

# Zhenyu Sun

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151  
papers

14,644  
citations

53  
h-index

120  
g-index

161  
ext. papers

16,730  
ext. citations

8.5  
avg, IF

6.52  
L-index

#	Paper	IF	Citations
151	Engineering vacancy and hydrophobicity of two-dimensional TaTe for efficient and stable electrocatalytic N reduction.. <i>Innovation(China)</i> , <b>2022</b> , 3, 100190	17.8	5
150	Single atom and defect engineering of CuO for efficient electrochemical reduction of CO <sub>2</sub> to C <sub>2</sub> H <sub>4</sub> . <i>SmartMat</i> , <b>2022</b> , 3, 194-205	22.8	1
149	Integration of ultrafine CuO nanoparticles with two-dimensional MOFs for enhanced electrochemical CO <sub>2</sub> reduction to ethylene. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 1049-1057	11.3	4
148	Interface engineered Sb <sub>2</sub> O <sub>3</sub> /W <sub>18</sub> O <sub>49</sub> heterostructure for enhanced visible-light-driven photocatalytic N <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , <b>2022</b> , 438, 135485	14.7	2
147	Cadmium-based metal-organic frameworks for high-performance electrochemical CO <sub>2</sub> reduction to CO over wide potential range. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> ,	3.2	1
146	Enhanced electrochemical CO <sub>2</sub> reduction to ethylene over CuO by synergistically tuning oxygen vacancies and metal doping. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100356	6.1	15
145	Facile synthesis of two-dimensional copper terephthalate for efficient electrocatalytic CO <sub>2</sub> reduction to ethylene. <i>Journal of Experimental Nanoscience</i> , <b>2021</b> , 16, 247-255	1.9	2
144	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. <i>Chem</i> , <b>2021</b> , 7, 1708-1754	16.254	70
143	Earth-abundant coal-derived carbon nanotube/carbon composites as efficient bifunctional oxygen electrocatalysts for rechargeable zinc-air batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 56, 87-97	12	15
142	Improving the performance of metal-organic frameworks for thermo-catalytic CO <sub>2</sub> conversion: Strategies and perspectives. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1903-1920	11.3	11
141	Highly stable two-dimensional bismuth metal-organic frameworks for efficient electrochemical reduction of CO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119241	21.8	53
140	Application of two-dimensional materials for electrochemical carbon dioxide reduction <b>2020</b> , 289-326		
139	An efficient pH-universal electrocatalyst for oxygen reduction: defect-rich graphitized carbon shell wrapped cobalt within hierarchical porous N-doped carbon aerogel. <i>Materials Today Energy</i> , <b>2020</b> , 17, 100452	7	11
138	A Miracle Metal@Zeolite for Selective Conversion of Syngas to Ethanol. <i>Chem</i> , <b>2020</b> , 6, 546-548	16.2	1
137	Achieving Highly Selective Electrocatalytic CO <sub>2</sub> Reduction by Tuning CuO-Sb <sub>2</sub> O <sub>3</sub> Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 4948-4954	8.3	16
136	Two-dimensional materials for energy conversion and storage. <i>Progress in Materials Science</i> , <b>2020</b> , 111, 100637	42.2	73
135	Photocatalytic Reduction of CO <sub>2</sub> by Metal-Free-Based Materials: Recent Advances and Future Perspective. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900546	7.1	90

134	Metal-Tuned W18O49 for Efficient Electrocatalytic N <sub>2</sub> Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2957-2963	8.3	23
133	Trace metals dramatically boost oxygen electrocatalysis of N-doped coal-derived carbon for zinc-air batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 9628-9639	7.7	10
132	Electrocatalytic CO <sub>2</sub> Reduction to Ethylene over CeO <sub>2</sub> -Supported Cu Nanoparticles: Effect of Exposed Facets of CeO <sub>2</sub> . <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 2009023-0	3.8	3
131	Activation of Ni Particles into Single Ni <sup>II</sup> Atoms for Efficient Electrochemical Reduction of CO <sub>2</sub> . <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903068	21.8	111
130	Reduced graphene oxides with engineered defects enable efficient electrochemical reduction of dinitrogen to ammonia in wide pH range. <i>Nano Energy</i> , <b>2020</b> , 68, 104323	17.1	43
129	Surface-engineered oxidized two-dimensional Sb for efficient visible light-driven N <sub>2</sub> fixation. <i>Nano Energy</i> , <b>2020</b> , 78, 105368	17.1	21
128	Recent Advances in Electrode Materials for Electrochemical CO <sub>2</sub> Reduction. <i>ACS Symposium Series</i> , <b>2020</b> , 49-91	0.4	0
127	Single yttrium sites on carbon-coated TiO for efficient electrocatalytic N reduction. <i>Chemical Communications</i> , <b>2020</b> , 56, 10910-10913	5.8	15
126	Stabilization of Cu <sup>+</sup> by tuning a CuO/CeO <sub>2</sub> interface for selective electrochemical CO <sub>2</sub> reduction to ethylene. <i>Green Chemistry</i> , <b>2020</b> , 22, 6540-6546	10	34
125	Single Sb sites for efficient electrochemical CO reduction. <i>Chemical Communications</i> , <b>2019</b> , 55, 12024-12027	9.27	38
124	Efficient visible-light driven N fixation over two-dimensional Sb/TiO composites. <i>Chemical Communications</i> , <b>2019</b> , 55, 7171-7174	5.8	31
123	A N, P Dual-Doped Carbon with High Porosity as an Advanced Metal-Free Oxygen Reduction Catalyst. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900592	4.6	21
122	Oxygen vacancy enables electrochemical N <sub>2</sub> fixation over WO <sub>3</sub> with tailored structure. <i>Nano Energy</i> , <b>2019</b> , 62, 869-875	17.1	94
121	Synthesis of Fe <sub>2</sub> O <sub>3</sub> loaded porous g-C <sub>3</sub> N <sub>4</sub> photocatalyst for photocatalytic reduction of dinitrogen to ammonia. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 572-579	14.7	99
120	Highly Porous Metalloporphyrin Covalent Ionic Frameworks with Well-Defined Cooperative Functional Groups as Excellent Catalysts for CO Cycloaddition. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9052-9059	4.8	27
119	High-yield production of few-layer boron nanosheets for efficient electrocatalytic N reduction. <i>Chemical Communications</i> , <b>2019</b> , 55, 4246-4249	5.8	71
118	Understanding the Antifouling Mechanism of Zwitterionic Monomer-Grafted Polyvinylidene Difluoride Membranes: A Comparative Experimental and Molecular Dynamics Simulation Study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14408-14417	9.5	29
117	Liquid Exfoliation of Two-Dimensional PbI <sub>2</sub> Nanosheets for Ultrafast Photonics. <i>ACS Photonics</i> , <b>2019</b> , 6, 1051-1057	6.3	20

116	Graphene-based materials for electrochemical CO <sub>2</sub> reduction. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2019</b> , 30, 168-188	1.8	57
115	Graphene and its Hybrids for Photocatalysis. <i>Current Graphene Science</i> , <b>2019</b> , 2, 79-96	0.7	1
114	Efficient Electrochemical Reduction of CO <sub>2</sub> by Ni <sub>2</sub> C Catalysts with Tunable Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 15030-15035	8.3	25
113	ZIF-67-Derived Cobalt/Nitrogen-Doped Carbon Composites for Efficient Electrocatalytic N <sub>2</sub> Reduction. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 6071-6077	6.1	34
112	Activated TiO <sub>2</sub> with tuned vacancy for efficient electrochemical nitrogen reduction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 257, 117896	21.8	130
111	Efficient bifunctional Co/N dual-doped carbon electrocatalysts for oxygen reduction and evolution reaction. <i>Carbon</i> , <b>2019</b> , 153, 575-584	10.4	42
110	Supercritical Fluid-Facilitated Exfoliation and Processing of 2D Materials. <i>Advanced Science</i> , <b>2019</b> , 6, 1901084	10.8	42
109	Boosting ion dynamics through superwetable leaf-like film based on porous g-C <sub>3</sub> N <sub>4</sub> nanosheets for ionogel supercapacitors. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	30
108	Photocatalytic Fixation of Nitrogen to Ammonia by Single Ru Atom Decorated TiO <sub>2</sub> Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 6813-6820	8.3	85
107	Synergistic catalysis of CuO/InO composites for highly selective electrochemical CO reduction to CO. <i>Chemical Communications</i> , <b>2019</b> , 55, 12380-12383	5.8	18
106	Atomically Dispersed Nickel Sites for Selective Electroreduction of CO <sub>2</sub> . <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 8836-8842	6.1	9
105	Ultrasound-Assisted Nitrogen and Boron Codoping of Graphene Oxide for Efficient Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3434-3442	8.3	27
104	Nitrogen Fixation by Ru Single-Atom Electrocatalytic Reduction. <i>Chem</i> , <b>2019</b> , 5, 204-214	16.2	501
103	Single-atom catalysis for electrochemical CO <sub>2</sub> reduction. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2019</b> , 16, 1-6	7.9	49
102	Entrapped Single Tungstate Site in Zeolite for Cooperative Catalysis of Olefin Metathesis with Brønsted Acid Site. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6661-6667	16.4	50
101	Supercritical diethylamine facilitated loading of ultrafine Ru particles on few-layer graphene for solvent-free hydrogenation of levulinic acid to Valerolactone. <i>Nanotechnology</i> , <b>2018</b> , 29, 075708	3.4	3
100	Nitrogen-doped and nanostructured carbons with high surface area for enhanced oxygen reduction reaction. <i>Carbon</i> , <b>2018</b> , 126, 111-118	10.4	48
99	Lignosulfonate biomass derived N and S co-doped porous carbon for efficient oxygen reduction reaction. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 1820-1827	5.8	26

98	Tuning the Pd-catalyzed electroreduction of CO <sub>2</sub> to CO with reduced overpotential. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 3894-3900	5.5	20
97	New solvent-stabilized few-layer black phosphorus for antibacterial applications. <i>Nanoscale</i> , <b>2018</b> , 10, 12543-12553	7.7	56
96	Heterogeneous Catalysis of CO <sub>2</sub> Hydrogenation to C <sub>2</sub> + Products. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2018</b> , 34, 858-872	3.8	32
95	Katalyse der Kohlenstoffdioxid-Photoreduktion an Nanoschichten: Grundlagen und Herausforderungen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7734-7752	3.6	19
94	Catalysis of Carbon Dioxide Photoreduction on Nanosheets: Fundamentals and Challenges. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7610-7627	16.4	242
93	Doping palladium with tellurium for the highly selective electrocatalytic reduction of aqueous CO to CO. <i>Chemical Science</i> , <b>2018</b> , 9, 483-487	9.4	73
92	Carbon-supported Ni nanoparticles for efficient CO electroreduction. <i>Chemical Science</i> , <b>2018</b> , 9, 8775-8780	9.4	116
91	Simple synthesis of two-dimensional MoP <sub>2</sub> nanosheets for efficient electrocatalytic hydrogen evolution. <i>Electrochemistry Communications</i> , <b>2018</b> , 97, 27-31	5.1	8
90	Electrochemical CO <sub>2</sub> reduction to C <sub>2</sub> + species: Heterogeneous electrocatalysts, reaction pathways, and optimization strategies. <i>Materials Today Energy</i> , <b>2018</b> , 10, 280-301	7	107
89	High-efficiency mixing process in secondary rotating stream. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 807-814	14.7	2
88	N-Doping of graphene oxide at low temperature for the oxygen reduction reaction. <i>Chemical Communications</i> , <b>2017</b> , 53, 873-876	5.8	100
87	Two-dimensional nanosheets for electrocatalysis in energy generation and conversion. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7257-7284	13	186
86	Heterogeneous electrochemical CO reduction using nonmetallic carbon-based catalysts: current status and future challenges. <i>Nanotechnology</i> , <b>2017</b> , 28, 472001	3.4	57
85	Fundamentals and Challenges of Electrochemical CO <sub>2</sub> Reduction Using Two-Dimensional Materials. <i>CheM</i> , <b>2017</b> , 3, 560-587	16.2	513
84	Graphene/Porous Beta TiO <sub>2</sub> Nanocomposites Prepared Through a Simple Hydrothermal Method. <i>Current Graphene Science</i> , <b>2017</b> , 1,	0.7	3
83	Nonlinear Absorption Induced Transparency and Optical Limiting of Black Phosphorus Nanosheets. <i>ACS Photonics</i> , <b>2017</b> , 4, 3063-3070	6.3	61
82	Exfoliation of Stable 2D Black Phosphorus for Device Fabrication. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6445-6456	9.45	54
81	Scalable exfoliation and dispersion of two-dimensional materials - an update. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 921-960	3.6	214

80	Amorphous Cobalt Boride (Co <sub>2</sub> B) as a Highly Efficient Nonprecious Catalyst for Electrochemical Water Splitting: Oxygen and Hydrogen Evolution. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502313	21.8	539
79	Hydrazine-Assisted Liquid Exfoliation of MoS <sub>2</sub> for Catalytic Hydrodeoxygenation of 4-Methylphenol. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2910-4	4.8	44
78	Few-layer graphene modified with nitrogen-rich metallo-macrocyclic complexes as precursor for bifunctional oxygen electrocatalysts. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 1191-1199	6.7	15
77	Demonstrating the steady performance of iron oxide composites over 2000 cycles at fast charge-rates for Li-ion batteries. <i>Chemical Communications</i> , <b>2016</b> , 52, 7348-51	5.8	16
76	Liquid-phase exfoliation of graphite for mass production of pristine few-layer graphene. <i>Current Opinion in Colloid and Interface Science</i> , <b>2015</b> , 20, 311-321	7.6	79
75	One-Pot Synthesis of Carbon-Coated Nanostructured Iron Oxide on Few-Layer Graphene for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16154-61	4.8	11
74	High-quality functionalized few-layer graphene: facile fabrication and doping with nitrogen as a metal-free catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15444-15450	13.50	48
73	Hollow and yolk-shell iron oxide nanostructures on few-layer graphene in Li-ion batteries. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 2022-30	4.8	36
72	A carbon-coated TiO <sub>2</sub> (B) nanosheet composite for lithium ion batteries. <i>Chemical Communications</i> , <b>2014</b> , 50, 5506-9	5.8	41
71	High-concentration graphene dispersions with minimal stabilizer: a scaffold for enzyme immobilization for glucose oxidation. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5752-61	4.8	38
70	Amine-based solvents for exfoliating graphite to graphene outperform the dispersing capacity of N-methyl-pyrrolidone and surfactants. <i>Chemical Communications</i> , <b>2014</b> , 50, 10382-5	5.8	30
69	Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen Mn <sub>x</sub> O <sub>y</sub> /NC- und Co <sub>x</sub> O <sub>y</sub> /NC-Nanopartikeln für leistungsffähige bifunktionale Sauerstoffelektroden. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8648-8652	3.6	64
68	Rücktitelbild: Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen Mn <sub>x</sub> O <sub>y</sub> /NC- und Co <sub>x</sub> O <sub>y</sub> /NC-Nanopartikeln für leistungsffähige bifunktionale Sauerstoffelektroden (Angew. Chem. 32/2014). <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8664-8664	3.6	2
67	Mn <sub>(x)</sub> O <sub>(y)</sub> /NC and Co <sub>(x)</sub> O <sub>(y)</sub> /NC nanoparticles embedded in a nitrogen-doped carbon matrix for high-performance bifunctional oxygen electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8508-12	16.4	432
66	High-yield exfoliation of graphite in acrylate polymers: A stable few-layer graphene nanofluid with enhanced thermal conductivity. <i>Carbon</i> , <b>2013</b> , 64, 288-294	10.4	63
65	Trace metal residues promote the activity of supposedly metal-free nitrogen-modified carbon catalysts for the oxygen reduction reaction. <i>Electrochemistry Communications</i> , <b>2013</b> , 34, 113-116	5.1	120
64	Ag-stabilized few-layer graphene dispersions in low boiling point solvents for versatile nonlinear optical applications. <i>Carbon</i> , <b>2013</b> , 62, 182-192	10.4	34
63	Nanostructured Few-Layer Graphene with Superior Optical Limiting Properties Fabricated by a Catalytic Steam Etching Process. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 11811-11817	3.8	26

62	Rapid and Surfactant-Free Synthesis of Bimetallic PtCu Nanoparticles Simply via Ultrasound-Assisted Redox Replacement. <i>ACS Catalysis</i> , <b>2012</b> , 2, 1647-1653	13.1	50
61	One-pot solvothermal method to synthesize platinum/W18O49 ultrafine nanowires and their catalytic performance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3354		23
60	Ionic liquid-stabilized graphene and its use in immobilizing a metal nanocatalyst. <i>RSC Advances</i> , <b>2012</b> , 2, 8189	3.7	29
59	Highly concentrated aqueous dispersions of graphene exfoliated by sodium taurodeoxycholate: dispersion behavior and potential application as a catalyst support for the oxygen-reduction reaction. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6972-8	4.8	69
58	Controllable synthesis of titania/reduced graphite oxide nanocomposites with various titania phase compositions and their photocatalytic performance. <i>Science China Chemistry</i> , <b>2012</b> , 55, 1294-1302	7.9	3
57	Porous Fe <sub>3</sub> O <sub>4</sub> nanoparticles: synthesis and application in catalyzing epoxidation of styrene. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 364, 298-303	9.3	44
56	Thermal-stable carbon nanotube-supported metal nanocatalysts by mesoporous silica coating. <i>Langmuir</i> , <b>2011</b> , 27, 6244-51	4	24
55	In-situ loading ultrafine AuPd particles on ceria: highly active catalyst for solvent-free selective oxidation of benzyl alcohol. <i>Langmuir</i> , <b>2011</b> , 27, 1152-7	4	45
54	Ultrasonication-assisted uniform decoration of carbon nanotubes by various particles with controlled size and loading. <i>Carbon</i> , <b>2011</b> , 49, 4376-4384	10.4	17
53	In situ loading of palladium nanoparticles on mica and their catalytic applications. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 353, 269-74	9.3	11
52	CO <sub>2</sub> -mediated synthesis of ZnO nanorods and their application in sensing ethanol vapor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 1252-8	1.3	3
51	The solvent-free selective hydrogenation of nitrobenzene to aniline: an unexpected catalytic activity of ultrafine Pt nanoparticles deposited on carbon nanotubes. <i>Green Chemistry</i> , <b>2010</b> , 12, 1007	10	112
50	Pt-Ru/CeO <sub>2</sub> /carbon nanotube nanocomposites: an efficient electrocatalyst for direct methanol fuel cells. <i>Langmuir</i> , <b>2010</b> , 26, 12383-9	4	80
49	New Solvents for Nanotubes: Approaching the Dispersibility of Surfactants. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 231-237	3.8	101
48	Supercritical CO <sub>2</sub> -facilitating large-scale synthesis of CeO <sub>2</sub> nanowires and their application for solvent-free selective hydrogenation of nitroarenes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1947		48
47	Control of Optical Limiting of Carbon Nanotube Dispersions by Changing Solvent Parameters. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6148-6156	3.8	39
46	Study on the anatase to rutile phase transformation and controlled synthesis of rutile nanocrystals with the assistance of ionic liquid. <i>Langmuir</i> , <b>2010</b> , 26, 10294-302	4	76
45	Shape and size controlled synthesis of anatase nanocrystals with the assistance of ionic liquid. <i>Langmuir</i> , <b>2010</b> , 26, 5129-34	4	33

44	Green solvent-based approaches for synthesis of nanomaterials. <i>Science China Chemistry</i> , <b>2010</b> , 53, 372-382	3.9	4
43	Chitosan-mediated synthesis of mesoporous Fe <sub>2</sub> O <sub>3</sub> nanoparticles and their applications in catalyzing selective oxidation of cyclohexane. <i>Science China Chemistry</i> , <b>2010</b> , 53, 1502-1508	7.9	12
42	The immobilization of glycidyl-group-containing ionic liquids and its application in CO <sub>2</sub> cycloaddition reactions. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6687-92	4.8	46
41	Arginine-mediated synthesis of highly efficient catalysts for transfer hydrogenations of ketones. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 351, 501-6	9.3	10
40	p-Aminophenylacetic acid-mediated synthesis of monodispersed titanium oxide hybrid microspheres in ethanol solution. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 338, 468-73	9.3	3
39	Effects of Ambient Conditions on Solvent-Nanotube Dispersions: Exposure to Water and Temperature Variation. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 1260-1266	3.8	16
38	Multicomponent solubility parameters for single-walled carbon nanotube-solvent mixtures. <i>ACS Nano</i> , <b>2009</b> , 3, 2340-50	16.7	298
37	In situ controllable loading of ultrafine noble metal particles on titania. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6648-9	16.4	129
36	High-yield production of graphene by liquid-phase exfoliation of graphite. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 563-8	28.7	4715
35	Quantitative Evaluation of Surfactant-stabilized Single-walled Carbon Nanotubes: Dispersion Quality and Its Correlation with Zeta Potential. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 10692-10699	3.8	315
34	Large Populations of Individual Nanotubes in Surfactant-Based Dispersions without the Need for Ultracentrifugation. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 972-977	3.8	68
33	Efficient dispersion and exfoliation of single-walled nanotubes in 3-aminopropyltriethoxysilane and its derivatives. <i>Nanotechnology</i> , <b>2008</b> , 19, 485702	3.4	6
32	Towards Solutions of Single-Walled Carbon Nanotubes in Common Solvents. <i>Advanced Materials</i> , <b>2008</b> , 20, 1876-1881	24	299
31	Synthesis of TiO <sub>2</sub> nanotube networks from the mineralization of swim bladder membrane in supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , <b>2007</b> , 42, 310-315	4.2	8
30	Synthesis of PtRu/carbon nanotube composites in supercritical fluid and their application as an electrocatalyst for direct methanol fuel cells. <i>Carbon</i> , <b>2007</b> , 45, 536-542	10.4	55
29	Preparation of titania/carbon nanotube composites using supercritical ethanol and their photocatalytic activity for phenol degradation under visible light irradiation. <i>Carbon</i> , <b>2007</b> , 45, 1795-1801	10.4	320
28	Coating carbon nanotubes with metal oxides in a supercritical carbon dioxide-ethanol solution. <i>Carbon</i> , <b>2007</b> , 45, 2589-2596	10.4	62
27	Supercritical carbon dioxide-assisted deposition of tin oxide on carbon nanotubes. <i>Materials Letters</i> , <b>2007</b> , 61, 4565-4568	3.3	19



26	Ru Nanoparticles Immobilized on Montmorillonite by Ionic Liquids: A Highly Efficient Heterogeneous Catalyst for the Hydrogenation of Benzene. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 272-275	3.6	38
25	Synthesis of noble metal/carbon nanotube composites in supercritical methanol. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 691-7	1.3	21
24	Synthesis and characterization of TiO <sub>2</sub> /montmorillonite nanocomposites and their application for removal of methylene blue. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 579-584		65
23	Synthesis of ZrO <sub>2</sub> -carbon nanotube composites and their application as chemiluminescent sensor material for ethanol. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13410-4	3.4	86
22	Microstructural and electrochemical characterization of RuO <sub>2</sub> /CNT composites synthesized in supercritical diethyl amine. <i>Carbon</i> , <b>2006</b> , 44, 888-893	10.4	50
21	Synthesis and characterization of ZnS-montmorillonite nanocomposites and their application for degrading eosin B. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 301, 116-22	9.3	28
20	Decoration carbon nanotubes with Pd and Ru nanocrystals via an inorganic reaction route in supercritical carbon dioxide-methanol solution. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 304, 323-8	9.3	68
19	Microwave-Assisted Synthesis of Pt Nanocrystals and Deposition on Carbon Nanotubes in Ionic Liquids. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 175-179	1.3	23
18	Synthesis of Polyaniline Nanofibrous Networks with the Aid of an Amphiphilic Ionic Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 227-230	1.3	9
17	Ru nanoparticles immobilized on montmorillonite by ionic liquids: a highly efficient heterogeneous catalyst for the hydrogenation of benzene. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 45, 266-9	16.4	181
16	Facile synthesis of polyaniline nanofibers using chloroaurate acid as the oxidant. <i>Langmuir</i> , <b>2005</b> , 21, 833-6	4	136
15	Fabrication and characterization of magnetic carbon nanotube composites. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 4497		76
14	Replication of biological organizations through a supercritical fluid route. <i>Chemical Communications</i> , <b>2005</b> , 2948-50	5.8	33
13	Facile route to synthesize multiwalled carbon nanotube/zinc sulfide heterostructures: optical and electrical properties. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 12772-6	3.4	80
12	Solvothermal synthesis of mesoporous Eu <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> composites. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 81, 169-174	5.3	47
11	Synthesis and characterization of mesoporous aluminosilicate molecular sieve from K-feldspar. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 83, 277-282	5.3	21
10	Carbon onions synthesized via thermal reduction of glycerin with magnesium. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 93, 178-180	4.4	20
9	Carbon nanoflowers synthesized by a reduction-pyrolysis-catalysis route. <i>Materials Letters</i> , <b>2005</b> , 59, 456-458	3.3	20

8	Phase-Separation-Induced Micropatterned Polymer Surfaces and Their Applications. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 655-663	15.6	31
7	Fabrication of Ruthenium-Carbon Nanotube Nanocomposites in Supercritical Water. <i>Advanced Materials</i> , <b>2005</b> , 17, 928-932	24	126
6	A Highly Efficient Chemical Sensor Material for H <sub>2</sub> S: Fe <sub>2</sub> O <sub>3</sub> Nanotubes Fabricated Using Carbon Nanotube Templates. <i>Advanced Materials</i> , <b>2005</b> , 17, 2993-2997	24	420
5	In situ Eu <sub>2</sub> O <sub>3</sub> coating on the walls of mesoporous silica SBA-15 in supercritical ethane + ethanol mixture. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 75, 101-105	5.3	8
4	Carbon nanotube/poly(2,4-hexadiyne-1,6-diol) nanocomposites prepared with the aid of supercritical CO <sub>2</sub> . <i>Chemical Communications</i> , <b>2004</b> , 2190-1	5.8	26
3	Synthesis of Tubular Graphite Cones through a Catalytically Thermal Reduction Route. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9811-9814	3.4	2
2	Photocatalytic nitrogen reduction to ammonia: Insights into the role of defect engineering in photocatalysts. <i>Nano Research</i> , 1	10	10
1	Engineering CuO-HfO <sub>2</sub> interface toward enhanced CO <sub>2</sub> electroreduction to C <sub>2</sub> H <sub>4</sub> . <i>Chemical Communications</i> ,	5.8	0