Zhenyu Sun

List of Publications by Year
in descending order

157 papers	18,650 citations	20759 60 h-index	11899 134 g-index
161 all docs	161 docs citations	161 times ranked	23482 citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic nitrogen reduction to ammonia: Insights into the role of defect engineering in photocatalysts. Nano Research, 2022, 15, 2773-2809.	5.8	69
2	Engineering vacancy and hydrophobicity of two-dimensional TaTe2 for efficient and stable electrocatalytic N2 reduction. Innovation(China), 2022, 3, 100190.	5.2	16
3	Cadmium-based metalâˆ'organic frameworks for high-performance electrochemical CO2 reduction to CO over wide potential range. Chinese Journal of Chemical Engineering, 2022, 43, 143-151.	1.7	12
4	Design of Porous Coreâ€"Shell Manganese Oxides to Boost Electrocatalytic Dinitrogen Reduction. ACS Sustainable Chemistry and Engineering, 2022, 10, 1316-1322.	3.2	14
5	Single atom and defect engineering of CuO for efficient electrochemical reduction of CO₂ to C₂H₄. SmartMat, 2022, 3, 194-205.	6.4	34
6	Integration of ultrafine CuO nanoparticles with two-dimensional MOFs for enhanced electrochemical CO2 reduction to ethylene. Chinese Journal of Catalysis, 2022, 43, 1049-1057.	6.9	39
7	Interface engineered Sb2O3/W18O49 heterostructure for enhanced visible-light-driven photocatalytic N2 reduction. Chemical Engineering Journal, 2022, 438, 135485.	6.6	21
8	Selective Electroreduction of CO₂ and CO to C₂H₄ by Synergistically Tuning Nanocavities and the Surface Charge of Copper Oxide. ACS Sustainable Chemistry and Engineering, 2022, 10, 6466-6475.	3.2	13
9	Engineering the CuOâ€"HfO₂ interface toward enhanced CO₂ electroreduction to C₂H₄. Chemical Communications, 2022, 58, 7412-7415.	2.2	12
10	Electrocatalytic coupling of CO2 and N2 for urea synthesis. Current Opinion in Green and Sustainable Chemistry, 2022, 37, 100648.	3.2	11
11	Modulation of Photogenerated Carrier Transport by Integration of Sb₂O₃ with Fe₂O₃ for Improved Photoelectrochemical Water Oxidation. ACS Applied Energy Materials, 2022, 5, 8844-8851.	2.5	9
12	Single Nb atom modified anatase TiO2(110) for efficient electrocatalytic nitrogen reduction reaction. Chem Catalysis, 2022, 2, 2275-2288.	2.9	18
13	Earth-abundant coal-derived carbon nanotube/carbon composites as efficient bifunctional oxygen electrocatalysts for rechargeable zinc-air batteries. Journal of Energy Chemistry, 2021, 56, 87-97.	7.1	32
14	Enhanced electrochemical CO2 reduction to ethylene over CuO by synergistically tuning oxygen vacancies and metal doping. Cell Reports Physical Science, 2021, 2, 100356.	2.8	39
15	Facile synthesis of two-dimensional copper terephthalate for efficient electrocatalytic CO₂ reduction to ethylene. Journal of Experimental Nanoscience, 2021, 16, 246-254.	1.3	7
16	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. CheM, 2021, 7, 1708-1754.	5.8	253
17	Improving the performance of metal-organic frameworks for thermo-catalytic CO2 conversion: Strategies and perspectives. Chinese Journal of Catalysis, 2021, 42, 1903-1920.	6.9	45
18	Activation of Ni Particles into Single Niâ€"N Atoms for Efficient Electrochemical Reduction of CO₂. Advanced Energy Materials, 2020, 10, 1903068.	10.2	210

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19	Reduced graphene oxides with engineered defects enable efficient electrochemical reduction of dinitrogen to ammonia in wide pH range. Nano Energy, 2020, 68, 104323.	8.2	64
20	Surface-engineered oxidized two-dimensional Sb for efficient visible light-driven N2 fixation. Nano Energy, 2020, 78, 105368.	8.2	37
21	Recent Advances in Electrode Materials for Electrochemical CO2Reduction. ACS Symposium Series, 2020, , 49-91.	0.5	1
22	Single yttrium sites on carbon-coated TiO₂ for efficient electrocatalytic N₂ reduction. Chemical Communications, 2020, 56, 10910-10913.	2.2	31
23	Stabilization of Cu⁺by tuning a CuOâ€“CeO₂interface for selective electrochemical CO₂reduction to ethylene. Green Chemistry, 2020, 22, 6540-6546.	4.6	98
24	Highly stable two-dimensional bismuth metal-organic frameworks for efficient electrochemical reduction of CO2. Applied Catalysis B: Environmental, 2020, 277, 119241.	10.8	109
25	Application of two-dimensional materials for electrochemical carbon dioxide reduction. , 2020, , 289-326.		1
26	An efficient pH-universal electrocatalyst for oxygen reduction: defect-rich graphitized carbon shell wrapped cobalt within hierarchical porous N-doped carbon aerogel. Materials Today Energy, 2020, 17, 100452.	2.5	17
27	A Miracle Metal@Zeolite for Selective Conversion of Syngas to Ethanol. CheM, 2020, 6, 546-548.	5.8	2
28	Achieving Highly Selective Electrocatalytic CO₂ Reduction by Tuning CuO-Sb₂O₃ Nanocomposites. ACS Sustainable Chemistry and Engineering, 2020, 8, 4948-4954.	3.2	33
29	Two-dimensional materials for energy conversion and storage. Progress in Materials Science, 2020, 111, 100637.	16.0	134
30	Photocatalytic Reduction of CO₂ by Metalâ€Freeâ€Based Materials: Recent Advances and Future Perspective. Solar Rrl, 2020, 4, 1900546.	3.1	177
31	Metal-Tuned W₁₈O₄₉ for Efficient Electrocatalytic N₂ Reduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 2957-2963.	3.2	39
32	Trace metals dramatically boost oxygen electrocatalysis of N-doped coal-derived carbon for zincâ€“air batteries. Nanoscale, 2020, 12, 9628-9639.	2.8	24
33	Electrocatalytic CO₂ Reduction to Ethylene over CeO₂-Supported Cu Nanoparticles: Effect of Exposed Facets of CeO₂. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	7
34	Reductive Transformation of Carbon Dioxide. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	1
35	Metal Oxide-Based Materials for Electrochemical CO₂ Reduction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	13
36	Efficient Electrochemical Reduction of CO₂ by Niâ€“N Catalysts with Tunable Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 15030-15035.	3.2	40

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37	ZIF-67-Derived Cobalt/Nitrogen-Doped Carbon Composites for Efficient Electrocatalytic N₂ Reduction. ACS Applied Energy Materials, 2019, 2, 6071-6077.	2.5	67
38	Activated TiO2 with tuned vacancy for efficient electrochemical nitrogen reduction. Applied Catalysis B: Environmental, 2019, 257, 117896.	10.8	220
39	Efficient bifunctional Co/N dual-doped carbon electrocatalysts for oxygen reduction and evolution reaction. Carbon, 2019, 153, 575-584.	5.4	59
40	Supercritical Fluidâ€Facilitated Exfoliation and Processing of 2D Materials. Advanced Science, 2019, 6, 1901084.	5.6	65
41	Boosting ion dynamics through superwettable leaf-like film based on porous g-C3N4 nanosheets for ionogel supercapacitors. NPG Asia Materials, 2019, 11, .	3.8	40
42	Single Sb sites for efficient electrochemical CO₂ reduction. Chemical Communications, 2019, 55, 12024-12027.	2.2	65
43	Efficient visible-light driven N₂ fixation over two-dimensional Sb/TiO₂ composites. Chemical Communications, 2019, 55, 7171-7174.	2.2	46
44	A N, P Dualâ€Doped Carbon with High Porosity as an Advanced Metalâ€Free Oxygen Reduction Catalyst. Advanced Materials Interfaces, 2019, 6, 1900592.	1.9	27
45	Oxygen vacancy enables electrochemical N2 fixation over WO3 with tailored structure. Nano Energy, 2019, 62, 869-875.	8.2	150
46	Synthesis of Fe2O3 loaded porous g-C3N4 photocatalyst for photocatalytic reduction of dinitrogen to ammonia. Chemical Engineering Journal, 2019, 373, 572-579.	6.6	181
47	Highly Porous Metalloporphyrin Covalent Ionic Frameworks with Wellâ€Defined Cooperative Functional Groups as Excellent Catalysts for CO₂ Cycloaddition. Chemistry - A European Journal, 2019, 25, 9052-9059.	1.7	36
48	High-yield production of few-layer boron nanosheets for efficient electrocatalytic N₂ reduction. Chemical Communications, 2019, 55, 4246-4249.	2.2	96
49	Understanding the Antifouling Mechanism of Zwitterionic Monomer-Grafted Polyvinylidene Difluoride Membranes: A Comparative Experimental and Molecular Dynamics Simulation Study. ACS Applied Materials & Interfaces, 2019, 11, 14408-14417.	4.0	39
50	Liquid Exfoliation of Two-Dimensional PbI₂ Nanosheets for Ultrafast Photonics. ACS Photonics, 2019, 6, 1051-1057.	3.2	28
51	Graphene-based materials for electrochemical CO2 reduction. Journal of CO2 Utilization, 2019, 30, 168-182.	3.3	87
52	Graphene and its Hybrids for Photocatalysis. Current Graphene Science, 2019, 2, 79-96.	0.5	1
53	Photocatalytic Fixation of Nitrogen to Ammonia by Single Ru Atom Decorated TiO₂ Nanosheets. ACS Sustainable Chemistry and Engineering, 2019, 7, 6813-6820.	3.2	142
54	Synergistic catalysis of CuO/In₂O₃ composites for highly selective electrochemical CO₂ reduction to CO. Chemical Communications, 2019, 55, 12380-12383.	2.2	32

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55	Atomically Dispersed Nickel Sites for Selective Electroreduction of CO₂. ACS Applied Energy Materials, 2019, 2, 8836-8842.	2.5	16
56	Ultrasound-Assisted Nitrogen and Boron Codoping of Graphene Oxide for Efficient Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 3434-3442.	3.2	49
57	Nitrogen Fixation by Ru Single-Atom Electrocatalytic Reduction. CheM, 2019, 5, 204-214.	5.8	739
58	Single-atom catalysis for electrochemical CO2 reduction. Current Opinion in Green and Sustainable Chemistry, 2019, 16, 1-6.	3.2	65
59	Entrapped Single Tungstate Site in Zeolite for Cooperative Catalysis of Olefin Metathesis with BrÃ¸nsted Acid Site. Journal of the American Chemical Society, 2018, 140, 6661-6667.	6.6	71
60	Supercritical diethylamine facilitated loading of ultrafine Ru particles on few-layer graphene for solvent-free hydrogenation of levulinic acid to <i>Î³</i>-valerolactone. Nanotechnology, 2018, 29, 075708.	1.3	6
61	Nitrogen-doped and nanostructured carbons with high surface area for enhanced oxygen reduction reaction. Carbon, 2018, 126, 111-118.	5.4	63
62	Katalyse der Kohlenstoffdioxidâ€Photoreduktion an Nanoschichten: Grundlagen und Herausforderungen. Angewandte Chemie, 2018, 130, 7734-7752.	1.6	27
63	Catalysis of Carbon Dioxide Photoreduction on Nanosheets: Fundamentals and Challenges. Angewandte Chemie - International Edition, 2018, 57, 7610-7627.	7.2	361
64	Doping palladium with tellurium for the highly selective electrocatalytic reduction of aqueous CO₂ to CO. Chemical Science, 2018, 9, 483-487.	3.7	93
65	Carbon-supported Ni nanoparticles for efficient CO₂ electroreduction. Chemical Science, 2018, 9, 8775-8780.	3.7	179
66	Simple synthesis of two-dimensional MoP2 nanosheets for efficient electrocatalytic hydrogen evolution. Electrochemistry Communications, 2018, 97, 27-31.	2.3	9
67	Electrochemical CO2 reduction to C2+ species: Heterogeneous electrocatalysts, reaction pathways, and optimization strategies. Materials Today Energy, 2018, 10, 280-301.	2.5	188
68	Lignosulfonate biomass derived N and S co-doped porous carbon for efficient oxygen reduction reaction. Sustainable Energy and Fuels, 2018, 2, 1820-1827.	2.5	37
69	Tuning the Pd-catalyzed electroreduction of CO₂to CO with reduced overpotential. Catalysis Science and Technology, 2018, 8, 3894-3900.	2.1	24
70	New solvent-stabilized few-layer black phosphorus for antibacterial applications. Nanoscale, 2018, 10, 12543-12553.	2.8	74
71	Heterogeneous Catalysis of CO₂ Hydrogenation to C₂₊ Products. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 858-872.	2.2	41
72	High-efficiency mixing process in secondary rotating stream. Chemical Engineering Journal, 2017, 313, 807-814.	6.6	2

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73	N-Doping of graphene oxide at low temperature for the oxygen reduction reaction. Chemical Communications, 2017, 53, 873-876.	2.2	121
74	Two-dimensional nanosheets for electrocatalysis in energy generation and conversion. Journal of Materials Chemistry A, 2017, 5, 7257-7284.	5.2	220
75	Heterogeneous electrochemical CO₂ reduction using nonmetallic carbon-based catalysts: current status and future challenges. Nanotechnology, 2017, 28, 472001.	1.3	87
76	Fundamentals and Challenges of Electrochemical CO2 Reduction Using Two-Dimensional Materials. CheM, 2017, 3, 560-587.	5.8	815
77	Nonlinear Absorption Induced Transparency and Optical Limiting of Black Phosphorus Nanosheets. ACS Photonics, 2017, 4, 3063-3070.	3.2	92
78	Exfoliation of Stable 2D Black Phosphorus for Device Fabrication. Chemistry of Materials, 2017, 29, 6445-6456.	3.2	66
79	Scalable exfoliation and dispersion of two-dimensional materials â€" an update. Physical Chemistry Chemical Physics, 2017, 19, 921-960.	1.3	261
80	Graphene/Porous Beta TiO2 Nanocomposites Prepared Through a Simple Hydrothermal Method. Current Graphene Science, 2017, 1, .	0.5	3
81	Hydrazineâ€Assisted Liquid Exfoliation of MoS₂ for Catalytic Hydrodeoxygenation of 4â€Methylphenol. Chemistry - A European Journal, 2016, 22, 2910-2914.	1.7	52
82	Few-layer graphene modified with nitrogen-rich metallo-macrocyclic complexes as precursor for bifunctional oxygen electrocatalysts. Electrochimica Acta, 2016, 222, 1191-1199.	2.6	15
83	Demonstrating the steady performance of iron oxide composites over 2000 cycles at fast charge-rates for Li-ion batteries. Chemical Communications, 2016, 52, 7348-7351.	2.2	17
84	Amorphous Cobalt Boride (Co₂B) as a Highly Efficient Nonprecious Catalyst for Electrochemical Water Splitting: Oxygen and Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1502313.	10.2	686
85	Oneâ€Pot Synthesis of Carbonâ€Coated Nanostructured Iron Oxide on Fewâ€Layer Graphene for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 16154-16161.	1.7	12
86	High-quality functionalized few-layer graphene: facile fabrication and doping with nitrogen as a metal-free catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 15444-15450.	5.2	53
87	Liquid-phase exfoliation of graphite for mass production of pristine few-layer graphene. Current Opinion in Colloid and Interface Science, 2015, 20, 311-321.	3.4	101
88	RÃ¼cktitelbild: Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen MnxOy/NC- und CoxOy/NC-Nanopartikeln fÃ¼r leistungsfÃ¤hige bifunktionale Sauerstoffelektroden (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	2
89	Mn_{<i>x</i>}O_{<i>y</i>}/NC and Co_{<i>x</i>}O_{<i>y</i>}/NC Nanoparticles Embedded in a Nitrogenâ€Doped Carbon Matrix for Highâ€Performance Bifunctional Oxygen Electrodes. Angewandte Chemie - International Edition, 2014, 53, 8508-8512.	7.2	482
90	Hollow and Yolkâ€Shell Iron Oxide Nanostructures on Fewâ€Layer Graphene in Liâ€Ion Batteries. Chemistry - A European Journal, 2014, 20, 2022-2030.	1.7	37

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91	A carbon-coated TiO2(B) nanosheet composite for lithium ion batteries. Chemical Communications, 2014, 50, 5506.	2.2	45
92	Highâ€Concentration Graphene Dispersions with Minimal Stabilizer: A Scaffold for Enzyme Immobilization for Glucose Oxidation. Chemistry - A European Journal, 2014, 20, 5752-5761.	1.7	43
93	Amine-based solvents for exfoliating graphite to graphene outperform the dispersing capacity of N-methyl-pyrrolidone and surfactants. Chemical Communications, 2014, 50, 10382-10385.	2.2	35
94	High-yield exfoliation of graphite in acrylate polymers: A stable few-layer graphene nanofluid with enhanced thermal conductivity. Carbon, 2013, 64, 288-294.	5.4	71
95	Trace metal residues promote the activity of supposedly metal-free nitrogen-modified carbon catalysts for the oxygen reduction reaction. Electrochemistry Communications, 2013, 34, 113-116.	2.3	124
96	Ag-stabilized few-layer graphene dispersions in low boiling point solvents for versatile nonlinear optical applications. Carbon, 2013, 62, 182-192.	5.4	39
97	Nanostructured Few-Layer Graphene with Superior Optical Limiting Properties Fabricated by a Catalytic Steam Etching Process. Journal of Physical Chemistry C, 2013, 117, 11811-11817.	1.5	29
98	Rapid and Surfactant-Free Synthesis of Bimetallic Ptâ€“Cu Nanoparticles Simply via Ultrasound-Assisted Redox Replacement. ACS Catalysis, 2012, 2, 1647-1653.	5.5	54
99	One-pot solvothermal method to synthesize platinum/W18O49 ultrafine nanowires and their catalytic performance. Journal of Materials Chemistry, 2012, 22, 3354.	6.7	24
100	Ionic liquid-stabilized graphene and its use in immobilizing a metal nanocatalyst. RSC Advances, 2012, 2, 8189.	1.7	32
101	Highly Concentrated Aqueous Dispersions of Graphene Exfoliated by Sodium Taurodeoxycholate: Dispersion Behavior and Potential Application as a Catalyst Support for the Oxygenâ€Reduction Reaction. Chemistry - A European Journal, 2012, 18, 6972-6978.	1.7	76
102	Controllable synthesis of titania/reduced graphite oxide nanocomposites with various titania phase compositions and their photocatalytic performance. Science China Chemistry, 2012, 55, 1294-1302.	4.2	4
103	Thermal-Stable Carbon Nanotube-Supported Metal Nanocatalysts by Mesoporous Silica Coating. Langmuir, 2011, 27, 6244-6251.	1.6	28
104	In-Situ Loading Ultrafine AuPd Particles on Ceria: Highly Active Catalyst for Solvent-Free Selective Oxidation of Benzyl Alcohol. Langmuir, 2011, 27, 1152-1157.	1.6	49
105	Porous Fe3O4 nanoparticles: Synthesis and application in catalyzing epoxidation of styrene. Journal of Colloid and Interface Science, 2011, 364, 298-303.	5.0	49
106	Ultrasonication-assisted uniform decoration of carbon nanotubes by various particles with controlled size and loading. Carbon, 2011, 49, 4376-4384.	5.4	18
107	In situ loading of palladium nanoparticles on mica and their catalytic applications. Journal of Colloid and Interface Science, 2011, 353, 269-274.	5.0	12
108	CO₂-Mediated Synthesis of ZnO Nanorods and Their Application in Sensing Ethanol Vapor. Journal of Nanoscience and Nanotechnology, 2011, 11, 1252-1258.	0.9	6

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109	High-intensity sonication-assisted synthesis of supported noble metal nanocatalysts. Scientia Sinica Chimica, 2011, 41, 1366-1371.	0.2	0
110	Shape and Size Controlled Synthesis of Anatase Nanocrystals with the Assistance of Ionic Liquid. Langmuir, 2010, 26, 5129-5134.	1.6	36
111	Green solvent-based approaches for synthesis of nanomaterials. Science China Chemistry, 2010, 53, 372-382.	4.2	6
112	Chitosan-mediated synthesis of mesoporous Î±-Fe2O3 nanoparticles and their applications in catalyzing selective oxidation of cyclohexane. Science China Chemistry, 2010, 53, 1502-1508.	4.2	14
113	The Immobilization of Glycidylâ€Groupâ€Containing Ionic Liquids and Its Application in CO₂ Cycloaddition Reactions. Chemistry - A European Journal, 2010, 16, 6687-6692.	1.7	47
114	Arginine-mediated synthesis of highly efficient catalysts for transfer hydrogenations of ketones. Journal of Colloid and Interface Science, 2010, 351, 501-506.	5.0	11
115	The solvent-free selective hydrogenation of nitrobenzene to aniline: an unexpected catalytic activity of ultrafine Pt nanoparticles deposited on carbon nanotubes. Green Chemistry, 2010, 12, 1007.	4.6	119
116	Ptâˆ'Ru/CeO₂/Carbon Nanotube Nanocomposites: An Efficient Electrocatalyst for Direct Methanol Fuel Cells. Langmuir, 2010, 26, 12383-12389.	1.6	86
117	New Solvents for Nanotubes: Approaching the Dispersibility of Surfactants. Journal of Physical Chemistry C, 2010, 114, 231-237.	1.5	108
118	Supercritical CO2-facilitating large-scale synthesis of CeO2 nanowires and their application for solvent-free selective hydrogenation of nitroarenes. Journal of Materials Chemistry, 2010, 20, 1947.	6.7	49
119	Control of Optical Limiting of Carbon Nanotube Dispersions by Changing Solvent Parameters. Journal of Physical Chemistry C, 2010, 114, 6148-6156.	1.5	42
120	Study on the Anatase to Rutile Phase Transformation and Controlled Synthesis of Rutile Nanocrystals with the Assistance of Ionic Liquid. Langmuir, 2010, 26, 10294-10302.	1.6	80
121	p-Aminophenylacetic acid-mediated synthesis of monodispersed titanium oxide hybrid microspheres in ethanol solution. Journal of Colloid and Interface Science, 2009, 338, 468-473.	5.0	3
122	Effects of Ambient Conditions on Solventâˆ'Nanotube Dispersions: Exposure to Water and Temperature Variation. Journal of Physical Chemistry C, 2009, 113, 1260-1266.	1.5	16
123	Multicomponent Solubility Parameters for Single-Walled Carbon Nanotubeâˆ'Solvent Mixtures. ACS Nano, 2009, 3, 2340-2350.	7.3	347
124	In Situ Controllable Loading of Ultrafine Noble Metal Particles on Titania. Journal of the American Chemical Society, 2009, 131, 6648-6649.	6.6	135
125	Towards Solutions of Singleâ€Walled Carbon Nanotubes in Common Solvents. Advanced Materials, 2008, 20, 1876-1881.	11.1	333
126	High-yield production of graphene by liquid-phase exfoliation of graphite. Nature Nanotechnology, 2008, 3, 563-568.	15.6	5,431

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127	Quantitative Evaluation of Surfactant-stabilized Single-walled Carbon Nanotubes: Dispersion Quality and Its Correlation with Zeta Potential. Journal of Physical Chemistry C, 2008, 112, 10692-10699.	1.5	343
128	Large Populations of Individual Nanotubes in Surfactant-Based Dispersions without the Need for Ultracentrifugation. Journal of Physical Chemistry C, 2008, 112, 972-977.	1.5	75
129	Efficient dispersion and exfoliation of single-walled nanotubes in 3-aminopropyltriethoxysilane and its derivatives. Nanotechnology, 2008, 19, 485702.	1.3	6
130	Synthesis of TiO2 nanotube networks from the mineralization of swim bladder membrane in supercritical CO2. Journal of Supercritical Fluids, 2007, 42, 310-315.	1.6	11
131	Synthesis of PtRu/carbon nanotube composites in supercritical fluid and their application as an electrocatalyst for direct methanol fuel cells. Carbon, 2007, 45, 536-542.	5.4	58
132	Preparation of titania/carbon nanotube composites using supercritical ethanol and their photocatalytic activity for phenol degradation under visible light irradiation. Carbon, 2007, 45, 1795-1801.	5.4	341
133	Coating carbon nanotubes with metal oxides in a supercritical carbon dioxideâ€“ethanol solution. Carbon, 2007, 45, 2589-2596.	5.4	65
134	Supercritical carbon dioxide-assisted deposition of tin oxide on carbon nanotubes. Materials Letters, 2007, 61, 4565-4568.	1.3	19
135	Synthesis and characterization of TiO2â€“montmorillonite nanocomposites and their application for removal of methylene blue. Journal of Materials Chemistry, 2006, 16, 579-584.	6.7	70
136	Synthesis of ZrO2â^'Carbon Nanotube Composites and Their Application as Chemiluminescent Sensor Material for Ethanol. Journal of Physical Chemistry B, 2006, 110, 13410-13414.	1.2	97
137	Microstructural and electrochemical characterization of RuO2/CNT composites synthesized in supercritical diethyl amine. Carbon, 2006, 44, 888-893.	5.4	56
138	Synthesis and characterization of ZnS-montmorillonite nanocomposites and their application for degrading eosin B. Journal of Colloid and Interface Science, 2006, 301, 116-122.	5.0	32
139	Decoration carbon nanotubes with Pd and Ru nanocrystals via an inorganic reaction route in supercritical carbon dioxideâ€“methanol solution. Journal of Colloid and Interface Science, 2006, 304, 323-328.	5.0	68
140	Ru Nanoparticles Immobilized on Montmorillonite by Ionic Liquids: A Highly Efficient Heterogeneous Catalyst for the Hydrogenation of Benzene. Angewandte Chemie - International Edition, 2006, 45, 266-269.	7.2	193
141	Synthesis of Noble Metal/Carbon Nanotube Composites in Supercritical Methanol. Journal of Nanoscience and Nanotechnology, 2006, 6, 691-697.	0.9	23
142	Microwave-Assisted Synthesis of Pt Nanocrystals and Deposition on Carbon Nanotubes in Ionic Liquids. Journal of Nanoscience and Nanotechnology, 2006, 6, 175-179.	0.9	27
143	Synthesis of Polyaniline Nanofibrous Networks with the Aid of an Amphiphilic Ionic Liquid. Journal of Nanoscience and Nanotechnology, 2006, 6, 227-230.	0.9	14
144	Solvothermal synthesis of mesoporous Eu2O3â€“TiO2 composites. Microporous and Mesoporous Materials, 2005, 81, 169-174.	2.2	51

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145	Synthesis and characterization of mesoporous aluminosilicate molecular sieve from K-feldspar. Microporous and Mesoporous Materials, 2005, 83, 277-282.	2.2	32
146	Carbon onions synthesized via thermal reduction of glycerin with magnesium. Materials Chemistry and Physics, 2005, 93, 178-180.	2.0	24
147	Carbon nanoflowers synthesized by a reductionâ€"pyrolysisâ€"catalysis route. Materials Letters, 2005, 59, 456-458.	1.3	26
148	Phase-Separation-Induced Micropatterned Polymer Surfaces and Their Applications. Advanced Functional Materials, 2005, 15, 655-663.	7.8	36
149	Fabrication of Ruthenium-Carbon Nanotube Nanocomposites in Supercritical Water. Advanced Materials, 2005, 17, 928-932.	11.1	136
150	A Highly Efficient Chemical Sensor Material for H2S: Î±-Fe2O3 Nanotubes Fabricated Using Carbon Nanotube Templates. Advanced Materials, 2005, 17, 2993-2997.	11.1	446
151	Facile Synthesis of Polyaniline Nanofibers Using Chloroaurate Acid as the Oxidant. Langmuir, 2005, 21, 833-836.	1.6	147
152	Fabrication and characterization of magnetic carbon nanotube composites. Journal of Materials Chemistry, 2005, 15, 4497.	6.7	81
153	Replication of biological organizations through a supercritical fluid route. Chemical Communications, 2005, , 2948.	2.2	34
154	Facile Route to Synthesize Multiwalled Carbon Nanotube/Zinc Sulfide Heterostructures:â€‰ Optical and Electrical Properties. Journal of Physical Chemistry B, 2005, 109, 12772-12776.	1.2	81
155	In situ Eu2O3 coating on the walls of mesoporous silica SBA-15 in supercritical ethane+ethanol mixture. Microporous and Mesoporous Materials, 2004, 75, 101-105.	2.2	8
156	Carbon nanotube/poly(2,4-hexadiyne-1,6-diol) nanocomposites prepared with the aid of supercritical CO2. Chemical Communications, 2004, , 2190.	2.2	30
157	Synthesis of Tubular Graphite Cones through a Catalytically Thermal Reduction Route. Journal of Physical Chemistry B, 2004, 108, 9811-9814.	1.2	2