications.pdf>

Version: 2024-02-01

133
papers

3,697
citations

159585
30
h-index

155660
55
g-index

136
all docs

136
docs citations

136
times ranked

4549
citing authors

#	ARTICLE	IF	CITATIONS
1	Methanol carbonylation to acetaldehyde on Au particles supported by single-layer MoS ₂ grown on silica. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 104005.	1.8	1
2	Atomic and molecular functionalisation of technological materials: an introduction to nanoscale processes on semiconductor surfaces. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 210401.	1.8	0
3	Defect engineering of oxide surfaces: dream or reality?. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 291501.	1.8	2
4	Nonadiabatic Exchange-Correlation Potential for Strongly Correlated Materials in the Weak and Strong Interaction Limits. <i>Computation</i> , 2022, 10, 77.	2.0	0
5	Nonmetal-to-Metal Transition of Magnesia Supported Au Clusters Affects the Ultrafast Dissociation Dynamics of Adsorbed CH ₃ Br Molecules. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4747-4753.	4.6	1
6	Ligand-coordination effects on the selective hydrogenation of acetylene in single-site Pd-ligand supported catalysts. <i>Journal of Catalysis</i> , 2022, 413, 81-92.	6.2	8
7	Syngas molecules as probes for defects in 2D hexagonal boron nitride: their adsorption and vibrations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7988-8001.	2.8	9
8	Ultrafast charge dynamics and photoluminescence in bilayer MoS ₂ . <i>2D Materials</i> , 2021, 8, 025018.	4.4	7
9	Electron thermalization and relaxation in laser-heated nickel by few-femtosecond core-level transient absorption spectroscopy. <i>Physical Review B</i> , 2021, 103, .	3.2	21
10	Mechanically Enhanced Catalytic Reduction of Carbon Dioxide over Defect Hexagonal Boron Nitride. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2447-2455.	6.7	25
11	Fermi surfaces of the topological semimetal CaSn ₃ probed through de Haas van Alphen oscillations. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 17LT01.	1.8	4
12	Toward alcohol synthesis from CO hydrogenation on Cu(111)-supported MoS ₂ – predictions from DFT+KMC. <i>Journal of Chemical Physics</i> , 2021, 154, 174701.	3.0	3
13	Modeling carrier mobility in graphene as a sensitive probe of molecular magnets. <i>Physical Review B</i> , 2021, 103, .	3.2	1
14	On stabilizing spin crossover molecule [Fe(tBu ₂ qsal) ₂] on suitable supports: insights from ab initio studies. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 385201.	1.8	1
15	Anisotropic Properties of Quasi-1D In ₄ Se ₃ : Mechanical Exfoliation, Electronic Transport, and Polarization-Dependent Photoresponse. <i>Advanced Functional Materials</i> , 2021, 31, 2106459.	14.9	11
16	Asymmetric Design of Spin-Crossover Complexes to Increase the Volatility for Surface Deposition. <i>Journal of the American Chemical Society</i> , 2021, 143, 14563-14572.	13.7	16
17	Growth of Graphene Nanoflakes/hBN Heterostructures. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100766.	3.7	5
18	Tailoring the redox capabilities of organic ligands for metal-ligand coordination with vanadium single-sites. <i>Surface Science</i> , 2021, 712, 121888.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Excited states in hydrogenated single-layer MoS ₂ . <i>Journal of Physics Condensed Matter</i> , 2021, 33, 075201.	1.8	0
20	Anisotropy-exchange resonance as a mechanism for entangled state switching. <i>Physical Review A</i> , 2021, 104, .	2.5	6
21	Atomic-Scale Structure and Catalysis on Positively Charged Bimetallic Sites for Generation of H ₂ . <i>Nano Letters</i> , 2020, 20, 6255-6262.	9.1	10
22	Characteristics of Single-Molecule Magnet Dimers ([Mn ₃] ₂) on Graphene and h-BN. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28186-28200.	3.1	11
23	MoS ₂ -supported Au ₃₁ for CO hydrogenation: A first-principle study. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, 032201.	2.1	0
24	Plasmon excitations in chemically heterogeneous nanoarrays. <i>Physical Review B</i> , 2020, 101, .	3.2	11
25	Catalytic C ₂ H ₂ synthesis via low temperature CO hydrogenation on defect-rich 2D-MoS ₂ and 2D-MoS ₂ decorated with Mo clusters. <i>Journal of Chemical Physics</i> , 2020, 152, 074706.	3.0	3
26	Ultrafast Electron Correlations and Memory Effects at Work: Femtosecond Demagnetization in Ni. <i>Physical Review Letters</i> , 2020, 125, 017202.	7.8	35
27	Metallicity of 2H-MoS ₂ induced by Au hybridization. <i>2D Materials</i> , 2020, 7, 025021.	4.4	17
28	CO Oxidation Mechanisms on CoO _x -Pt Thin Films. <i>Journal of the American Chemical Society</i> , 2020, 142, 8312-8322.	13.7	39
29	Dominant contributions to the apparent activation energy in two-dimensional submonolayer growth: comparison between Cu/Ni(111) and Ni/Cu(111). <i>Journal of Physics Condensed Matter</i> , 2020, 32, 445002.	1.8	1
30	Surface Thermodynamics and Vibrational Entropy. <i>Springer Handbooks</i> , 2020, , 71-93.	0.6	2
31	Self-Catalyzed, Low-Temperature Atomic Layer Deposition of Ruthenium Metal Using Zero-Valent Ru(DMBD)(CO) ₃ and Water. <i>Chemistry of Materials</i> , 2019, 31, 1304-1317.	6.7	20
32	Effects of Al_2O_3 Support on the Morphology and Electronic Structure of Pt Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16893-16901.	3.1	7
33	Analysis of the fluorescence of mechanically processed defect-laden hexagonal boron nitride and the role of oxygen in catalyst deactivation. <i>Advances in Applied Ceramics</i> , 2019, 118, 153-158.	1.1	5
34	MoS ₂ Nanoclusters Grown on TiO ₂ : Evidence for New Adsorption Sites at Edges and Sulfur Vacancies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7185-7201.	3.1	18
35	Plasmon Excitations in Mixed Metallic Nanoarrays. <i>ACS Nano</i> , 2019, 13, 5344-5355.	14.6	21
36	Multi-electron Reduction Capacity and Multiple Binding Pockets in Metal-Organic Redox Assembly at Surfaces. <i>Chemistry - A European Journal</i> , 2019, 25, 5565-5573.	3.3	7

#	ARTICLE	IF	CITATIONS
37	A Single Layer of MoS ₂ Activates Gold for Room Temperature CO Oxidation on an Inert Silica Substrate. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6592-6598.	3.1	11
38	Toward multiscale modeling of thin-film growth processes using SLKMC. <i>Journal of Materials Research</i> , 2018, 33, 709-719.	2.6	5
39	Methoxy Formation Induced Defects on MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 10042-10049.	3.1	11
40	Redox-active ligand controlled selectivity of vanadium oxidation on Au(100). <i>Chemical Science</i> , 2018, 9, 1674-1685.	7.4	24
41	Gold Dispersion and Activation on the Basal Plane of Single-Layer MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 267-273.	3.1	16
42	Deciphering complex features in STM images of O adatoms on Ag(110). <i>Physical Review B</i> , 2018, 98, .	3.2	6
43	Redox Isomeric Surface Structures Are Preferred over Odd-electron Pt 1+. <i>Chemistry - A European Journal</i> , 2018, 24, 15852-15858.	3.3	7
44	Effect of Single-Layer MoS ₂ on the Geometry, Electronic Structure, and Reactivity of Transition Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7282-7293.	3.1	20
45	Molybdenum disulfide for ultra-low detection of free radicals: electrochemical response and molecular modeling. <i>2D Materials</i> , 2017, 4, 025077.	4.4	21
46	Adsorbate doping of MoS ₂ and WSe ₂ : the influence of Na and Co. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 285501.	1.8	12
47	Diffusion of small Cu islands on the Ni(111) surface: A self-learning kinetic Monte Carlo study. <i>Surface Science</i> , 2017, 662, 42-58.	1.9	13
48	MoS ₂ -supported gold nanoparticle for CO hydrogenation. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 415201. <i>Atom Extraction from Pristine Metal Terraces by Dissociative Oxygen Adsorption: Combined STM and Density Functional Theory Investigation of</i> $\text{O}_{\text{mml:mi}} \text{O}_{\text{mml:mo}} \text{O}_{\text{mml:mo}} \text{O}_{\text{mml:mi}} \text{Ag}_{\text{mml:mi}} \text{O}_{\text{mml:mo}}$ <i>stretchy="false">(</mml:mo> <mml:mn>110</mml:mn> <mml:mo></i> Ti FTO _{1.1} 0.784314 rsBT /Overlock 10 Tf 50 242 Td (stretchy="false")	1.8	12
49	Nonadiabatic exchange-correlation kernel for strongly correlated materials. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 455601.	7.8	11
50	Time-Dependent Density-Functional Theory and Excitons in Bulk and Two-Dimensional Semiconductors. <i>Computation</i> , 2017, 5, 39.	2.0	19
51	Pt-dipyridyl tetrazine metal-organic network on the Au(100) surface: insights from first principles calculations. <i>Faraday Discussions</i> , 2017, 204, 83-95.	3.2	4
52	Towards TDDFT for Strongly Correlated Materials. <i>Computation</i> , 2016, 4, 34.	2.0	3
53	Heterogeneous Metal-Free Hydrogenation over Defect-Laden Hexagonal Boron Nitride. <i>ACS Omega</i> , 2016, 1, 1343-1354.	3.5	43

#	ARTICLE	IF	CITATIONS
55	pH-Induced Surface Modification of Atomically Precise Silver Nanoclusters: An Approach for Tunable Optical and Electronic Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11522-11528.	4.0	10
56	Adsorption, diffusion, and vibration of oxygen on Ag_{2110} . <i>Physical Review B</i> , 2015, 92, .		
57	Effect of structure on the magnetic anisotropy of L_{B24m} nanoparticles. <i>Physical Review B</i> , 2015, 92, .		
58	Geometric and electronic structure and magnetic properties of $\text{Fe}_{\text{2}}\text{Au}$ nanoalloys: insights from ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28177-28185.	2.8	12
59	Friedel oscillations responsible for stacking fault of adatoms: The case of Mg_{0001} and Be_{0001} . <i>Physical Review B</i> , 2015, 91, .		
60	Revisiting the surface properties of $\text{Mg}(0001)$ thin films and their effect on the adatom binding energy and self-diffusion. <i>Surface Science</i> , 2015, 632, 14-19.	1.9	3
61	Nonadiabatic time-dependent spin-density functional theory for strongly correlated systems. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 022201.	1.8	12
62	Time-dependent density-matrix functional theory for trion excitations: Application to monolayer MoS_2 and other transition-metal dichalcogenides. <i>Physical Review B</i> , 2014, 90, .	3.2	26
63	Occupied and unoccupied electronic structure of Na doped $\text{MoS}_2(0001)$. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	30
64	Single-Layer MoS_2 with Sulfur Vacancies: Structure and Catalytic Application. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5346-5351.	3.1	260
65	Combined Density Functional Theory and Kinetic Monte Carlo Study of Selective Oxidation of NH_3 on Rutile $\text{RuO}_2(110)$ at Ambient Pressures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5226-5238.	3.1	16
66	Anomalously Soft and Stiff Modes of Transition-Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10335-10347.	3.1	13
67	Joined edges in MoS_2 : metallic and half-metallic wires. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 312201.	1.8	21
68	Growth of aligned Mo_6S_6 nanowires on $\text{Cu}(111)$. <i>Surface Science</i> , 2013, 611, 1-4.	1.9	20
69	Deactivation of $\text{Cu}_2\text{O}(100)$ by CO Poisoning. <i>Topics in Catalysis</i> , 2013, 56, 1082-1087.	2.8	4
70	Kinetically driven shape changes in early stages of two-dimensional island coarsening: $\text{Ag}/\text{Ag}(111)$. <i>Physical Review B</i> , 2013, 88, .	3.2	5
71	Self-diffusion of small Ni clusters on the $\text{Ni}(111)$ surface: A self-learning kinetic Monte Carlo study. <i>Physical Review B</i> , 2013, 88, .	3.2	14
72	Methanol Reaction on $\text{Pt}_{\text{2}}\text{Au}$ Clusters on $\text{TiO}_2(110)$: Methoxy-Induced Diffusion of Pt. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26998-27006.	3.1	21

#	ARTICLE	IF	CITATIONS
73	Rationale for the Higher Reactivity of Interfacial Sites in Methanol Decomposition on Au ₁₃ /TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 2013, 135, 7629-7635.	13.7	56
74	Controlled argon beam-induced desulfurization of monolayer molybdenum disulfide. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 252201.	1.8	75
75	Vibrations of Au ₁₃ and FeAu ₁₂ nanoparticles and the limits of the Debye temperature concept. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 104026.	1.8	16
76	Optical Generation of Collective Plasmon Modes in Small Gold Chains Induced by Doping Transition-Metal Impurities. <i>Physical Review Letters</i> , 2012, 109, 157404.	7.8	26
77	Extended pattern recognition scheme for self-learning kinetic Monte Carlo simulations. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 354004.	1.8	5
78	Tailoring Electronic Structure Through Alloying: The Ag _n Cu _{34-n} (n= 0-34) Nanoparticle Family. <i>Journal of Physical Chemistry C</i> , 2012, 116, 281-291.	3.1	31
79	The Quantum Magnetism of Individual Manganese-12-Acetate Molecular Magnets Anchored at Surfaces. <i>Nano Letters</i> , 2012, 12, 518-521.	9.1	146
80	An MoS _x Structure with High Affinity for Adsorbate Interaction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10284-10288.	13.8	13
81	Single layer MoS ₂ Structure on the Cu(111) surface: First-principles electronic structure calculations. <i>Physical Review B</i> , 2012, 85, .	3.2	26
82	Dissociative Hydrogen Adsorption on Close-Packed Cobalt Nanoparticle Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25868-25873.	3.1	35
83	Off-lattice pattern recognition scheme for kinetic Monte Carlo simulations. <i>Journal of Computational Physics</i> , 2012, 231, 3548-3560.	3.8	17
84	CO-Induced Diffusion of Ni Atoms to the Surface of Ni ₁₂ Au Clusters on TiO ₂ (110). <i>Journal of Physical Chemistry C</i> , 2011, 115, 11112-11123.	3.1	60
85	Toward an Understanding of Ligand Selectivity in Nanocluster Synthesis. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14478-14487.	3.1	28
86	The crossover from collective motion to periphery diffusion for two-dimensional adatom-islands on Cu(111). <i>Journal of Physics Condensed Matter</i> , 2011, 23, 462201.	1.8	12
87	Vibrations at surfaces. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 480301.	1.8	0
88	Island-size selectivity during 2D Ag island coarsening on Ag(111). <i>Journal of Physics Condensed Matter</i> , 2011, 23, 262001.	1.8	4
89	Toward the Growth of an Aligned Single-Layer MoS ₂ Film. <i>Langmuir</i> , 2011, 27, 11650-11653.	3.5	84
90	Effect of misfit dislocation on surface diffusion. <i>Physical Review B</i> , 2011, 84, .	3.2	8

#	ARTICLE	IF	CITATIONS
91	Diffusion of the Cu monomer and dimer on Ag(111): Molecular dynamics simulations and density functional theory calculations. <i>Physical Review B</i> , 2010, 82, .	3.2	28
92	Surface vibrational thermodynamics from ab initio calculations for fcc(100). <i>Surface Science</i> , 2010, 604, 308-317.	1.9	5
93	Selective oxidation of ammonia on RuO ₂ (110): A combined DFT and KMC study. <i>Journal of Catalysis</i> , 2010, 276, 371-381.	6.2	52
94	Effective elastic properties of a van der Waals molecular monolayer at a metal surface. <i>Physical Review B</i> , 2010, 82, .	3.2	18
95	Vibrational dynamics of a \times mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \times mml:mrow> <mml:mi>c</mml:mi> \times mml:mrow> <mml:mo>(</mml:mo> \times mml:mrow> <mml:mn>2</mml:mn> \times mml:mrow> <mml:mo>)</mml:mo> induced by nitrogen adsorption on Cu(001). <i>Physical Review B</i> , 2010, 81, .		
96	Time-dependent density-matrix functional theory for biexcitonic phenomena. <i>Physical Review B</i> , 2010, 82, .	3.2	4
97	Comparative study of CO adsorption on flat, stepped, and kinked Au surfaces using density functional theory. <i>Physical Review B</i> , 2009, 79, .	3.2	50
98	Off-lattice self-learning kinetic Monte Carlo: application to 2D cluster diffusion on the fcc(111) surface. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 084213.	1.8	37
99	Parallel kinetic Monte Carlo simulations of Ag(111) island coarsening using a large database. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 084214.	1.8	21
100	Reactivity of the Cu ₂ O(1 0 0) surface: Insights from first principles calculations. <i>Surface Science</i> , 2009, 603, 1637-1645.	1.9	70
101	Effect of Ligands on the Geometric and Electronic Structure of Au ₁₃ Clusters. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12072-12078.	3.1	99
102	Structural, vibrational and thermodynamic properties of Ag _n Cu _{34-n} nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 084220.	1.8	13
103	Origin of quasi-constant pre-exponential factors for adatom diffusion on Cu and Ag surfaces. <i>Physical Review B</i> , 2007, 76, .	3.2	24
104	Diffusion of small two-dimensional Cu islands on Cu(111) studied with a kinetic Monte Carlo method. <i>Physical Review B</i> , 2006, 73, .	3.2	58
105	Complete CO Oxidation over Cu ₂ O Nanoparticles Supported on Silica Gel. <i>Nano Letters</i> , 2006, 6, 2095-2098.	9.1	265
106	Calculated pre-exponential factors and energetics for adatom hopping on terraces and steps of Cu(100) and Cu(110). <i>Surface Science</i> , 2006, 600, 484-492.	1.9	43
107	Effect of step-step separation on surface diffusion processes. <i>Physical Review B</i> , 2006, 73, .	3.2	18
108	Energetics of CO on stepped and kinked Cu surfaces: A comparative theoretical study. <i>Physical Review B</i> , 2006, 74, .	3.2	29

#	ARTICLE	IF	CITATIONS
109	Vibrational dynamics and thermodynamics of surfaces and nanostructures. <i>Surface Science Reports</i> , 2005, 56, 159-187.	7.2	54
110	Self-learning kinetic Monte Carlo method: Application to Cu(111). <i>Physical Review B</i> , 2005, 72, .	3.2	114
111	Site selectivity in chemisorption of C on Pd(211). <i>Physical Review B</i> , 2004, 70, .	3.2	16
112	Cluster Diffusion and Coalescence on Metal Surfaces: applications of a Self-learning Kinetic Monte-Carlo method. <i>Materials Research Society Symposia Proceedings</i> , 2004, 859, 1.	0.1	1
113	Vibrational Dynamics and Excess Entropy of Multi-grain Nanoparticles. <i>Journal of Computational and Theoretical Nanoscience</i> , 2004, 1, 216-220.	0.4	9
114	Local and excess vibrational free energies of stepped metal surfaces. <i>Physical Review B</i> , 2003, 67, .	3.2	24
115	Structure of Ag(410) and Cu(320). <i>Physical Review B</i> , 2003, 67, .	3.2	22
116	Structural relaxations, vibrational dynamics and thermodynamics of vicinal surfaces. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S3197-S3226.	1.8	27
117	Comparative study of anharmonicity: Ni(111), Cu(111), and Ag(111). <i>Physical Review B</i> , 2002, 66, .	3.2	20
118	Electronic structure of thec(2Å—2)O/Cu(001)system. <i>Physical Review B</i> , 2002, 66, .	3.2	20
119	Ab initio calculations of multilayer relaxations of stepped Cu surfaces. <i>Physical Review B</i> , 2002, 65, .	3.2	36
120	Relationship between electronic and geometric structures of the O/Cu(001) system. <i>Journal of Chemical Physics</i> , 2002, 117, 8523-8530.	3.0	15
121	Anharmonic effects on Ag(111): a molecular dynamics study. <i>Surface Science</i> , 2000, 446, 17-30.	1.9	32
122	Multilayer relaxations and stresses on Mg surfaces. <i>Physical Review B</i> , 1999, 60, 15613-15616.	3.2	26
123	Vibrational Properties of Metallic Nanocrystals. <i>Physical Review Letters</i> , 1998, 81, 1453-1456.	7.8	169
124	Vibrational dynamics and thermodynamics of Ni(977). <i>Journal of Chemical Physics</i> , 1997, 106, 2031-2037.	3.0	36
125	Local structural and vibrational properties of stepped surfaces: Cu(211), Cu(511), and Cu(331). <i>Physical Review B</i> , 1997, 55, 13894-13903.	3.2	60
126	Diffusion Processes and Pre-Exponential Factors in Homo-Epitaxial Growth on Ag(100). <i>Materials Research Society Symposia Proceedings</i> , 1997, 492, 263.	0.1	0

#	ARTICLE	IF	CITATIONS
127	Vibrational free energy contribution to self-diffusion on Ni(100), Cu(100) and Ag(100). <i>Surface Science</i> , 1997, 383, 137-148.	1.9	31
128	Role of Lattice Vibrations in Adatom Diffusion. <i>Physical Review Letters</i> , 1997, 78, 1086-1089.	7.8	94
129	Local thermodynamic properties of a stepped metal surface: Cu(711). <i>Physical Review B</i> , 1996, 53, 15489-15492.	3.2	35
130	Surface vibrations of Ag(100) and Cu(100): A molecular-dynamics study. <i>Physical Review B</i> , 1991, 44, 13725-13733.	3.2	72
131	Enhanced anharmonicity on Cu(110). <i>Physical Review Letters</i> , 1991, 67, 2327-2330.	7.8	105
132	On the dynamics of the associative desorption of H ₂ . <i>Journal of Chemical Physics</i> , 1988, 89, 4427-4439.	3.0	99
133	Electron energy loss spectroscopy of adsorbed atoms. <i>Journal of Vacuum Science and Technology</i> , 1982, 20, 567-573.	1.9	9