Qiang Fu

List of Publications by Year in Descending Order

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	CO2 hydrogenation to methanol promoted by Cu and metastable tetragonal Ce Zr O interface. *Journal of Energy Chemistry*, **2022**, 68, 771-779	12	2
255	Dynamic structural evolution of iron catalysts involving competitive oxidation and carburization during CO hydrogenation.. *Science Advances*, **2022**, 8, eabm3629	14.3	9
254	The Journal of Physical Chemistry C Virtual Special Issue on Energy and Catalysis in China *Journal of Physical Chemistry C*, **2022**, 126, 2301-2306	3.8	
253	Understanding Single-Atom Catalysis in View of Theory.. *Jacs Au*, **2021**, 1, 2130-2145		16
252	Visualization of Atmosphere-Dependent Relaxation and Failure in Energy Storage Electrodes. *Journal of the American Chemical Society*, **2021**, 143, 17843-17850	16.4	1
251	Electrolyte-dependent formation of solid electrolyte interphase and ion intercalation revealed by in situ surface characterizations. *Journal of Energy Chemistry*, **2021**, 67, 718-718	12	4
250	Achieving flexible large-scale reactivity tuning by controlling the phase, thickness and support of two-dimensional ZnO.. *Chemical Science*, **2021**, 12, 15284-15290	9.4	1
249	Operando surface science methodology reveals surface effect in charge storage electrodes. *National Science Review*, **2021**, 8, nwaa289	10.8	6
248	Regulating Work Function of [CaAlO]:4e Electrides Via Changing Solvated Electron Characters. *Journal of Physical Chemistry Letters*, **2021**, 12, 3274-3280	6.4	4
247	In Situ and Operando Characterizations of 2D Materials in Electrochemical Energy Storage Devices. *Small Science*, **2021**, 1, 2000076		23
246	In situ identification of the metallic state of Ag nanoclusters in oxidative dispersion. *Nature Communications*, **2021**, 12, 1406	17.4	13
245	Predominance of Subsurface and Bulk Oxygen Vacancies in Reduced Manganese Oxide. *Journal of Physical Chemistry C*, **2021**, 125, 7990-7998	3.8	2
244	In Situ and Operando Characterizations of 2D Materials in Electrochemical Energy Storage Devices. *Small Science*, **2021**, 1, 2170010		3
243	Oxidative Strong Metal-Support Interactions between Metals and Inert Boron Nitride. *Journal of Physical Chemistry Letters*, **2021**, 12, 4187-4194	6.4	12
242	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. *Nature Communications*, **2021**, 12, 3181	17.4	40
241	Boosting Selective Nitrogen Reduction via Geometric Coordination Engineering on Single-Tungsten-Atom Catalysts. *Advanced Materials*, **2021**, 33, e2100429	24	36
240	A Career in Catalysis: Robert Schlgl. *ACS Catalysis*, **2021**, 11, 6243-6260	13.1	0

239	Regulating the Catalytic Performance of a Dual-Atom Iron Species Deposited on Graphitic Carbon Nitride for Electrochemical Nitrogen Reduction. *Journal of Physical Chemistry C*, **2021**, 125, 14253-14262	3.8	4
238	Unique structure of active platinum-bismuth site for oxidation of carbon monoxide. *Nature Communications*, **2021**, 12, 3342	17.4	3
237	Dynamic Structural Evolution of MnAu Alloy and MnOx Nanostructures on Au(111) under Different Atmospheres. *Journal of Physical Chemistry C*, **2021**, 125, 15335-15342	3.8	0
236	Loading Fe3O4 nanoparticles on paper-derived carbon scaffold toward advanced lithium–sulfur batteries. *Journal of Energy Chemistry*, **2021**, 52, 1-11	12	23
235	Synergistic Effects for Enhanced Catalysis in a Dual Single-Atom Catalyst. *ACS Catalysis*, **2021**, 11, 1952-1961	13.1	48
234	Activation of CO over Ultrathin Manganese Oxide Layers Grown on Au(111). *ACS Catalysis*, **2021**, 11, 849-857	13.1	7
233	Design of Lewis Pairs via Interface Engineering of Oxide-Metal Composite Catalyst for Water Activation. *Journal of Physical Chemistry Letters*, **2021**, 12, 1443-1452	6.4	4
232	Raman Detection of Bond Breaking and Making of a Chemisorbed Up-Standing Single Molecule at Single-Bond Level. *Journal of Physical Chemistry Letters*, **2021**, 12, 1961-1968	6.4	8
231	Polyoxometalate-Based Metal–Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. *Angewandte Chemie*, **2021**, 133, 22696-22702	3.6	1
230	Polyoxometalate-Based Metal-Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. *Angewandte Chemie - International Edition*, **2021**, 60, 22522-22528	16.4	27
229	Hexagonal Boron Nitride Meeting Metal: A New Opportunity and Territory in Heterogeneous Catalysis. *Journal of Physical Chemistry Letters*, **2021**, 12, 9608-9619	6.4	5
228	Promoting exsolution of RuFe alloy nanoparticles on SrFeRuMoO via repeated redox manipulations for CO electrolysis. *Nature Communications*, **2021**, 12, 5665	17.4	13
227	Molecular Dynamics Characterization of Dielectron Hydration in Liquid Water with Unique Double Proton Transfers. *Journal of Chemical Theory and Computation*, **2021**, 17, 666-677	6.4	3
226	Unraveling the Surface Hydroxyl Network on InO Nanoparticles with High-Field Ultrafast Magic Angle Spinning Nuclear Magnetic Resonance Spectroscopy. *Analytical Chemistry*, **2021**,	7.8	3
225	Tunable deep ultraviolet laser based near ambient pressure photoemission electron microscope for surface imaging in the millibar regime. *Review of Scientific Instruments*, **2020**, 91, 113704	1.7	5
224	Atmosphere-Dependent Structures of PtMn Bimetallic Catalysts. *Journal of Physical Chemistry C*, **2020**, 124, 17548-17555	3.8	2
223	Modulating electronic structure of graphene overlayers through electrochemical intercalation. *Applied Surface Science*, **2020**, 522, 146359	6.7	1
222	Wafer-scale single-crystal hexagonal boron nitride monolayers on Cu(111). *Nature*, **2020**, 579, 219-223	50.4	209

221	Bonding VSe2 ultrafine nanocrystals on graphene toward advanced lithium-sulfur batteries. *Nano Research*, **2020**, 13, 2673-2682	10	33
220	Effect of the nature of copper species on methanol synthesis from CO2 hydrogenation reaction over CuO/Ce0.4Zr0.6O2 catalyst. *Molecular Catalysis*, **2020**, 493, 111105	3.3	6
219	The Coalescence Behavior of Two-Dimensional Materials Revealed by Multiscale Imaging during Chemical Vapor Deposition Growth. *ACS Nano*, **2020**, 14, 1902-1918	16.7	24
218	Facile Transformation of Ni-based Colloids into Highly Stable Nanocatalysts Embedded within h-BN for the Water-Gas Shift Reaction. *ChemCatChem*, **2020**, 12, 1556-1561	5.2	2
217	Interlayer Decoupling in 30° Twisted Bilayer Graphene Quasicrystal. *ACS Nano*, **2020**, 14, 1656-1664	16.7	31
216	Dynamic observation of in-plane h-BN/graphene heterostructures growth on Ni(111). *Nano Research*, **2020**, 13, 1789-1794	10	14
215	Step-confined thin film growth via near-surface atom migration. *Nano Research*, **2020**, 13, 1552-1557	10	1
214	Strain and support effects on phase transition and surface reactivity of ultrathin ZnO films: DFT insights. *AIP Advances*, **2020**, 10, 125125	1.5	1
213	Active sites for H2 and H2O activation over bifunctional ZnO-Pt(1 1 1) model catalysts. *Applied Surface Science*, **2020**, 503, 144204	6.7	2
212	Thin-film composite membrane breaking the trade-off between conductivity and selectivity for a flow battery. *Nature Communications*, **2020**, 11, 13	17.4	67
211	Probing into the multifunctional role of copper species and reaction pathway on copper-cerium-zirconium catalysts for CO2 hydrogenation to methanol using high pressure in situ DRIFTS. *Journal of Catalysis*, **2020**, 382, 129-140	7.3	27
210	Substrate-Free and Shapeless Planar Micro-Supercapacitors. *Advanced Functional Materials*, **2020**, 30, 1908758	15.6	32
209	Visualizing Formation of Tungsten Carbide Model Catalyst and its Interaction with Oxygen. *ChemCatChem*, **2020**, 12, 1036-1045	5.2	3
208	An investigation of Zr/Ce ratio influencing the catalytic performance of CuO/Ce1-xZrxO2 catalyst for CO2 hydrogenation to CH3OH. *Journal of Energy Chemistry*, **2020**, 47, 18-28	12	28
207	Sponge Assembled by Graphene Nanocages with Double Active Sites to Accelerate Alkaline HER Kinetics. *Nano Letters*, **2020**, 20, 8375-8383	11.5	15
206	Ambient Chemical Fixation of CO2 Using a Robust Ag27 Cluster-Based Two-Dimensional Metal–Organic Framework. *Angewandte Chemie*, **2020**, 132, 20206-20211	3.6	3
205	Ambient Chemical Fixation of CO Using a Robust Ag Cluster-Based Two-Dimensional Metal-Organic Framework. *Angewandte Chemie - International Edition*, **2020**, 59, 20031-20036	16.4	44
204	In Situ Monitoring of Growth of Vertically Stacked h-BN/Graphene Heterostructures on Ni Substrates and Their Interface Interaction. *Surfaces*, **2020**, 3, 328-336	2.9	2

203	Intrinsically Active Surface in a Pt/□MoN Catalyst for the Water-Gas Shift Reaction: Molybdenum Nitride or Molybdenum Oxide?. *Journal of the American Chemical Society*, **2020**, 142, 13362-13371	16.4	12
202	Defect-mediated reactivity of Pt/TiO2 catalysts: the different role of titanium and oxygen vacancies. *Science China Chemistry*, **2020**, 63, 1323-1330	7.9	10
201	Reaction-Induced Strong Metal-Support Interactions between Metals and Inert Boron Nitride Nanosheets. *Journal of the American Chemical Society*, **2020**, 142, 17167-17174	16.4	53
200	CO2 Reforming of Methane over a Highly Dispersed Ni/MgAlO Catalyst Prepared by a Facile and Green Method. *Industrial & Engineering Chemistry Research*, **2020**, 59, 15506-15514	3.9	15
199	Spatial Confinement as an Effective Strategy for Improving the Catalytic Selectivity in Acetylene Hydrogenation. *ACS Applied Materials & Interfaces*, **2020**, 12, 39352-39361	9.5	3
198	CO2 hydrogenation to methanol over Cu/CeO2 and Cu/ZrO2 catalysts: Tuning methanol selectivity via metal-support interaction. *Journal of Energy Chemistry*, **2020**, 40, 22-30	12	69
197	Magnetic Dioxygen Clathrate Hydrates: A Type of Promising Building Blocks for Icy Crystalline Materials. *Journal of Physical Chemistry C*, **2020**, 124, 10669-10678	3.8	3
196	Rational design of an efficient descriptor for single-atom catalysts in the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2020**, 8, 9202-9208	13	20
195	Epitaxial Growth of h-BN on Templates of Various Dimensionalities in h-BN-Graphene Material Systems. *Advanced Materials*, **2019**, 31, e1805582	24	20
194	Hybrid Organic-Inorganic Perovskites as Promising Substrates for Pt Single-Atom Catalysts. *Physical Review Letters*, **2019**, 122, 046101	7.4	16
193	Revealing the Highly Catalytic Performance of Spinel CoMn2O4 for Toluene Oxidation: Involvement and Replenishment of Oxygen Species Using In Situ Designed-TP Techniques. *ACS Catalysis*, **2019**, 9, 6698-6710	13.1	135
192	Scalable and Economic Synthesis of High-Performance Na3V2(PO4)2F3 by a Solvothermal□Ball-Milling Method. *ACS Energy Letters*, **2019**, 4, 1565-1571	20.1	43
191	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metal□Support Interactions. *ACS Catalysis*, **2019**, 9, 5223-5230	13.1	52
190	Rational approach to guest confinement inside MOF cavities for low-temperature catalysis. *Nature Communications*, **2019**, 10, 1340	17.4	59
189	2D Materials: Epitaxial Growth of h-BN on Templates of Various Dimensionalities in h-BN□Graphene Material Systems (Adv. Mater. 12/2019). *Advanced Materials*, **2019**, 31, 1970088	24	1
188	A near ambient pressure photoemission electron microscope (NAP-PEEM). *Ultramicroscopy*, **2019**, 200, 105-110	3.1	12
187	Controlled growth of uniform two-dimensional ZnO overlayers on Au(111) and surface hydroxylation. *Nano Research*, **2019**, 12, 2348-2354	10	13
186	Activation and Spillover of Hydrogen on Sub-1 nm Palladium Nanoclusters Confined within Sodalite Zeolite for the Semi-Hydrogenation of Alkynes. *Angewandte Chemie - International Edition*, **2019**, 58, 7668-7672	16.4	55

185	Effect of Near-Surface Dopants on the Epitaxial Growth of h-BN on Metal Surfaces. *Advanced Materials Interfaces*, **2019**, 6, 1801906	4.6	6
184	Nonlinear Migration Dynamics of Excess Electrons along Linear Oligopeptides Controlled by an Applied Electric Field. *ChemPhysChem*, **2019**, 20, 1497-1507	3.2	1
183	Activation of CO and surface carbon species for conversion of syngas to light olefins on ZnCrO -Al2O3 catalysts. *Applied Surface Science*, **2019**, 494, 353-360	6.7	10
182	Photo-assisted methanol synthesis via CO2 reduction under ambient pressure over plasmonic Cu/ZnO catalysts. *Applied Catalysis B: Environmental*, **2019**, 250, 10-16	21.8	71
181	Modulating the surface defects of titanium oxides and consequent reactivity of Pt catalysts. *Chemical Science*, **2019**, 10, 10531-10536	9.4	6
180	Dynamic nanoscale imaging of enriched CO adlayer on Pt(111) confined under h-BN monolayer in ambient pressure atmospheres. *Nano Research*, **2019**, 12, 85-90	10	11
179	CO and H2 Activation over g-ZnO Layers and w-ZnO(0001). *ACS Catalysis*, **2019**, 9, 1373-1382	13.1	15
178	Two-dimensional circular platinum nanodendrites toward efficient oxygen reduction reaction and methanol oxidation reaction. *Electrochemistry Communications*, **2019**, 98, 53-57	5.1	11
177	Toward Fundamentals of Confined Electrocatalysis in Nanoscale Reactors. *Journal of Physical Chemistry Letters*, **2019**, 10, 533-539	6.4	11
176	Enhanced hydrogen evolution reaction over molybdenum carbide nanoparticles confined inside single-walled carbon nanotubes. *Journal of Energy Chemistry*, **2019**, 28, 123-127	12	39
175	Carbon doping of hexagonal boron nitride porous materials toward CO2 capture. *Journal of Materials Chemistry A*, **2018**, 6, 1832-1839	13	85
174	CO-tolerant PtRu@h-BN/C core–shell electrocatalysts for proton exchange membrane fuel cells. *Applied Surface Science*, **2018**, 450, 244-250	6.7	15
173	Highly selective charged porous membranes with improved ion conductivity. *Nano Energy*, **2018**, 48, 353-360	17.1	30
172	Origin of the Thickness-Dependent Oxidation of Ultrathin Cu Films on Au(111). *Journal of Physical Chemistry C*, **2018**, 122, 8364-8372	3.8	15
171	Direct synthesis and in situ characterization of monolayer parallelogrammic rhenium diselenide on gold foil. *Communications Chemistry*, **2018**, 1,	6.3	44
170	Structural transformation of h-BN overlayers on Pt(111) in oxidative atmospheres. *Physical Chemistry Chemical Physics*, **2018**, 20, 11013-11020	3.6	8
169	Pt@h-BN core–shell fuel cell electrocatalysts with electrocatalysis confined under outer shells. *Nano Research*, **2018**, 11, 3490-3498	10	20
168	Interface-Confined FeO Adlayers Induced by Metal Support Interaction in Pt/FeO Catalysts. *Journal of Physical Chemistry B*, **2018**, 122, 984-990	3.4	18

167	The synergetic effect of h-BN shells and subsurface B in CoBx@h-BN nanocatalysts for enhanced oxygen evolution reactions. *Journal of Materials Chemistry A*, **2018**, 6, 10644-10648	13	19
166	Recent advances in the preparation, characterization, and applications of two-dimensional heterostructures for energy storage and conversion. *Journal of Materials Chemistry A*, **2018**, 6, 21747-21784	13	62
165	Electrochemically Scalable Production of Fluorine-Modified Graphene for Flexible and High-Energy Ionogel-Based Microsupercapacitors. *Journal of the American Chemical Society*, **2018**, 140, 8198-8205	16.4	188
164	Growth of Ordered ZnO Structures on Au(111) and Cu(111). *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2018**, 34, 1373-1380	3.8	10
163	Nanoimaging of Electronic Heterogeneity in Bi2Se3 and Sb2Te3 Nanocrystals. *Advanced Electronic Materials*, **2018**, 4, 1700377	6.4	13
162	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. *ACS Nano*, **2018**, 12, 12869-12878	16.7	60
161	Unique Solvating Effect in Azabenzene Clathrate Hydrates. *Journal of Physical Chemistry C*, **2018**, 122, 28466-28477	3.8	0
160	Carbide-Supported Au Catalysts for Water-Gas Shift Reactions: A New Territory for the Strong Metal-Support Interaction Effect. *Journal of the American Chemical Society*, **2018**, 140, 13808-13816	16.4	123
159	Advanced porous membranes with slit-like selective layer for flow battery. *Nano Energy*, **2018**, 54, 73-81	17.1	33
158	Decoupling the Interaction between Wet-Transferred MoS2 and Graphite Substrate by an Interfacial Water Layer. *Advanced Materials Interfaces*, **2018**, 5, 1800641	4.6	10
157	Abnormal growth kinetics of h-BN epitaxial monolayer on Ru(0001) enhanced by subsurface Ar species. *Applied Physics Letters*, **2018**, 112, 171601	3.4	4
156	Graphene-modulated photo-absorption in adsorbed azobenzene monolayers. *Physical Chemistry Chemical Physics*, **2017**, 19, 6196-6205	3.6	17
155	Diffusion of single Au, Ag and Cu atoms inside Si(111)-(7 □7) half unit cells: A comparative study. *Applied Surface Science*, **2017**, 401, 225-231	6.7	5
154	Computational Study of Nb-Doped-SnO2/Pt Interfaces: Dopant Segregation, Electronic Transport, and Catalytic Properties. *Chemistry of Materials*, **2017**, 29, 1641-1649	9.6	10
153	Active Phase of FeOx/Pt Catalysts in Low-Temperature CO Oxidation and Preferential Oxidation of CO Reaction. *Journal of Physical Chemistry C*, **2017**, 121, 10398-10405	3.8	33
152	A nickel nanocatalyst within a h-BN shell for enhanced hydrogen oxidation reactions. *Chemical Science*, **2017**, 8, 5728-5734	9.4	80
151	Confined catalysis under two-dimensional materials. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 5930-5934	11.5	134
150	High Packing Density Unidirectional Arrays of Vertically Aligned Graphene with Enhanced Areal Capacitance for High-Power Micro-Supercapacitors. *ACS Nano*, **2017**, 11, 4009-4016	16.7	83

149	Graphene-metal interaction and its effect on the interface stability under ambient conditions. *Applied Surface Science*, **2017**, 412, 262-270	6.7	10
148	Intercalation-etching of graphene on Pt(111) in H2 and O2 observed by in-situ low energy electron microscopy. *Science China Chemistry*, **2017**, 60, 656-662	7.9	6
147	Catalysis under shell: Improved CO oxidation reaction confined in Pt@h-BN core□shell nanoreactors. *Nano Research*, **2017**, 10, 1403-1412	10	44
146	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. *ACS Nano*, **2017**, 11, 12337-12345	16.7	112
145	Unique Transformation from Graphene to Carbide on Re(0001) Induced by Strong Carbon-Metal Interaction. *Journal of the American Chemical Society*, **2017**, 139, 17574-17581	16.4	29
144	Confined Pyrolysis within Metal-Organic Frameworks To Form Uniform Ru Clusters for Efficient Oxidation of Alcohols. *Journal of the American Chemical Society*, **2017**, 139, 9795-9798	16.4	157
143	Surface chemistry and catalysis confined under two-dimensional materials. *Chemical Society Reviews*, **2017**, 46, 1842-1874	58.5	309
142	Enhanced Nickel-Catalyzed Methanation Confined under Hexagonal Boron Nitride Shells. *ACS Catalysis*, **2016**, 6, 6814-6822	13.1	74
141	Segregation growth of epitaxial graphene overlayers on Ni(111). *Science Bulletin*, **2016**, 61, 1536-1542	10.6	11
140	Stacking sequence and interlayer coupling in few-layer graphene revealed by in situ imaging. *Nature Communications*, **2016**, 7, 13256	17.4	66
139	Energy-Level Alignment at the Interface of Graphene Fluoride and Boron Nitride Monolayers: An Investigation by Many-Body Perturbation Theory. *Journal of Physical Chemistry C*, **2016**, 120, 11671-11678	3.8	12
138	Selective conversion of syngas to light olefins. *Science*, **2016**, 351, 1065-8	33.3	740
137	Hydrogen Intercalation of Graphene and Boron Nitride Monolayers Grown on Pt(111). *Topics in Catalysis*, **2016**, 59, 543-549	2.3	28
136	Applications of PEEM/LEEM in Dynamic Studies of Surface Physics and Chemistry of Two-Dimensional Atomic Crystals. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2016**, 32, 171-182	3.8	5
135	In situ Raman spectroscopy study of metal-enhanced hydrogenation and dehydrogenation of VO2. *Journal of Physics Condensed Matter*, **2016**, 28, 434003	1.8	2
134	Catalysis with two-dimensional materials and their heterostructures. *Nature Nanotechnology*, **2016**, 11, 218-30	28.7	1433
133	Heteroepitaxial growth of wafer scale highly oriented graphene using inductively coupled plasma chemical vapor deposition. *2D Materials*, **2016**, 3, 021001	5.9	10
132	Enhanced CO oxidation reaction over Pt nanoparticles covered with ultrathin graphitic layers. *Carbon*, **2016**, 101, 324-330	10.4	20

131	Direct self-assembly of CTAB-capped Au nanotriangles. *Nano Research*, **2016**, 9, 3247-3256	10	18
130	Factors controlling the CO intercalation of h-BN overlayers on Ru(0001). *Physical Chemistry Chemical Physics*, **2016**, 18, 24278-84	3.6	12
129	Stability of BN/metal interfaces in gaseous atmosphere. *Nano Research*, **2015**, 8, 227-237	10	32
128	MoOx-promoted Pt catalysts for the water gas shift reaction at low temperatures. *Chinese Journal of Catalysis*, **2015**, 36, 750-756	11.3	5
127	Superresolution fluorescence mapping of single-nanoparticle catalysts reveals spatiotemporal variations in surface reactivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8959-64	11.5	58
126	Understanding nano effects in catalysis. *National Science Review*, **2015**, 2, 183-201	10.8	195
125	Hexagonal boron nitride cover on Pt(111): a new route to tune molecule-metal interaction and metal-catalyzed reactions. *Nano Letters*, **2015**, 15, 3616-23	11.5	114
124	Catalysis on a metal surface with a graphitic cover. *Chinese Journal of Catalysis*, **2015**, 36, 517-519	11.3	18
123	A comparative study in structure and reactivity of FeO x -on-Pt and NiO x -on-Pt catalysts. *Science China Chemistry*, **2015**, 58, 162-168	7.9	10
122	A microfluidic-based controllable synthesis of rolled or rigid ultrathin gold nanoplates. *RSC Advances*, **2015**, 5, 37512-37516	3.7	8
121	The effect of iodide on the synthesis of gold nanoprisms. *Journal of Experimental Nanoscience*, **2015**, 10, 1309-1318	1.9	11
120	Oxygen intercalation under hexagonal boron nitride (h-BN) on Pt(111). *Science Bulletin*, **2015**, 60, 1572-1579	10.9	15
119	Creating a Nanospace under an h-BN Cover for Adlayer Growth on Nickel(111). *ACS Nano*, **2015**, 9, 11589-98	13.7	32
118	Monolayer MoS2 Growth on Au Foils and On-Site Domain Boundary Imaging. *Advanced Functional Materials*, **2015**, 25, 842-849	15.6	59
117	Role of the Al chemical environment in the formation of silver species and its CO oxidation activity. *Journal of Catalysis*, **2015**, 321, 113-122	7.3	22
116	Highly dispersed Fe2O3 on carbon nanotubes for low-temperature selective catalytic reduction of NO with NH3. *Chemical Communications*, **2015**, 51, 956-8	5.8	84
115	Molecular Design to Enhance the Thermal Stability of a Photo Switchable Molecular Junction Based on Dimethyldihydropyrene and Cyclophanediene Isomerization. *Journal of Physical Chemistry C*, **2015**, 119, 11468-11474	3.8	9
114	Modulation of Surface Chemistry of CO on Ni(111) by Surface Graphene and Carbidic Carbon. *Journal of Physical Chemistry C*, **2015**, 119, 13590-13597	3.8	34

113	Effect of Sb Segregation on Conductance and Catalytic Activity at Pt/Sb-Doped SnO2 Interface: A Synergetic Computational and Experimental Study. *ACS Applied Materials & Interfaces*, **2015**, 7, 27782-95	9.5	13
112	Nature of Interface Confinement Effect in Oxide/Metal Catalysts. *Journal of Physical Chemistry C*, **2015**, 119, 27556-27561	3.8	32
111	Growth mechanism deconvolution of self-limiting supraparticles based on microfluidic system. *ACS Nano*, **2015**, 9, 172-9	16.7	32
110	Facile oxygen intercalation between full layer graphene and Ru(0001) under ambient conditions. *Surface Science*, **2015**, 634, 37-43	1.8	35
109	Monolayer Films: Monolayer MoS2 Growth on Au Foils and On-Site Domain Boundary Imaging (Adv. Funct. Mater. 6/2015). *Advanced Functional Materials*, **2015**, 25, 826-826	15.6	2
108	Microfluidic-based controllable synthesis of Pt nanocatalysts supported on carbon for fuel cells. *RSC Advances*, **2015**, 5, 14740-14746	3.7	7
107	Coverage and Substrate Effects on the Structural Change of FeOx Nanostructures Supported on Pt. *Topics in Catalysis*, **2014**, 57, 890-898	2.3	10
106	Low-temperature catalytic oxidation of toluene over nanocrystal-like Mn□Co oxides prepared by two-step hydrothermal method. *Catalysis Communications*, **2014**, 52, 31-35	3.2	75
105	Surface Chemistry of CO on Ru(0001) under the Confinement of Graphene Cover. *Journal of Physical Chemistry C*, **2014**, 118, 12391-12398	3.8	50
104	Comparative studies of redox behaviors of Pt□Co/SiO2 and Au□Co/SiO2 catalysts and their activities in CO oxidation. *Catalysis Science and Technology*, **2014**, 4, 3151-3158	5.5	22
103	Epitaxial growth of asymmetrically-doped bilayer graphene for photocurrent generation. *Small*, **2014**, 10, 2245-50	11	4
102	Catalytic activity of Pd-doped Cu nanoparticles for hydrogenation as a single-atom-alloy catalyst. *Physical Chemistry Chemical Physics*, **2014**, 16, 8367-75	3.6	45
101	Single-molecule chemical reaction reveals molecular reaction kinetics and dynamics. *Nature Communications*, **2014**, 5, 4238	17.4	27
100	Graphene as a surfactant for metal growth on solid surfaces: Fe on graphene/SiC(0001). *Applied Physics Letters*, **2014**, 104, 181604	3.4	17
99	Graphene cover-promoted metal-catalyzed reactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17023-8	11.5	152
98	Formaldehyde catalytic oxidation over hydroxyapatite modified with various organic molecules. *Chinese Journal of Catalysis*, **2014**, 35, 1927-1936	11.3	7
97	The improved reactivity of manganese catalysts by Ag in catalytic oxidation of toluene. *Applied Catalysis B: Environmental*, **2013**, 132-133, 353-362	21.8	133
96	A Highly Active □NiO-on-Au□Surface Architecture for CO Oxidation. *ACS Catalysis*, **2013**, 3, 1810-1818	13.1	51

95	Simultaneous N-intercalation and N-doping of epitaxial graphene on 6H-SiC(0001) through thermal reactions with ammonia. *Nano Research*, **2013**, 6, 399-408	10	38
94	Synthesis and Photovoltaic Properties of D-A Copolymers Based on 11,12-Difluorodibenzo[a,c]phenazine Acceptor Unit. *Macromolecular Chemistry and Physics*, **2013**, 214, 1772-1779	2.6	9
93	Investigation of CO and formaldehyde oxidation over mesoporous Ag/Co3O4 catalysts. *Journal of Energy Chemistry*, **2013**, 22, 845-852	12	26
92	Nanosized FeOx overlayers on Pt-skin surfaces for low temperature CO oxidation. *Chinese Journal of Catalysis*, **2013**, 34, 2029-2035	11.3	7
91	Enhanced reactivity of graphene wrinkles and their function as nanosized gas inlets for reactions under graphene. *Physical Chemistry Chemical Physics*, **2013**, 15, 19042-8	3.6	72
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