

Jian-guo Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8325910/publications.pdf>

Version: 2024-02-01

120
papers

7,620
citations

71061

41
h-index

54882

84
g-index

125
all docs

125
docs citations

125
times ranked

10223
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace water triggers high-efficiency photocatalytic hydrogen peroxide production. <i>Journal of Energy Chemistry</i> , 2022, 64, 47-54.	7.1	33
2	Effect of Cross-Linked Structures on Mechanical Properties of Styrene-Butadiene Rubber via Molecular Dynamics Simulation. <i>Macromolecular Theory and Simulations</i> , 2022, 31, 2100054.	0.6	7
3	Interface hydrophobic tunnel engineering: A general strategy to boost electrochemical conversion of N ₂ to NH ₃ . <i>Nano Energy</i> , 2022, 92, 106784.	8.2	33
4	Engineering the geometric and electronic structure of Ru <i>via</i> Ru-TiO ₂ interaction for enhanced selective hydrogenation. <i>Catalysis Science and Technology</i> , 2022, 12, 1005-1016.	2.1	12
5	Synergistic Effect of Coordination Fields and Hydrosolvents on the Single-Atom Catalytic Property in H ₂ O ₂ Synthesis: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2349-2364.	1.5	9
6	Synergistic effect of doped nitrogen and oxygen-containing functional groups on electrochemical synthesis of hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4749-4757.	5.2	26
7	Weak Pb-O of confined [Pb ₄] in pyramidal sillenite-type Bi ₁₂ PbO ₂₀ for enhanced electrochemical ozone production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5430-5441.	5.2	10
8	High-efficiency visible-light photocatalytic H ₂ O ₂ production using CdSe-based core/shell quantum dots. <i>Catalysis Science and Technology</i> , 2022, 12, 2865-2871.	2.1	2
9	Ru Cluster-Decorated Cu Nanoparticles Enhanced Selectivity to Imine from One-Pot Cascade Transformations. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 3474-3482.	1.8	6
10	Unravelling the functional complexity of oxygen-containing groups on carbon for the reduction of NO with NH ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 133, 104261.	2.7	4
11	Reaction and Transport Co-Intensification Enhanced Continuous Flow Electrocatalytic Aminoxyl-Mediated Oxidation of Sterol Intermediates by 3D Porous Framework Electrode. <i>Chemical Engineering Journal</i> , 2022, , 136659.	6.6	5
12	Multiphysics modeling of proton exchange membrane water electrolysis: From steady to dynamic behavior. <i>AIChE Journal</i> , 2022, 68, .	1.8	7
13	Lattice Oxygen of PbO ₂ (101) Consuming and Refilling via Electrochemical Ozone Production and H ₂ O Dissociation. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8627-8636.	1.5	7
14	Computational screening of O-functional MXenes for electrocatalytic ammonia synthesis. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1860-1869.	6.9	9
15	Oxygen vacancies on Nb ₂ O ₅ enhanced the performance of H ₂ O ₂ electrosynthesis from O ₂ reduction. <i>Chemical Communications</i> , 2022, 58, 8428-8431.	2.2	5
16	Effects of surface functionalization of mxene-based nanocatalysts on hydrogen evolution reaction performance. <i>Catalysis Today</i> , 2021, 368, 187-195.	2.2	51
17	Efficient photocatalytic reduction of CO ₂ using Fe-based covalent triazine frameworks decorated with in situ grown ZnFe ₂ O ₄ nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 408, 127358.	6.6	28
18	Enhanced oxygen reduction reaction performance over Pd catalysts by oxygen-surface-modified SiC. <i>Chinese Journal of Catalysis</i> , 2021, 42, 963-970.	6.9	1

#	ARTICLE	IF	CITATIONS
19	Dual effect of the coordination field and sulphuric acid on the properties of a single-atom catalyst in the electrosynthesis of H_2O_2 . <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21338-21349.	1.3	15
20	Ultrathin 2D flower-like CoP@C with the active (211) facet for efficient electrocatalytic water splitting. <i>CrystEngComm</i> , 2021, 23, 1777-1784.	1.3	9
21	Quantitative Insights into the Reaction Mechanism for the Direct Synthesis of H_2O_2 over Transition Metals: Coverage-Dependent Microkinetic Modeling. <i>ACS Catalysis</i> , 2021, 11, 1202-1221.	5.5	32
22	Lattice oxygen of PbO_2 induces crystal facet dependent electrochemical ozone production. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9010-9017.	5.2	25
23	A first-principles study of reaction mechanism over carbon decorated oxygen-deficient TiO_2 supported Pd catalyst in direct synthesis of H_2O_2 . <i>Chinese Journal of Chemical Engineering</i> , 2021, 31, 126-134.	1.7	10
24	Atomic Pt Embedded in BNC Nanotubes for Enhanced Electrochemical Ozone Production via an Oxygen Intermediate-Rich Local Environment. <i>ACS Catalysis</i> , 2021, 11, 5438-5451.	5.5	36
25	Oxygen Groups Enhancing the Mechanism of Nitrogen Reduction Reaction Properties on Ru- or Fe-Supported Nb_2C MXene. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14636-14645.	1.5	24
26	Geometric and electronic effects on the performance of a bifunctional Ru_2P catalyst in the hydrogenation and acceptorless dehydrogenation of N-heteroarenes. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1185-1194.	6.9	14
27	High-performance single-atom Ni catalyst loaded graphyne for H_2O_2 green synthesis in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 58-67.	5.0	12
28	Meso-scale simulation on mechanism of Na^+ -gated water-conducting nanochannels in zeolite NaA. <i>Journal of Membrane Science</i> , 2021, 635, 119462.	4.1	5
29	Pd-Co alloy supported on TiO_2 with oxygen vacancies for efficient N_2 and O_2 electrocatalytic reduction. <i>Applied Surface Science</i> , 2021, 567, 150680.	3.1	14
30	Oxygen-deficient TiO_2 and carbon coupling synergistically boost the activity of Ru nanoparticles for the alkaline hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10160-10168.	5.2	28
31	Building highly active hybrid double-atom sites in C_2N for enhanced electrocatalytic hydrogen peroxide synthesis. <i>Green Energy and Environment</i> , 2021, 6, 846-857.	4.7	22
32	Sintering Rate and Mechanism of Supported Pt Nanoparticles by Multiscale Simulation. <i>Langmuir</i> , 2021, 37, 12529-12538.	1.6	5
33	Symbolic Transformer Accelerating Machine Learning Screening of Hydrogen and Deuterium Evolution Reaction Catalysts in MA_2Z_4 Materials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50878-50891.	4.0	33
34	Mo_2TiC_2 MXene: A Promising Catalyst for Electrocatalytic Ammonia Synthesis. <i>Catalysis Today</i> , 2020, 339, 120-126.	2.2	102
35	Hydrogen peroxide synthesis on porous graphitic carbon nitride using water as a hydrogen source. <i>Journal of Materials Chemistry A</i> , 2020, 8, 124-137.	5.2	18
36	Hydrogen peroxide electrochemical synthesis on hybrid double-atom (Pd@Cu) doped N vacancy $\text{g-C}_3\text{N}_4$: a novel design strategy for electrocatalyst screening. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2672-2683.	5.2	40

#	ARTICLE	IF	CITATIONS
37	A generalized formula for two-dimensional diffusion of CO in graphene nanoslits with different Pt loadings. <i>Green Energy and Environment</i> , 2020, 5, 322-332.	4.7	10
38	A Cu and Fe dual-atom nanozyme mimicking cytochrome c oxidase to boost the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16994-17001.	5.2	109
39	Synergistic effect of size-dependent PtZn nanoparticles and zinc single-atom sites for electrochemical ozone production in neutral media. <i>Journal of Energy Chemistry</i> , 2020, 51, 312-322.	7.1	32
40	High-Throughput Screening of Hydrogen Evolution Reaction Catalysts in MXene Materials. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13695-13705.	1.5	51
41	Machine-learning-accelerated screening of hydrogen evolution catalysts in MBenes materials. <i>Applied Surface Science</i> , 2020, 526, 146522.	3.1	50
42	Simultaneous electrochemical ozone production and hydrogen evolution by using tantalum-based nanorods electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118632.	10.8	42
43	Synergetic effect of pyrrolic-N and doped boron in mesoporous carbon for electrocatalytic ozone production. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2336-2342.	5.2	21
44	Na ⁺ -gated water-conducting nanochannels for boosting CO ₂ conversion to liquid fuels. <i>Science</i> , 2020, 367, 667-671.	6.0	136
45	A new strategy for engineering a hierarchical porous carbon-anchored Fe single-atom electrocatalyst and the insights into its bifunctional catalysis for flexible rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9981-9990.	5.2	97
46	Ru nanoparticles deposited on ultrathin TiO ₂ nanosheets as highly active catalyst for levulinic acid hydrogenation to γ -valerolactone. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118076.	10.8	58
47	Biomass Valorization via Paired Electrosynthesis Over Vanadium Nitride-Based Electrocatalysts. <i>Advanced Functional Materials</i> , 2019, 29, 1904780.	7.8	120
48	Optimizing Alkyne Hydrogenation Performance of Pd on Carbon in Situ Decorated with Oxygen-Deficient TiO ₂ by Integrating the Reaction and Diffusion. <i>ACS Catalysis</i> , 2019, 9, 10656-10667.	5.5	50
49	MoO _x Nanoparticle Catalysts for <i>trans</i> -Glucose Epimerization and Their Electrical Immobilization in a Continuous Flow Reactor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44118-44123.	4.0	2
50	Fe(CN) ₅ @PIL-derived N-doped porous carbon with FeC _x N _y active sites as a robust electrocatalyst for the oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 97-105.	2.1	10
51	Defect engineering of nickel hydroxide nanosheets by Ostwald ripening for enhanced selective electrocatalytic alcohol oxidation. <i>Green Chemistry</i> , 2019, 21, 578-588.	4.6	71
52	Synergistic effect of surface oxygen vacancies and interfacial charge transfer on Fe(III)/Bi ₂ MoO ₆ for efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 150-162.	10.8	185
53	Micromechanical simulation of the pore size effect on the structural stability of brittle porous materials with bicontinuous morphology. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12895-12904.	1.3	10
54	Recent advances in heterogeneous catalytic hydrogenation and dehydrogenation of N-heterocycles. <i>Chinese Journal of Catalysis</i> , 2019, 40, 980-1002.	6.9	68

#	ARTICLE	IF	CITATIONS
55	Effect of Hydrogen-Induced Metallization on Chemisorption. Journal of Physical Chemistry C, 2019, 123, 15171-15175.	1.5	3
56	Microporous 3D Covalent Organic Frameworks for Liquid Chromatographic Separation of Xylene Isomers and Ethylbenzene. Journal of the American Chemical Society, 2019, 141, 8996-9003.	6.6	171
57	Multiscale Simulation of Morphology Evolution of Supported Pt Nanoparticles via Interfacial Control. Langmuir, 2019, 35, 6393-6402.	1.6	8
58	Single and double boron atoms doped nanoporous C ₂ N ₂ 2D electrocatalysts for highly efficient N ₂ reduction reaction: a density functional theory study. Nanotechnology, 2019, 30, 335403.	1.3	81
59	2D-3D transformation of palladium and gold nanoparticles on functionalized Mo ₂ C by multiscale simulation. Applied Surface Science, 2019, 481, 554-563.	3.1	10
60	Multiscale simulation on thermal stability of supported metal nanocatalysts. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1405.	6.2	3
61	Oxygen vacancy enhancing mechanism of nitrogen reduction reaction property in Ru/TiO ₂ . Journal of Energy Chemistry, 2019, 39, 144-151.	7.1	79
62	Multiscale Simulation on Product Distribution from Pyrolysis of Styrene-Butadiene Rubber. Polymers, 2019, 11, 1967.	2.0	13
63	Achieving 59% faradaic efficiency of the N ₂ electroreduction reaction in an aqueous Zn-N ₂ battery by facily regulating the surface mass transport on metallic copper. Chemical Communications, 2019, 55, 12801-12804.	2.2	45
64	Enhanced Oxygen Reduction Activity on Carbon Supported Pd Nanoparticles Via SiO ₂ . ChemCatChem, 2019, 11, 1278-1285.	1.8	9
65	Electrocatalytic Upgrading of Lignin-Derived Bio-Oil Based on Surface-Engineered PtNiB Nanostructure. Advanced Functional Materials, 2019, 29, 1807651.	7.8	70
66	A theoretical study of electrocatalytic ammonia synthesis on single metal atom/MXene. Chinese Journal of Catalysis, 2019, 40, 152-159.	6.9	76
67	Palladium Dimer Supported on Mo ₂ CO ₂ (MXene) for Direct Methane to Methanol Conversion. Advanced Theory and Simulations, 2019, 2, 1800158.	1.3	22
68	Functionalization Ti ₃ C ₂ MXene by the adsorption or substitution of single metal atom. Applied Surface Science, 2019, 465, 911-918.	3.1	63
69	Highly Efficient Ammonia Synthesis Electrocatalyst: Single Ru Atom on Naturally Nanoporous Carbon Materials. Advanced Theory and Simulations, 2018, 1, 1800018.	1.3	90
70	Oxygen vacancies on TiO ₂ promoted the activity and stability of supported Pd nanoparticles for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 2264-2272.	5.2	163
71	Pd-Containing Nanostructures for Electrochemical CO ₂ Reduction Reaction. ACS Catalysis, 2018, 8, 1510-1519.	5.5	261
72	Aqueous-Phase Acetic Acid Ketonization over Monoclinic Zirconia. ACS Catalysis, 2018, 8, 488-502.	5.5	32

#	ARTICLE	IF	CITATIONS
73	Atomically dispersed Pd catalysts in graphyne nanopore: formation and reactivity. <i>Nanotechnology</i> , 2017, 28, 295403.	1.3	26
74	Switchable CO ₂ electroreduction via engineering active phases of Pd nanoparticles. <i>Nano Research</i> , 2017, 10, 2181-2191.	5.8	208
75	The Effect of N-Containing Supports on Catalytic CO Oxidation Activity over Highly Dispersed Pt/LiO ₂ . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 172-178.	1.0	18
76	PtPd alloy embedded in nitrogen-rich graphene nanopores: High-performance bifunctional electrocatalysts for hydrogen evolution and oxygen reduction. <i>Carbon</i> , 2017, 114, 740-748.	5.4	94
77	Electrochemical promotion of catalysis over Pd nanoparticles for CO ₂ reduction. <i>Chemical Science</i> , 2017, 8, 2569-2573.	3.7	72
78	Double Nanoporous Structure with Nanoporous PtFe Embedded in Graphene Nanopores: Highly Efficient Bifunctional Electrocatalysts for Hydrogen Evolution and Oxygen Reduction. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601029.	1.9	36
79	Enhanced Selectivity of Phenol Hydrogenation in Low-Pressure CO ₂ over Supported Pd Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11628-11636.	3.2	30
80	Hierarchical Porous NC@CuCo Nitride Nanosheet Networks: Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting and Selective Electrooxidation of Benzyl Alcohol. <i>Advanced Functional Materials</i> , 2017, 27, 1704169.	7.8	267
81	Enhanced Catalytic Performances for Guaiacol Aqueous Phase Hydrogenation over Ruthenium Supported on Mesoporous TiO ₂ Hollow Spheres Embedded with SiO ₂ Nanoparticles. <i>ChemistrySelect</i> , 2017, 2, 9599-9606.	0.7	16
82	Tuning the confinement space of N-carbon shell-coated ruthenium nanoparticles: highly efficient electrocatalysts for hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 4964-4970.	2.1	36
83	Improved Oxygen Reduction Reaction Performance of Co Confined in Ordered N-Doped Porous Carbon Derived from ZIF-67@PILs. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11100-11110.	1.8	50
84	Selective phenol hydrogenation to cyclohexanone over alkali-metal-promoted Pd/TiO ₂ in aqueous media. <i>Green Chemistry</i> , 2017, 19, 3585-3594.	4.6	88
85	Efficient Activation of Li ₂ S by Transition Metal Phosphides Nanoparticles for Highly Stable Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2017, 2, 1711-1719.	8.8	252
86	Enhanced sulfide chemisorption using boron and oxygen dually doped multi-walled carbon nanotubes for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 632-640.	5.2	151
87	Twin-like ternary PtCoFe alloy in nitrogen-doped graphene nanopores as a highly effective electrocatalyst for oxygen reduction. <i>Catalysis Science and Technology</i> , 2016, 6, 5942-5948.	2.1	15
88	First-Principles Thermodynamics Study of Spinel MgAl ₂ O ₄ Surface Stability. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19087-19096.	1.5	38
89	Mo Doping Induced More Active Sites in Urchin-Like W ₁₈ O ₄₉ Nanostructure with Remarkably Enhanced Performance for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 5778-5786.	7.8	177
90	Balancing surface adsorption and diffusion of lithium-polysulfides on nonconductive oxides for lithium-sulfur battery design. <i>Nature Communications</i> , 2016, 7, 11203.	5.8	1,136

#	ARTICLE	IF	CITATIONS
91	Integrating cobalt phosphide and cobalt nitride-embedded nitrogen-rich nanocarbons: high-performance bifunctional electrocatalysts for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10575-10584.	5.2	141
92	CO oxidation over supported Pt clusters at different CO coverage. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 939-944.	1.0	10
93	Graphene Oxide Catalyzed C-H Bond Activation: The Importance of Oxygen Functional Groups for Biaryl Construction. <i>Angewandte Chemie</i> , 2016, 128, 3176-3180.	1.6	20
94	Graphene Oxide Catalyzed C-H Bond Activation: The Importance of Oxygen Functional Groups for Biaryl Construction (<i>Angew. Chem.</i> 9/2016). <i>Angewandte Chemie</i> , 2016, 128, 3290-3290.	1.6	3
95	Graphene Oxide Catalyzed C-H Bond Activation: The Importance of Oxygen Functional Groups for Biaryl Construction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3124-3128.	7.2	129
96	Mechanistic insights into the structure-dependent selectivity of catalytic furfural conversion on platinum catalysts. <i>AICHE Journal</i> , 2015, 61, 3812-3824.	1.8	53
97	Synergistic Effect of Nitrogen in Cobalt Nitride and Nitrogen-Doped Hollow Carbon Spheres for the Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2015, 7, 1826-1832.	1.8	62
98	In Situ Fabrication of PtCo Alloy Embedded in Nitrogen-Doped Graphene Nanopores as Synergistic Catalyst for Oxygen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500365.	1.9	21
99	Waste Tire Pyrolysis for the Production of Light Hydrocarbons over Layered Catalysts. <i>Energy Technology</i> , 2015, 3, 851-855.	1.8	12
100	Size-Dependent Electrocatalytic Reduction of CO_2 over Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 4288-4291.	6.6	929
101	Role of pretreatment with acid and base on the distribution of the products obtained via lignocellulosic biomass pyrolysis. <i>RSC Advances</i> , 2015, 5, 24984-24989.	1.7	28
102	Preparation and catalytic properties of Pd nanoparticles supported on micro-crystal DUT-67 MOFs. <i>RSC Advances</i> , 2015, 5, 32714-32719.	1.7	27
103	Synergistic effect of S,N-co-doped mesoporous carbon materials with high performance for oxygen-reduction reaction and Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20244-20253.	5.2	53
104	Effect of graphene with nanopores on metal clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24420-24426.	1.3	13
105	Transition of chemically modified diphenylalanine peptide assemblies revealed by atomic force microscopy. <i>RSC Advances</i> , 2014, 4, 7516.	1.7	13
106	A radar-like iron based nanohybrid as an efficient and stable electrocatalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6703-6707.	5.2	18
107	Pyridyne cycloaddition of graphene: active sites for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 897-901.	5.2	33
108	Synthesis, properties, and magnetism-structure relationship of lanthanide-based metal-organic frameworks with (ethylenedithio)acetic acid. <i>CrystEngComm</i> , 2014, 16, 6963.	1.3	16

#	ARTICLE	IF	CITATIONS
109	Additives initiate selective production of chemicals from biomass pyrolysis. <i>Bioresource Technology</i> , 2014, 156, 376-379.	4.8	7
110	Experimental, DFT and quantum Monte Carlo studies of a series of peptide-based metal-organic frameworks: synthesis, structures and properties. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 526-533.	3.0	10
111	Density functional theory study of <i>p</i> -chloroaniline adsorption on Pd surfaces and clusters. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 895-899.	1.0	6
112	Role of Phenolic Groups in the Stabilization of Palladium Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9783-9789.	1.8	28
113	Distinctions between Supported Au and Pt Catalysts for CO Oxidation: Insights from DFT Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21331-21336.	1.5	28
114	The effect of earth metal ion on the property of peptide-based metal-organic frameworks. <i>CrystEngComm</i> , 2013, 15, 5545.	1.3	12
115	Position of substituent dependent dimensionality in Ln-Cu heterometallic coordination polymers. <i>CrystEngComm</i> , 2012, 14, 679-683.	1.3	16
116	Water oxidation on N-doped TiO ₂ nanotube arrays. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2585-2590.	1.0	10
117	Brønsted-Evans-Polanyi Relations for H ₂ O ₂ Synthesis on Gold Surfaces. <i>Catalysis Letters</i> , 2012, 142, 601-607.	1.4	6
118	CO Oxidation by Lattice Oxygen on V ₂ O ₅ Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14806-14811.	1.5	19
119	Ionothermal Synthesis of Zirconium Phosphates and Their Catalytic Behavior in the Selective Oxidation of Cyclohexane. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2206-2209.	7.2	89
120	Point-Defect Mediated Bonding of Pt Clusters on (5,5) Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 890-893.	1.5	58