Yong-Quan Qu

List of Publications by Year in Descending Order

138 papers	10,351 citations	52 h-index	100 g-index
152 ext. papers	11,916 ext. citations	10.7 avg, IF	6.53 L-index

#	Paper	IF	Citations
138	Phytic acid-modified CeO as Ca inhibitor for a security reversal of tumor drug resistance.. *Nano Research*, **2022**, 1-10	10	2
137	Boosting Electrocatalytic Activity of Ru for Acidic Hydrogen Evolution through Hydrogen Spillover Strategy. *ACS Energy Letters*, **2022**, 7, 1330-1337	20.1	4
136	Atomic-level correlation between the electrochemical performance of an oxygen-evolving catalyst and the effects of CeO2 functionalization. *Nano Research*, **2022**, 15, 2994-3000	10	3
135	Direct transformation of fatty acid-derived monomers from dimer acid manufacturing into valuable bio-plasticizers with high plasticization and compatibilization. *Journal of Cleaner Production*, **2021**, 289, 125821	10.3	2
134	Electron-Enriched Pd Nanoparticles for Selective Hydrogenation of Halonitrobenzenes to Haloanilines. *Catalysts*, **2021**, 11, 543	4	2
133	Size-Controlled Synthesis of Pd Nanocatalysts on Defect-Engineered CeO for CO Hydrogenation. *ACS Applied Materials & Interfaces*, **2021**, 13, 24957-24965	9.5	9
132	Spatial intimacy of binary active-sites for selective sequential hydrogenation-condensation of nitriles into secondary imines. *Nature Communications*, **2021**, 12, 3382	17.4	3
131	A fundamental viewpoint on the hydrogen spillover phenomenon of electrocatalytic hydrogen evolution. *Nature Communications*, **2021**, 12, 3502	17.4	31
130	Single crystalline CeO2 nanotubes. *Nano Research*, **2021**, 14, 715-719	10	3
129	Insights into the Interfacial Lewis Acid-Base Pairs in CeO -Loaded CoS Electrocatalysts for Alkaline Hydrogen Evolution. *Small*, **2021**, 17, e2103018	11	7
128	Boosting selective hydrogenation through hydrogen spillover on supported-metal catalysts at room temperature. *Applied Catalysis B: Environmental*, **2021**, 297, 120418	21.8	12
127	Single crystal MnOOH nanotubes for selective oxidative coupling of anilines to aromatic azo compounds. *Journal of Materials Chemistry A*, **2021**, 9, 19692-19697	13	1
126	Overcoming the Deactivation of Pt/CNT by Introducing CeO2 for Selective Base-Free Glycerol-to-Glyceric Acid Oxidation. *ACS Catalysis*, **2020**, 10, 3832-3837	13.1	22
125	Temperature-responsive dissolution/recrystallization of Zn MOF enables the maximum efficiency and recyclability of catalysts. *Chemical Communications*, **2020**, 56, 1960-1963	5.8	3
124	Dual-Active-Sites Design of Co@C Catalysts for Ultrahigh Selective Hydrogenation of N-Heteroarenes. *CheM*, **2020**, 6, 2994-3006	16.2	18
123	Pyrite-type electrocatalysts for hydrogen evolution. *MRS Bulletin*, **2020**, 45, 555-561	3.2	1
122	A pH-Responsive Polymer-CeO Hybrid to Catalytically Generate Oxidative Stress for Tumor Therapy. *Small*, **2020**, 16, e2004654	11	16

121	Uniform small metal nanoparticles anchored on CeO2 nanorods driven by electroless chemical deposition. *Rare Metals*, **2020**, 39, 806-814	5.5	5
120	Effects of CeO2 geometry on corrosion resistance of epoxy coatings. *Surface Engineering*, **2020**, 36, 175-183	2.3	8
119	Interfacial metal-nitrogen units of NiCo/nitrogen-doped carbon for robust oxygen reduction reaction. *Carbon*, **2019**, 155, 545-552	10.4	21
118	Competitive adsorption on PtCo/CoBOx catalysts enables the selective hydrogen-reductive-imination of nitroarenes with aldehydes into imines. *Journal of Catalysis*, **2019**, 374, 72-81	7.3	11
117	Ethylene-glycol ligand environment facilitates highly efficient hydrogen evolution of Pt/CoP through proton concentration and hydrogen spillover. *Energy and Environmental Science*, **2019**, 12, 2298-2304	35.4	106
116	Hydrogen activation enabled by the interfacial frustrated Lewis pairs on cobalt borate nanosheets. *Journal of Catalysis*, **2019**, 372, 142-150	7.3	14
115	Engineering Surface Structure of Spinel Oxides via High-Valent Vanadium Doping for Remarkably Enhanced Electrocatalytic Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2019**, 11, 33012-33021	9.5	36
114	Chemical Doped Ternary and Quaternary Transition-Metal-Based Electrocatalysts for Hydrogen Evolution Reaction. *ChemCatChem*, **2019**, 11, 4998-5012	5.2	4
113	Cerium Phosphate as a Novel Cocatalyst Promoting NiCo2O4 Nanowire Arrays for Efficient and Robust Electrocatalytic Oxygen Evolution. *ACS Applied Energy Materials*, **2019**, 2, 5769-5776	6.1	17
112	Interfacial Frustrated Lewis Pairs of CeO Activate CO for Selective Tandem Transformation of Olefins and CO into Cyclic Carbonates. *Journal of the American Chemical Society*, **2019**, 141, 11353-11357	16.4	54
111	Two-step hydrothermally synthesized Ce1-xZrxO2 for oxidative dehydrogenation of ethylbenzene with carbon dioxide. *Journal of CO2 Utilization*, **2019**, 34, 99-107	7.6	6
110	Ce-doped CoS2 pyrite with weakened O2 adsorption suppresses catalyst leaching and stabilizes electrocatalytic H2 evolution. *Journal of Materials Chemistry A*, **2019**, 7, 17775-17781	13	19
109	Iridium-Chromium Oxide Nanowires as Highly Performed OER Catalysts in Acidic Media. *ChemCatChem*, **2019**, 11, 6008-6014	5.2	23
108	Catalytically Selective Chemotherapy from Tumor-Metabolic Generated Lactic Acid. *Small*, **2019**, 15, e1903746	13	27
107	Photolyase-Like Catalytic Behavior of CeO. *Nano Letters*, **2019**, 19, 8270-8277	11.5	34
106	Phosphatase-like Activity of Porous Nanorods of CeO for the Highly Stabilized Dephosphorylation under Interferences. *ACS Applied Materials & Interfaces*, **2019**, 11, 195-201	9.5	47
105	Size-Dependent Adsorption of Styrene on Pd Clusters: A Density Functional Theory Study. *Journal of Physical Chemistry C*, **2019**, 123, 2182-2188	3.8	8
104	Tribological behavior and characterization analysis of modified nano-CeO2 filled oily diatomite/PVDF composites. *Tribology International*, **2019**, 130, 299-307	4.9	11

103	Regulating the surface of nanoceria and its applications in heterogeneous catalysis. *Surface Science Reports*, **2018**, 73, 1-36	12.9	95
102	Strong electronic metal-support interaction of Pt/CeO2 enables efficient and selective hydrogenation of quinolines at room temperature. *Journal of Catalysis*, **2018**, 359, 101-111	7.3	95
101	Comprehensive Understanding of the Spatial Configurations of CeO2 in NiO for the Electrocatalytic Oxygen Evolution Reaction: Embedded or Surface-Loaded. *Advanced Functional Materials*, **2018**, 28, 1706056	15.6	99
100	Catalytic Behavior of Graphene Oxides for Converting CO2 into Cyclic Carbonates at One Atmospheric Pressure. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4204-4211	8.3	27
99	Amine-Modulated/Engineered Interfaces of NiMo Electrocatalysts for Improved Hydrogen Evolution Reaction in Alkaline Solutions. *ACS Applied Materials & Interfaces*, **2018**, 10, 1728-1733	9.5	45
98	Wavelet analysis of extended X-ray absorption fine structure data: Theory, application. *Physica B: Condensed Matter*, **2018**, 542, 12-19	2.8	60
97	Carbon-assisted conversion reaction-based oxide nanomaterials for lithium-ion batteries. *Sustainable Energy and Fuels*, **2018**, 2, 1124-1140	5.8	25
96	Selective Semihydrogenation of Phenylacetylene to Styrene Catalyzed by Alloyed Palladium/Gold Catalysts Anchored on Cerium Oxide. *ChemNanoMat*, **2018**, 4, 472-476	3.5	9
95	Manipulating Doping of Organic Semiconductors by Reactive Oxygen for Field-Effect Transistors. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800297	2.5	7
94	Dual-responsive dithio-polydopamine coated porous CeO nanorods for targeted and synergistic drug delivery. *International Journal of Nanomedicine*, **2018**, 13, 2161-2173	7.3	31
93	Facile synthesis of highly-dispersed Pt/CeO2 by a spontaneous surface redox chemical reaction for CO oxidation. *Catalysis Science and Technology*, **2018**, 8, 3233-3237	5.5	24
92	Phosphorus-Doped MoS2 Nanosheets Supported on Carbon Cloths as Efficient Hydrogen-Generation Electrocatalysts. *ChemCatChem*, **2018**, 10, 1571-1577	5.2	36
91	Understanding All-Solid Frustrated-Lewis-Pair Sites on CeO2 from Theoretical Perspectives. *ACS Catalysis*, **2018**, 8, 546-554	13.1	80
90	In Situ Formation of Isolated Bimetallic PtCe Sites of Single-Dispersed Pt on CeO for Low-Temperature CO Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 38134-38140	9.5	38
89	Semi-solid and solid frustrated Lewis pair catalysts. *Chemical Society Reviews*, **2018**, 47, 5541-5553	58.5	52
88	Tuning chemical compositions of bimetallic AuPd catalysts for selective catalytic hydrogenation of halogenated quinolines. *Journal of Materials Chemistry A*, **2017**, 5, 3260-3266	13	33
87	Graphene and Their Hybrid Electrocatalysts for Water Splitting. *ChemCatChem*, **2017**, 9, 1554-1568	5.2	58
86	Towards highly active Pd/CeO for alkene hydrogenation by tuning Pd dispersion and surface properties of the catalysts. *Nanoscale*, **2017**, 9, 3140-3149	7.7	28

85	Unveiling a Key Intermediate in Solvent Vapor Postannealing to Enlarge Crystalline Domains of Organometal Halide Perovskite Films. *Advanced Functional Materials*, **2017**, 27, 1604944	15.6	86
84	Additive-Free, Robust H2 Production from H2O and DMF by Dehydrogenation Catalyzed by Cu/Cu2O Formed In Situ. *Angewandte Chemie*, **2017**, 129, 8357-8361	3.6	6
83	Additive-Free, Robust H Production from H O and DMF by Dehydrogenation Catalyzed by Cu/Cu O Formed In Situ. *Angewandte Chemie - International Edition*, **2017**, 56, 8245-8249	16.4	18
82	Synergistic and targeted drug delivery based on nano-CeO capped with galactose functionalized pillar[5]arene via host-guest interactions. *Journal of Materials Chemistry B*, **2017**, 5, 3483-3487	7.3	34
81	CsPbBr3 perovskite nanocrystals as highly selective and sensitive spectrochemical probes for gaseous HCl detection. *Journal of Materials Chemistry C*, **2017**, 5, 309-313	7.1	62
80	Solid frustrated-Lewis-pair catalysts constructed by regulations on surface defects of porous nanorods of CeO. *Nature Communications*, **2017**, 8, 15266	17.4	160
79	Quantitatively Intrinsic Biomimetic Catalytic Activity of Nanocerias as Radical Scavengers and Their Ability against HO and Doxorubicin-Induced Oxidative Stress. *ACS Applied Materials & Interfaces*, **2017**, 9, 23342-23352	9.5	30
78	Modulating electronic structure of CoP electrocatalysts towards enhanced hydrogen evolution by Ce chemical doping in both acidic and basic media. *Nano Energy*, **2017**, 38, 290-296	17.1	142
77	Quaternary pyrite-structured nickel/cobalt phosphosulfide nanowires on carbon cloth as efficient and robust electrodes for water electrolysis. *Nano Research*, **2017**, 10, 814-825	10	57
76	Integration of inverse nanocone array based bismuth vanadate photoanodes and bandgap-tunable perovskite solar cells for efficient self-powered solar water splitting. *Journal of Materials Chemistry A*, **2017**, 5, 19091-19097	13	33
75	Pressure Regulations on the Surface Properties of CeO2 Nanorods and Their Catalytic Activity for CO Oxidation and Nitrile Hydrolysis Reactions. *ACS Applied Materials & Interfaces*, **2016**, 8, 22988-96	9.5	37
74	FeOx@carbon yolk/shell nanowires with tailored void spaces as stable and high-capacity anodes for lithium ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 12487-12496	13	38
73	Hierarchical Dual-Scaffolds Enhance Charge Separation and Collection for High Efficiency Semitransparent Perovskite Solar Cells. *Advanced Materials Interfaces*, **2016**, 3, 1600484	4.6	34
72	Influence of fluorination on the properties and performance of isoindigo□quaterthiophene-based polymers. *Journal of Materials Chemistry A*, **2016**, 4, 5039-5043	13	31
71	High Catalytic Activity and Chemoselectivity of Sub-nanometric Pd Clusters on Porous Nanorods of CeO2 for Hydrogenation of Nitroarenes. *Journal of the American Chemical Society*, **2016**, 138, 2629-37	16.4	291
70	Morphology Evolution of Tin-Based Oxide Hierarchical Structures Synthesized by Molten Salt Approach and Their Applications as Anode for Lithium Ion Battery. *Crystal Growth and Design*, **2016**, 16, 34-41	3.5	11
69	Hierarchical NiMo-based 3D electrocatalysts for highly-efficient hydrogen evolution in alkaline conditions. *Nano Energy*, **2016**, 27, 247-254	17.1	143
68	Thermally stable sandwich-type catalysts of Pt nanoparticles encapsulated in CeO2 nanorod/CeO2 nanoparticle core/shell supports for methane oxidation at high temperatures. *RSC Advances*, **2016**, 6, 40323-40329	3.7	8

67	Highly Efficient and Robust Nickel Phosphides as Bifunctional Electrocatalysts for Overall Water-Splitting. *ACS Applied Materials & Interfaces*, **2016**, 8, 10826-34	9.5	162
66	One-Dimensional Silicon Nanowire Composites for Photocatalysis. *World Scientific Series in Nanoscience and Nanotechnology*, **2016**, 57-80	0.1	1
65	Mechanistic Insights on Ternary Ni2CoxP for Hydrogen Evolution and Their Hybrids with Graphene as Highly Efficient and Robust Catalysts for Overall Water Splitting. *Advanced Functional Materials*, **2016**, 26, 6785-6796	15.6	422
64	Structural influence of porous FeOx@C nanorods on their performance as anodes of lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 18649-18656	13	16
63	Pt/porous nanorods of ceria as efficient high temperature catalysts with remarkable catalytic stability for carbon dioxide reforming of methane. *Journal of Materials Chemistry A*, **2015**, 3, 18074-18082	13	21
62	Facile synthesis of CoX (X = S, P) as an efficient electrocatalyst for hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2015**, 3, 13066-13071	13	58
61	Visible-Light-Activated SuzukiMiyaura Coupling Reactions of Aryl Chlorides over the Multifunctional Pd/Au/Porous Nanorods of CeO2 Catalysts. *ACS Catalysis*, **2015**, 5, 6481-6488	13.1	98
60	Origin of the Different Photoelectrochemical Performance of Mesoporous BiVO4 Photoanodes between the BiVO4 and the FTO Side Illumination. *Journal of Physical Chemistry C*, **2015**, 119, 23350-23357	3.8	58
59	Terthiophene-based D-A polymer with an asymmetric arrangement of alkyl chains that enables efficient polymer solar cells. *Journal of the American Chemical Society*, **2015**, 137, 14149-57	16.4	358
58	Protection strategy for improved catalytic stability of silicon photoanodes for water oxidation. *Science Bulletin*, **2015**, 60, 1395-1402	10.6	27
57	Hollow Fluffy Co3O4 Cages as Efficient Electroactive Materials for Supercapacitors and Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2015**, 7, 20322-31	9.5	129
56	A bottom-up synthesis of Fe2O3 nanoaggregates and their composites with graphene as high performance anodes in lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 2158-2165	13	41
55	Ultrathin porous Co3O4 nanoplates as highly efficient oxygen evolution catalysts. *Journal of Materials Chemistry A*, **2015**, 3, 8107-8114	13	82
54	3D graphene/nylon rope as a skeleton for noble metal nanocatalysts for highly efficient heterogeneous continuous-flow reactions. *Journal of Materials Chemistry A*, **2015**, 3, 10504-10511	13	27
53	Highly sensitive and robust peroxidase-like activity of porous nanorods of ceria and their application for breast cancer detection. *Biomaterials*, **2015**, 59, 116-24	15.6	173
52	Surface engineering on CeOnanorods by chemical redox etching and their enhanced catalytic activity for CO oxidation. *Nanoscale*, **2015**, 7, 11686-91	7.7	113
51	Insights into the effects of surface properties of oxides on the catalytic activity of Pd for C-C coupling reactions. *Nanoscale*, **2015**, 7, 3016-21	7.7	33
50	Synergistically enhanced activity of graphene quantum dot/multi-walled carbon nanotube composites as metal-free catalysts for oxygen reduction reaction. *Nanoscale*, **2014**, 6, 2603-7	7.7	95

49	Integration of molecular and enzymatic catalysts on graphene for biomimetic generation of antithrombotic species. *Nature Communications*, **2014**, 5, 3200	17.4	83
48	Silver nanoparticles protected by monolayer graphene as a stabilized substrate for surface enhanced Raman spectroscopy. *Carbon*, **2014**, 66, 713-719	10.4	106
47	Low pressure induced porous nanorods of ceria with high reducibility and large oxygen storage capacity: synthesis and catalytic applications. *Journal of Materials Chemistry A*, **2014**, 2, 16459-16466	13	79
46	One-step synthesis of multi-walled carbon nanotubes/ultra-thin Ni(OH)2 nanoplate composite as efficient catalysts for water oxidation. *Journal of Materials Chemistry A*, **2014**, 2, 11799-11806	13	110
45	Repeatable fluorescence switcher of Eu3+-doped CeO2 nanorods by L(+)-ascorbic acid and hydrogen peroxide. *Journal of Materials Chemistry C*, **2014**, 2, 8729-8735	7.1	20
44	Strong enhancement of phonon scattering through nanoscale grains in lead sulfide thermoelectrics. *NPG Asia Materials*, **2014**, 6, e108-e108	10.3	119
43	Interfacial effects of the CuO/GO composite to mediate the side reactions of N,N-dimethylformamide fragments. *ACS Applied Materials & Interfaces*, **2014**, 6, 22174-82	9.5	10
42	Surface engineering of one-dimensional tin oxide nanostructures for chemical sensors. *Mikrochimica Acta*, **2013**, 180, 1181-1200	5.8	20
41	Progress, challenge and perspective of heterogeneous photocatalysts. *Chemical Society Reviews*, **2013**, 42, 2568-80	58.5	1056
40	High performance amorphous ZnMgO/carbon nanotube composite thin-film transistors with a tunable threshold voltage. *Nanoscale*, **2013**, 5, 2830-4	7.7	8
39	Enhanced single strand breaks of supercoiled DNA in a matrix of gold nanotubes under X-ray irradiation. *Journal of Colloid and Interface Science*, **2012**, 378, 70-6	9.3	11
38	A simple approach towards uniform spherical Ag-like nanoparticles. *Nanoscale*, **2012**, 4, 3036-9	7.7	9
37	A systematic study of atmospheric pressure chemical vapor deposition growth of large-area monolayer graphene. *Journal of Materials Chemistry*, **2012**, 22, 1498-1503		66
36	Towards highly efficient photocatalysts using semiconductor nanoarchitectures. *Energy and Environmental Science*, **2012**, 5, 6732	35.4	335
35	One-dimensional homogeneous and heterogeneous nanowires for solar energy conversion. *Journal of Materials Chemistry*, **2012**, 22, 16171		47
34	Graphene-Supported Hemin as a Highly Active Biomimetic Oxidation Catalyst. *Angewandte Chemie*, **2012**, 124, 3888-3891	3.6	71
33	Innenr□ktitelbild: Graphene-Supported Hemin as a Highly Active Biomimetic Oxidation Catalyst (Angew. Chem. 16/2012). *Angewandte Chemie*, **2012**, 124, 4045-4045	3.6	
32	Graphene-supported hemin as a highly active biomimetic oxidation catalyst. *Angewandte Chemie - International Edition*, **2012**, 51, 3822-5	16.4	275

31	Inside Back Cover: Graphene-Supported Hemin as a Highly Active Biomimetic Oxidation Catalyst (Angew. Chem. Int. Ed. 16/2012). *Angewandte Chemie - International Edition*, **2012**, 51, 3975-3975	16.4	
30	Aerosolization System for Experimental Inhalation Studies of Carbon-Based Nanomaterials. *Aerosol Science and Technology*, **2012**, 46, 94-107	3.4	5
29	Unveiling the formation pathway of single crystalline porous silicon nanowires. *ACS Applied Materials & Interfaces*, **2011**, 3, 261-70	9.5	142
28	Plasmonic enhancements of photocatalytic activity of Pt/n-Si/Ag photodiodes using Au/Ag core/shell nanorods. *Journal of the American Chemical Society*, **2011**, 133, 16730-3	16.4	114
27	pH-Operated mechanized porous silicon nanoparticles. *Journal of the American Chemical Society*, **2011**, 133, 8798-801	16.4	135
26	Porous silicon nanowires. *Nanoscale*, **2011**, 3, 4060-8	7.7	117
25	Synthesis and electric properties of dicobalt silicide nanobelts. *Chemical Communications*, **2011**, 47, 1255-7	5.8	14
24	High-speed graphene transistors with a self-aligned nanowire gate. *Nature*, **2010**, 467, 305-8	50.4	1031
23	Single-layer graphene on Al2O3/Si substrate: better contrast and higher performance of graphene transistors. *Nanotechnology*, **2010**, 21, 015705	3.4	78
22	High-kappa oxide nanoribbons as gate dielectrics for high mobility top-gated graphene transistors. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6711-5	11.5	161
21	Probing Site Activity of Monodisperse Pt Nanoparticle Catalysts Using Steam Reforming of Methane. *Journal of Physical Chemistry Letters*, **2010**, 1, 254-259	6.4	17
20	Photocatalytic Properties of Porous Silicon Nanowires. *Journal of Materials Chemistry*, **2010**, 20, 3590-3594		112
19	Sub-100 nm channel length graphene transistors. *Nano Letters*, **2010**, 10, 3952-6	11.5	145
18	Rational design and synthesis of freestanding photoelectric nanodevices as highly efficient photocatalysts. *Nano Letters*, **2010**, 10, 1941-9	11.5	59
17	Heterointegration of Pt/Si/Ag Nanowire Photodiodes and Their Photocatalytic Properties. *Advanced Functional Materials*, **2010**, 20, 3005-3011	15.6	27
16	High-performance top-gated graphene-nanoribbon transistors using zirconium oxide nanowires as high-dielectric-constant gate dielectrics. *Advanced Materials*, **2010**, 22, 1941-5	24	120
15	Plasmonic Modulation of the Upconversion Fluorescence in NaYF4:Yb/Tm Hexaplate Nanocrystals Using Gold Nanoparticles or Nanoshells. *Angewandte Chemie*, **2010**, 122, 2927-2930	3.6	78
14	Plasmonic modulation of the upconversion fluorescence in NaYF4 :Yb/Tm hexaplate nanocrystals using gold nanoparticles or nanoshells. *Angewandte Chemie - International Edition*, **2010**, 49, 2865-8	16.4	317

13	Electrically conductive and optically active porous silicon nanowires. *Nano Letters*, **2009**, 9, 4539-43	11.5	303
12	Carbon Dioxide Reforming of Methane by Ni/Co Nanoparticle Catalysts Immobilized on Single-Walled Carbon Nanotubes. *Energy & Fuels*, **2008**, 22, 2183-2187	4.1	20
11	Recognition of melting of nanoparticle catalysts with cubically shaped Co3O4 nanoparticles. *Journal of Colloid and Interface Science*, **2008**, 321, 251-5	9.3	5
10	Nanoscale energy deposition by X-ray absorbing nanostructures. *Journal of Physical Chemistry B*, **2007**, 111, 11622-5	3.4	178
9	Synthesis of tubular gold and silver nanoshells using silica nanowire core templates. *Langmuir*, **2006** , 22, 6367-74	4	42
8	Silica nanocoils. *Journal of Physical Chemistry B*, **2006**, 110, 8296-301	3.4	22
7	Surface modification of gold nanotubules via microwave radiation, sonication and chemical etching. *Chemical Physics Letters*, **2006**, 432, 195-199	2.5	6
6	Silicon-based nanowires from silicon wafers catalyzed by cobalt nanoparticles in a hydrogen environment. *Chemical Communications*, **2005**, 2274-6	5.8	24
5	Theoretical investigations on CH2CH□H2OH on the Si(100)-2□1 and Ge(100)-2□1 surfaces. *Surface Science*, **2005**, 586, 45-55	1.8	16
4	Quantum chemical study of surface reactions of glycine on the Si(100)-2□1 surface. *Surface Science*, **2004**, 569, 12-22	1.8	30
3	Theoretical Studies of Benzonitrile at the Si(100)-2□1 Surface. *Journal of Physical Chemistry B*, **2004**, 108, 8305-8310	3.4	18
2	Dissociative Adsorption of Methylsilane on the Si(100)-2 □1 Surface. *Journal of Physical Chemistry B* , **2004**, 108, 15103-15109	3.4	11
1	Structures of Semiconductor Surfaces and Origins of Surface Reactivity with Organic Molecules27-49		