

# Qiang Fu

## List of Publications by Citations

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256  
papers

13,877  
citations

55  
h-index

112  
g-index

271  
ext. papers

16,526  
ext. citations

9.2  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
256	Catalysis with two-dimensional materials and their heterostructures. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 218-30	28.7	1433
255	Repeated growth and bubbling transfer of graphene with millimetre-size single-crystal grains using platinum. <i>Nature Communications</i> , <b>2012</b> , 3, 699	17.4	884
254	Toward N-Doped Graphene via Solvothermal Synthesis. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1188-1193	9.6	872
253	Interface-confined ferrous centers for catalytic oxidation. <i>Science</i> , <b>2010</b> , 328, 1141-4	33.3	743
252	Selective conversion of syngas to light olefins. <i>Science</i> , <b>2016</b> , 351, 1065-8	33.3	740
251	Interaction of nanostructured metal overlayers with oxide surfaces. <i>Surface Science Reports</i> , <b>2007</b> , 62, 431-498	12.9	597
250	Surface chemistry and catalysis confined under two-dimensional materials. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 1842-1874	58.5	309
249	Synergetic effect of surface and subsurface Ni species at Pt-Ni bimetallic catalysts for CO oxidation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1978-86	16.4	233
248	Wafer-scale single-crystal hexagonal boron nitride monolayers on Cu(111). <i>Nature</i> , <b>2020</b> , 579, 219-223	50.4	209
247	Understanding nano effects in catalysis. <i>National Science Review</i> , <b>2015</b> , 2, 183-201	10.8	195
246	Interface-confined oxide nanostructures for catalytic oxidation reactions. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1692-701	24.3	192
245	Electrochemically Scalable Production of Fluorine-Modified Graphene for Flexible and High-Energy Ionogel-Based Microsupercapacitors. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8198-8205	16.4	188
244	Visualizing chemical reactions confined under graphene. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4856-9	16.4	183
243	Growth Mechanism of Graphene on Ru(0001) and O <sub>2</sub> Adsorption on the Graphene/Ru(0001) Surface. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8296-8301	3.8	159
242	Confined Pyrolysis within Metal-Organic Frameworks To Form Uniform Ru Clusters for Efficient Oxidation of Alcohols. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9795-9798	16.4	157
241	Graphene cover-promoted metal-catalyzed reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17023-8	11.5	152
240	Metal-oxide interfacial reactions: encapsulation of Pd on TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 944-51	3.4	145

239	Revealing the Highly Catalytic Performance of Spinel CoMn <sub>2</sub> O <sub>4</sub> for Toluene Oxidation: Involvement and Replenishment of Oxygen Species Using In Situ Designed-TP Techniques. <i>ACS Catalysis</i> , <b>2019</b> , 9, 6698-6710	13.1	135
238	Confined catalysis under two-dimensional materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 5930-5934	11.5	134
237	The improved reactivity of manganese catalysts by Ag in catalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 132-133, 353-362	21.8	133
236	Carbide-Supported Au Catalysts for Water-Gas Shift Reactions: A New Territory for the Strong Metal-Support Interaction Effect. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13808-13816	16.4	123
235	Hexagonal boron nitride cover on Pt(111): a new route to tune molecule-metal interaction and metal-catalyzed reactions. <i>Nano Letters</i> , <b>2015</b> , 15, 3616-23	11.5	114
234	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. <i>ACS Nano</i> , <b>2017</b> , 11, 12337-12345	16.7	112
233	Comparative studies of silver based catalysts supported on different supports for the oxidation of formaldehyde. <i>Catalysis Today</i> , <b>2011</b> , 175, 338-345	5.3	93
232	Modulation-doped growth of mosaic graphene with single-crystalline p-n junctions for efficient photocurrent generation. <i>Nature Communications</i> , <b>2012</b> , 3, 1280	17.4	87
231	Freestanding graphene by thermal splitting of silicon carbide granules. <i>Advanced Materials</i> , <b>2010</b> , 22, 2168-71	24	86
230	Carbon doping of hexagonal boron nitride porous materials toward CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1832-1839	13	85
229	Highly dispersed Fe <sub>2</sub> O <sub>3</sub> on carbon nanotubes for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <i>Chemical Communications</i> , <b>2015</b> , 51, 956-8	5.8	84
228	High Packing Density Unidirectional Arrays of Vertically Aligned Graphene with Enhanced Areal Capacitance for High-Power Micro-Supercapacitors. <i>ACS Nano</i> , <b>2017</b> , 11, 4009-4016	16.7	83
227	A nickel nanocatalyst within a h-BN shell for enhanced hydrogen oxidation reactions. <i>Chemical Science</i> , <b>2017</b> , 8, 5728-5734	9.4	80
226	Direct writing of electronic devices on graphene oxide by catalytic scanning probe lithography. <i>Nature Communications</i> , <b>2012</b> , 3, 1194	17.4	76
225	Low-temperature catalytic oxidation of toluene over nanocrystal-like Mn <sub>2</sub> O <sub>3</sub> oxides prepared by two-step hydrothermal method. <i>Catalysis Communications</i> , <b>2014</b> , 52, 31-35	3.2	75
224	Reversible surface structural changes in Pt-based bimetallic nanoparticles during oxidation and reduction cycles. <i>Applied Surface Science</i> , <b>2009</b> , 255, 7296-7301	6.7	75
223	Enhanced Nickel-Catalyzed Methanation Confined under Hexagonal Boron Nitride Shells. <i>ACS Catalysis</i> , <b>2016</b> , 6, 6814-6822	13.1	74
222	Design and control of electron transport properties of single molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 15259-63	11.5	74

221	Enhanced reactivity of graphene wrinkles and their function as nanosized gas inlets for reactions under graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 19042-8	3.6	72
220	Formation of identical-size graphene nanoclusters on Ru(0001). <i>Chemical Communications</i> , <b>2011</b> , 47, 1470-2	5.8	71
219	Photo-assisted methanol synthesis via CO <sub>2</sub> reduction under ambient pressure over plasmonic Cu/ZnO catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 250, 10-16	21.8	71
218	CO <sub>2</sub> hydrogenation to methanol over Cu/CeO <sub>2</sub> and Cu/ZrO <sub>2</sub> catalysts: Tuning methanol selectivity via metal-support interaction. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 40, 22-30	12	69
217	Thin-film composite membrane breaking the trade-off between conductivity and selectivity for a flow battery. <i>Nature Communications</i> , <b>2020</b> , 11, 13	17.4	67
216	Stacking sequence and interlayer coupling in few-layer graphene revealed by in situ imaging. <i>Nature Communications</i> , <b>2016</b> , 7, 13256	17.4	66
215	Preparation of alumina films from a new sol-gel route. <i>Thin Solid Films</i> , <b>1999</b> , 348, 99-102	2.2	66
214	Pb intercalation underneath a graphene layer on Ru(0001) and its effect on graphene oxidation. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 16655-60	3.6	64
213	Active Sites of Pd-Doped Flat and Stepped Cu(111) Surfaces for H <sub>2</sub> Dissociation in Heterogeneous Catalytic Hydrogenation. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1245-1252	13.1	63
212	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
211	Recent advances in the preparation, characterization, and applications of two-dimensional heterostructures for energy storage and conversion. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21747-21784	13.4	62
210	An exchange intercalation mechanism for the formation of a two-dimensional Si structure underneath graphene. <i>Nano Research</i> , <b>2012</b> , 5, 352-360	10	62
209	Catalytic Activity of Single Transition-Metal Atom Doped in Cu(111) Surface for Heterogeneous Hydrogenation. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 14618-14624	3.8	62
208	Attempt to deposit carbon nitride films by electrodeposition from an organic liquid. <i>Physical Review B</i> , <b>1999</b> , 59, 1693-1696	3.3	61
207	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 12869-12878	16.7	60
206	Rational approach to guest confinement inside MOF cavities for low-temperature catalysis. <i>Nature Communications</i> , <b>2019</b> , 10, 1340	17.4	59
205	Monolayer MoS <sub>2</sub> Growth on Au Foils and On-Site Domain Boundary Imaging. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 842-849	15.6	59
204	Growth and Characterization of Two-Dimensional FeO Nanoislands Supported on Pt(111) <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 17069-17079	3.8	59

203	Superresolution fluorescence mapping of single-nanoparticle catalysts reveals spatiotemporal variations in surface reactivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8959-64	11.5	58
202	Activation and Spillover of Hydrogen on Sub-1 nm Palladium Nanoclusters Confined within Sodalite Zeolite for the Semi-Hydrogenation of Alkynes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7668-7672	16.4	55
201	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
200	Highly active PtBe bicomponent catalysts for CO oxidation in the presence and absence of H <sub>2</sub> . <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6313-6320	35.4	54
199	Reaction-Induced Strong Metal-Support Interactions between Metals and Inert Boron Nitride Nanosheets. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17167-17174	16.4	53
198	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metal-Support Interactions. <i>ACS Catalysis</i> , <b>2019</b> , 9, 5223-5230	13.1	52
197	A Highly Active NiO-on-Au Surface Architecture for CO Oxidation. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1810-1818	13.1	51
196	Surface Chemistry of CO on Ru(0001) under the Confinement of Graphene Cover. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12391-12398	3.8	50
195	Oscillation of Surface Structure and Reactivity of PtNi Bimetallic Catalysts with Redox Treatments at Variable Temperatures. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20590-20595	3.8	50
194	On the electronic structures and electron affinities of the m-benzoquinone (BQ) diradical and the o-, p-BQ molecules: a synergetic photoelectron spectroscopic and theoretical study. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 3201-7	2.8	49
193	Dynamic observation of layer-by-layer growth and removal of graphene on Ru(0001). <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 5053-7	3.6	49
192	Synergistic Effects for Enhanced Catalysis in a Dual Single-Atom Catalyst. <i>ACS Catalysis</i> , <b>2021</b> , 11, 1952-1961	19.6	48
191	Catalytic activity of Pd-doped Cu nanoparticles for hydrogenation as a single-atom-alloy catalyst. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 8367-75	3.6	45
190	Architecture of Pt-Co Bimetallic Catalysts for Catalytic CO Oxidation. <i>ChemCatChem</i> , <b>2012</b> , 4, 1645-1652	5.2	45
189	Catalysis under shell: Improved CO oxidation reaction confined in Pt@h-BN core-shell nanoreactors. <i>Nano Research</i> , <b>2017</b> , 10, 1403-1412	10	44
188	Direct synthesis and in situ characterization of monolayer parallelogrammic rhenium diselenide on gold foil. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	44
187	The effects of alkali metal on structure of manganese oxide supported on SBA-15 for application in the toluene catalytic oxidation. <i>Chemical Engineering Journal</i> , <b>2012</b> , 209, 163-169	14.7	44
186	Size-dependent surface reactions of Ag nanoparticles supported on highly oriented pyrolytic graphite. <i>Langmuir</i> , <b>2008</b> , 24, 10874-8	4	44

185	Metal/oxide interfacial reactions: Oxidation of metals on SrTiO <sub>3</sub> (100) and TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 11697-705	3.4	44
184	Ambient Chemical Fixation of CO Using a Robust Ag Cluster-Based Two-Dimensional Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20031-20036	16.4	44
183	Scalable and Economic Synthesis of High-Performance Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> by a Solvothermal Ball-Milling Method. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1565-1571	20.1	43
182	Hydroxylated $\gamma$ -Al <sub>2</sub> O <sub>3</sub> (0001) surfaces and metal/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> (0001) interfaces. <i>Surface Science</i> , <b>2006</b> , 600, 4870-4877	1.8	43
181	Dynamic Characterization of Graphene Growth and Etching by Oxygen on Ru(0001) by Photoemission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 20365-20370	3.8	42
180	Ferrous centers confined on core-shell nanostructures for low-temperature CO oxidation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12350-3	16.4	41
179	Reversible structural transformation of FeO(x) nanostructures on Pt under cycling redox conditions and its effect on oxidation catalysis. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 14708-14	3.6	40
178	A comparative study of intercalation mechanism at graphene/Ru(0001) interface. <i>Surface Science</i> , <b>2013</b> , 617, 81-86	1.8	40
177	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. <i>Nature Communications</i> , <b>2021</b> , 12, 3181	17.4	40
176	Enhanced hydrogen evolution reaction over molybdenum carbide nanoparticles confined inside single-walled carbon nanotubes. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 28, 123-127	12	39
175	Simultaneous N-intercalation and N-doping of epitaxial graphene on 6H-SiC(0001) through thermal reactions with ammonia. <i>Nano Research</i> , <b>2013</b> , 6, 399-408	10	38
174	Selective filling of carbon nanotubes with metals by selective washing. <i>New Carbon Materials</i> , <b>2008</b> , 23, 17-20	4.4	38
173	Boosting Selective Nitrogen Reduction via Geometric Coordination Engineering on Single-Tungsten-Atom Catalysts. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100429	24	36
172	Facile oxygen intercalation between full layer graphene and Ru(0001) under ambient conditions. <i>Surface Science</i> , <b>2015</b> , 634, 37-43	1.8	35
171	Modulation of Surface Chemistry of CO on Ni(111) by Surface Graphene and Carbide Carbon. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 13590-13597	3.8	34
170	Fabrication of metal nanoclusters on graphene grown on Ru(0001). <i>Science Bulletin</i> , <b>2009</b> , 54, 2446-2450		34
169	Active Phase of FeO <sub>x</sub> /Pt Catalysts in Low-Temperature CO Oxidation and Preferential Oxidation of CO Reaction. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 10398-10405	3.8	33
168	Bonding VSe <sub>2</sub> ultrafine nanocrystals on graphene toward advanced lithium-sulfur batteries. <i>Nano Research</i> , <b>2020</b> , 13, 2673-2682	10	33

167	Tailoring the Growth of Graphene on Ru(0001) via Engineering of the Substrate Surface. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 2988-2993	3.8	33
166	Advanced porous membranes with slit-like selective layer for flow battery. <i>Nano Energy</i> , <b>2018</b> , 54, 73-81	17.1	33
165	Stability of BN/metal interfaces in gaseous atmosphere. <i>Nano Research</i> , <b>2015</b> , 8, 227-237	10	32
164	Creating a Nanospace under an h-BN Cover for Adlayer Growth on Nickel(111). <i>ACS Nano</i> , <b>2015</b> , 9, 11589-11597	10.7	32
163	Nature of Interface Confinement Effect in Oxide/Metal Catalysts. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 27556-27561	3.8	32
162	Growth mechanism deconvolution of self-limiting supraparticles based on microfluidic system. <i>ACS Nano</i> , <b>2015</b> , 9, 172-9	16.7	32
161	Preparation and characterization of atomically flat and ordered silica films on a Pd(100) surface. <i>Thin Solid Films</i> , <b>2008</b> , 516, 3741-3746	2.2	32
160	Substrate-Free and Shapeless Planar Micro-Supercapacitors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908758	15.6	32
159	Interlayer Decoupling in 30° Twisted Bilayer Graphene Quasicrystal. <i>ACS Nano</i> , <b>2020</b> , 14, 1656-1664	16.7	31
158	Electrodeposition of carbon films from various organic liquids. <i>Surface and Coatings Technology</i> , <b>2000</b> , 124, 196-200	4.4	31
157	Highly selective charged porous membranes with improved ion conductivity. <i>Nano Energy</i> , <b>2018</b> , 48, 353-360	13.6	30
156	Simultaneous formation of diamond-like carbon and carbon nitride films in the electrodeposition of an organic liquid. <i>Chemical Physics Letters</i> , <b>1999</b> , 301, 87-90	2.5	30
155	Unique Transformation from Graphene to Carbide on Re(0001) Induced by Strong Carbon-Metal Interaction. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17574-17581	16.4	29
154	Hydrogen Intercalation of Graphene and Boron Nitride Monolayers Grown on Pt(111). <i>Topics in Catalysis</i> , <b>2016</b> , 59, 543-549	2.3	28
153	An investigation of Zr/Ce ratio influencing the catalytic performance of CuO/Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> catalyst for CO <sub>2</sub> hydrogenation to CH <sub>3</sub> OH. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 18-28	12	28
152	Single-molecule chemical reaction reveals molecular reaction kinetics and dynamics. <i>Nature Communications</i> , <b>2014</b> , 5, 4238	17.4	27
151	Probing into the multifunctional role of copper species and reaction pathway on copper-cerium-zirconium catalysts for CO <sub>2</sub> hydrogenation to methanol using high pressure in situ DRIFTS. <i>Journal of Catalysis</i> , <b>2020</b> , 382, 129-140	7.3	27
150	Polyoxometalate-Based Metal-Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22522-22528	16.4	27

149	Investigation of CO and formaldehyde oxidation over mesoporous Ag/Co <sub>3</sub> O <sub>4</sub> catalysts. <i>Journal of Energy Chemistry</i> , <b>2013</b> , 22, 845-852	12	26
148	The Coalescence Behavior of Two-Dimensional Materials Revealed by Multiscale Imaging during Chemical Vapor Deposition Growth. <i>ACS Nano</i> , <b>2020</b> , 14, 1902-1918	16.7	24
147	Unique reactivity of confined metal atoms on a silicon substrate. <i>ChemPhysChem</i> , <b>2008</b> , 9, 975-9	3.2	23
146	Thermal stability of Cr clusters on SrTiO <sub>3</sub> ( $\bar{1}10$ ). <i>Surface Science</i> , <b>2002</b> , 505, 39-48	1.8	23
145	A solvothermal synthetic route to prepare polycrystalline carbon nitride. <i>Chemical Physics Letters</i> , <b>1999</b> , 314, 223-226	2.5	23
144	In Situ and Operando Characterizations of 2D Materials in Electrochemical Energy Storage Devices. <i>Small Science</i> , <b>2021</b> , 1, 2000076		23
143	Loading Fe <sub>3</sub> O <sub>4</sub> nanoparticles on paper-derived carbon scaffold toward advanced lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 52, 1-11	12	23
142	Role of the Al chemical environment in the formation of silver species and its CO oxidation activity. <i>Journal of Catalysis</i> , <b>2015</b> , 321, 113-122	7.3	22
141	Comparative studies of redox behaviors of Pt <sub>10</sub> /SiO <sub>2</sub> and Au <sub>10</sub> /SiO <sub>2</sub> catalysts and their activities in CO oxidation. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 3151-3158	5.5	22
140	Epitaxial Growth of h-BN on Templates of Various Dimensionalities in h-BN-Graphene Material Systems. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805582	24	20
139	Pt@h-BN core-shell fuel cell electrocatalysts with electrocatalysis confined under outer shells. <i>Nano Research</i> , <b>2018</b> , 11, 3490-3498	10	20
138	A First Principles Study on the Dissociation and Rotation Processes of a Single O <sub>2</sub> Molecule on the Pt(111) Surface. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6864-6869	3.8	20
137	Controlled Transformation of the Structures of Surface Fe (FeO) and Subsurface Fe on Pt(111). <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 24-32	11.3	20
136	Enhanced CO oxidation reaction over Pt nanoparticles covered with ultrathin graphitic layers. <i>Carbon</i> , <b>2016</b> , 101, 324-330	10.4	20
135	Rational design of an efficient descriptor for single-atom catalysts in the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9202-9208	13	20
134	The synergetic effect of h-BN shells and subsurface B in CoB <sub>x</sub> @h-BN nanocatalysts for enhanced oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10644-10648	13	19
133	Electron affinities and electronic structures of o-, m-, and p-hydroxyphenoxy radicals: a combined low-temperature photoelectron spectroscopic and Ab initio calculation study. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 9083-9	2.8	19
132	Catalysis on a metal surface with a graphitic cover. <i>Chinese Journal of Catalysis</i> , <b>2015</b> , 36, 517-519	11.3	18



131	Interface-Confined FeO Adlayers Induced by Metal Support Interaction in Pt/FeO Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 984-990	3.4	18
130	Theoretical study of molecular nitrogen adsorption on Wn clusters. <i>Computational and Theoretical Chemistry</i> , <b>2008</b> , 867, 17-21		18
129	Structure control of Pt <sub>n</sub> bimetallic catalysts supported on highly oriented pyrolytic graphite (HOPG). <i>Applied Surface Science</i> , <b>2008</b> , 254, 3808-3812	6.7	18
128	Direct self-assembly of CTAB-capped Au nanotriangles. <i>Nano Research</i> , <b>2016</b> , 9, 3247-3256	10	18
127	Graphene-modulated photo-absorption in adsorbed azobenzene monolayers. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 6196-6205	3.6	17
126	Graphene as a surfactant for metal growth on solid surfaces: Fe on graphene/SiC(0001). <i>Applied Physics Letters</i> , <b>2014</b> , 104, 181604	3.4	17
125	Enhanced Methanol Dissociation on Nanostructured 2D Al Overlayers. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13524-13530	3.8	17
124	Diffusion-corrected simultaneous multilayer growth model. <i>Physical Review Letters</i> , <b>2003</b> , 90, 106105	7.4	17
123	Hybrid Organic-Inorganic Perovskites as Promising Substrates for Pt Single-Atom Catalysts. <i>Physical Review Letters</i> , <b>2019</b> , 122, 046101	7.4	16
122	Identification of the Scaling Relations for Binary Noble-Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2849-2854	3.8	16
121	Nucleation and growth of Cr clusters and films on (100) SrTiO <sub>3</sub> surfaces. <i>Thin Solid Films</i> , <b>2002</b> , 420-421, 455-460	2.2	16
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