Zhenyu Sun

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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	High-yield production of graphene by liquid-phase exfoliation of graphite. *Nature Nanotechnology*, **2008**, 3, 563-8	28.7	4715
150	Amorphous Cobalt Boride (Co2B) as a Highly Efficient Nonprecious Catalyst for Electrochemical Water Splitting: Oxygen and Hydrogen Evolution. *Advanced Energy Materials*, **2016**, 6, 1502313	21.8	539
149	Fundamentals and Challenges of Electrochemical CO2 Reduction Using Two-Dimensional Materials. *CheM*, **2017**, 3, 560-587	16.2	513
148	Nitrogen Fixation by Ru Single-Atom Electrocatalytic Reduction. *CheM*, **2019**, 5, 204-214	16.2	501
147	Mn(x)O(y)/NC and Co(x)O(y)/NC nanoparticles embedded in a nitrogen-doped carbon matrix for high-performance bifunctional oxygen electrodes. *Angewandte Chemie - International Edition*, **2014**, 53, 8508-12	16.4	432
146	A Highly Efficient Chemical Sensor Material for H2S: □Fe2O3 Nanotubes Fabricated Using Carbon Nanotube Templates. *Advanced Materials*, **2005**, 17, 2993-2997	24	420
145	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	10.4	320
144	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	3.8	315
143	Towards Solutions of Single-Walled Carbon Nanotubes in Common Solvents. *Advanced Materials*, **2008**, 20, 1876-1881	24	299
142	Multicomponent solubility parameters for single-walled carbon nanotube-solvent mixtures. *ACS Nano*, **2009**, 3, 2340-50	16.7	298
141	Catalysis of Carbon Dioxide Photoreduction on Nanosheets: Fundamentals and Challenges. *Angewandte Chemie - International Edition*, **2018**, 57, 7610-7627	16.4	242
140	Scalable exfoliation and dispersion of two-dimensional materials - an update. *Physical Chemistry Chemical Physics*, **2017**, 19, 921-960	3.6	214
139	Two-dimensional nanosheets for electrocatalysis in energy generation and conversion. *Journal of Materials Chemistry A*, **2017**, 5, 7257-7284	13	186
138	Ru nanoparticles immobilized on montmorillonite by ionic liquids: a highly efficient heterogeneous catalyst for the hydrogenation of benzene. *Angewandte Chemie - International Edition*, **2005**, 45, 266-9	16.4	181
137	Facile synthesis of polyaniline nanofibers using chloroaurate acid as the oxidant. *Langmuir*, **2005**, 21, 833-6	4	136
136	Activated TiO2 with tuned vacancy for efficient electrochemical nitrogen reduction. *Applied Catalysis B: Environmental*, **2019**, 257, 117896	21.8	130
135	In situ controllable loading of ultrafine noble metal particles on titania. *Journal of the American Chemical Society*, **2009**, 131, 6648-9	16.4	129

134	Fabrication of Ruthenium□Carbon Nanotube Nanocomposites in Supercritical Water. *Advanced Materials*, **2005**, 17, 928-932	24	126
133	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	5.1	120
132	Carbon-supported Ni nanoparticles for efficient CO electroreduction. *Chemical Science*, **2018**, 9, 8775-8780	9.4	116
131	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	10	112
130	Activation of Ni Particles into Single Ni□N Atoms for Efficient Electrochemical Reduction of CO2. *Advanced Energy Materials*, **2020**, 10, 1903068	21.8	111
129	Electrochemical CO2 reduction to C2+ species: Heterogeneous electrocatalysts, reaction pathways, and optimization strategies. *Materials Today Energy*, **2018**, 10, 280-301	7	107
128	New Solvents for Nanotubes: Approaching the Dispersibility of Surfactants. *Journal of Physical Chemistry C*, **2010**, 114, 231-237	3.8	101
127	N-Doping of graphene oxide at low temperature for the oxygen reduction reaction. *Chemical Communications*, **2017**, 53, 873-876	5.8	100
126	Synthesis of Fe2O3 loaded porous g-C3N4 photocatalyst for photocatalytic reduction of dinitrogen to ammonia. *Chemical Engineering Journal*, **2019**, 373, 572-579	14.7	99
125	Oxygen vacancy enables electrochemical N2 fixation over WO3 with tailored structure. *Nano Energy*, **2019**, 62, 869-875	17.1	94
124	Photocatalytic Reduction of CO2 by Metal-Free-Based Materials: Recent Advances and Future Perspective. *Solar Rrl*, **2020**, 4, 1900546	7.1	90
123	Synthesis of ZrO2-carbon nanotube composites and their application as chemiluminescent sensor material for ethanol. *Journal of Physical Chemistry B*, **2006**, 110, 13410-4	3.4	86
122	Photocatalytic Fixation of Nitrogen to Ammonia by Single Ru Atom Decorated TiO2 Nanosheets. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6813-6820	8.3	85
121	Pt-Ru/CeO2/carbon nanotube nanocomposites: an efficient electrocatalyst for direct methanol fuel cells. *Langmuir*, **2010**, 26, 12383-9	4	80
120	Facile route to synthesize multiwalled carbon nanotube/zinc sulfide heterostructures: optical and electrical properties. *Journal of Physical Chemistry B*, **2005**, 109, 12772-6	3.4	80
119	Liquid-phase exfoliation of graphite for mass production of pristine few-layer graphene. *Current Opinion in Colloid and Interface Science*, **2015**, 20, 311-321	7.6	79
118	Study on the anatase to rutile phase transformation and controlled synthesis of rutile nanocrystals with the assistance of ionic liquid. *Langmuir*, **2010**, 26, 10294-302	4	76
117	Fabrication and characterization of magnetic carbon nanotube composites. *Journal of Materials Chemistry*, **2005**, 15, 4497		76

116	Two-dimensional materials for energy conversion and storage. *Progress in Materials Science*, **2020**, 111, 100637	42.2	73
115	Doping palladium with tellurium for the highly selective electrocatalytic reduction of aqueous CO to CO. *Chemical Science*, **2018**, 9, 483-487	9.4	73
114	High-yield production of few-layer boron nanosheets for efficient electrocatalytic N reduction. *Chemical Communications*, **2019**, 55, 4246-4249	5.8	71
113	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. *CheM*, **2021**, 7, 1708-1754	16.2	70
112	Highly concentrated aqueous dispersions of graphene exfoliated by sodium taurodeoxycholate: dispersion behavior and potential application as a catalyst support for the oxygen-reduction reaction. *Chemistry - A European Journal*, **2012**, 18, 6972-8	4.8	69
111	Large Populations of Individual Nanotubes in Surfactant-Based Dispersions without the Need for Ultracentrifugation. *Journal of Physical Chemistry C*, **2008**, 112, 972-977	3.8	68
110	Decoration carbon nanotubes with Pd and Ru nanocrystals via an inorganic reaction route in supercritical carbon dioxide-methanol solution. *Journal of Colloid and Interface Science*, **2006**, 304, 323-8	9.3	68
109	Synthesis and characterization of TiO2–montmorillonite nanocomposites and their application for removal of methylene blue. *Journal of Materials Chemistry*, **2006**, 16, 579-584		65
108	Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen MnxOy/NC- und CoxOy/NC-Nanopartikeln für leistungsfähige bifunktionale Sauerstoffelektroden. *Angewandte Chemie*, **2014**, 126, 8648-8652	3.6	64
107	High-yield exfoliation of graphite in acrylate polymers: A stable few-layer graphene nanofluid with enhanced thermal conductivity. *Carbon*, **2013**, 64, 288-294	10.4	63
106	Coating carbon nanotubes with metal oxides in a supercritical carbon dioxide–ethanol solution. *Carbon*, **2007**, 45, 2589-2596	10.4	62
105	Nonlinear Absorption Induced Transparency and Optical Limiting of Black Phosphorus Nanosheets. *ACS Photonics*, **2017**, 4, 3063-3070	6.3	61
104	Heterogeneous electrochemical CO reduction using nonmetallic carbon-based catalysts: current status and future challenges. *Nanotechnology*, **2017**, 28, 472001	3.4	57
103	Graphene-based materials for electrochemical CO2 reduction. *Journal of CO2 Utilization*, **2019**, 30, 168-182	7.2	57
102	New solvent-stabilized few-layer black phosphorus for antibacterial applications. *Nanoscale*, **2018**, 10, 12543-12553	7.7	56
101	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	10.4	55
100	Exfoliation of Stable 2D Black Phosphorus for Device Fabrication. *Chemistry of Materials*, **2017**, 29, 6445-6456	9.6	54
99	Highly stable two-dimensional bismuth metal-organic frameworks for efficient electrochemical reduction of CO2. *Applied Catalysis B: Environmental*, **2020**, 277, 119241	21.8	53

98	Entrapped Single Tungstate Site in Zeolite for Cooperative Catalysis of Olefin Metathesis with Brønsted Acid Site. *Journal of the American Chemical Society*, **2018**, 140, 6661-6667	16.4	50
97	Rapid and Surfactant-Free Synthesis of Bimetallic Pt□Cu Nanoparticles Simply via Ultrasound-Assisted Redox Replacement. *ACS Catalysis*, **2012**, 2, 1647-1653	13.1	50
96	Microstructural and electrochemical characterization of RuO2/CNT composites synthesized in supercritical diethyl amine. *Carbon*, **2006**, 44, 888-893	10.4	50
95	Single-atom catalysis for electrochemical CO2 reduction. *Current Opinion in Green and Sustainable Chemistry*, **2019**, 16, 1-6	7.9	49
94	Nitrogen-doped and nanostructured carbons with high surface area for enhanced oxygen reduction reaction. *Carbon*, **2018**, 126, 111-118	10.4	48
93	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	13	48
92	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		48
91	Solvothermal synthesis of mesoporous Eu2O3□iO2 composites. *Microporous and Mesoporous Materials*, **2005**, 81, 169-174	5.3	47
90	The immobilization of glycidyl-group-containing ionic liquids and its application in CO2 cycloaddition reactions. *Chemistry - A European Journal*, **2010**, 16, 6687-92	4.8	46
89	In-situ loading ultrafine AuPd particles on ceria: highly active catalyst for solvent-free selective oxidation of benzyl alcohol. *Langmuir*, **2011**, 27, 1152-7	4	45
88	Porous Fe3O4 nanoparticles: synthesis and application in catalyzing epoxidation of styrene. *Journal of Colloid and Interface Science*, **2011**, 364, 298-303	9.3	44
87	Hydrazine-Assisted Liquid Exfoliation of MoS2 for Catalytic Hydrodeoxygenation of 4-Methylphenol. *Chemistry - A European Journal*, **2016**, 22, 2910-4	4.8	44
86	Reduced graphene oxides with engineered defects enable efficient electrochemical reduction of dinitrogen to ammonia in wide pH range. *Nano Energy*, **2020**, 68, 104323	17.1	43
85	Efficient bifunctional Co/N dual-doped carbon electrocatalysts for oxygen reduction and evolution reaction. *Carbon*, **2019**, 153, 575-584	10.4	42
84	Supercritical Fluid-Facilitated Exfoliation and Processing of 2D Materials. *Advanced Science*, **2019**, 6, 1901084	15.4	42
83	A carbon-coated TiO(2)(B) nanosheet composite for lithium ion batteries. *Chemical Communications*, **2014**, 50, 5506-9	5.8	41
82	Control of Optical Limiting of Carbon Nanotube Dispersions by Changing Solvent Parameters. *Journal of Physical Chemistry C*, **2010**, 114, 6148-6156	3.8	39
81	Single Sb sites for efficient electrochemical CO reduction. *Chemical Communications*, **2019**, 55, 12024-12027	5.8	38

80	High-concentration graphene dispersions with minimal stabilizer: a scaffold for enzyme immobilization for glucose oxidation. *Chemistry - A European Journal*, **2014**, 20, 5752-61	4.8	38
79	Ru Nanoparticles Immobilized on Montmorillonite by Ionic Liquids: A Highly Efficient Heterogeneous Catalyst for the Hydrogenation of Benzene. *Angewandte Chemie*, **2006**, 118, 272-275	3.6	38
78	Hollow and yolk-shell iron oxide nanostructures on few-layer graphene in Li-ion batteries. *Chemistry - A European Journal*, **2014**, 20, 2022-30	4.8	36
77	ZIF-67-Derived Cobalt/Nitrogen-Doped Carbon Composites for Efficient Electrocatalytic N2 Reduction. *ACS Applied Energy Materials*, **2019**, 2, 6071-6077	6.1	34
76	Ag-stabilized few-layer graphene dispersions in low boiling point solvents for versatile nonlinear optical applications. *Carbon*, **2013**, 62, 182-192	10.4	34
75	Stabilization of Cu+ by tuning a CuO□eO2 interface for selective electrochemical CO2 reduction to ethylene. *Green Chemistry*, **2020**, 22, 6540-6546	10	34
74	Shape and size controlled synthesis of anatase nanocrystals with the assistance of ionic liquid. *Langmuir*, **2010**, 26, 5129-34	4	33
73	Replication of biological organizations through a supercritical fluid route. *Chemical Communications* , **2005**, 2948-50	5.8	33
72	Heterogeneous Catalysis of CO2 Hydrogenation to C2+ Products. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2018**, 34, 858-872	3.8	32
71	Efficient visible-light driven N fixation over two-dimensional Sb/TiO composites. *Chemical Communications*, **2019**, 55, 7171-7174	5.8	31
70	Phase-Separation-Induced Micropatterned Polymer Surfaces and Their Applications. *Advanced Functional Materials*, **2005**, 15, 655-663	15.6	31
69	Boosting ion dynamics through superwettable leaf-like film based on porous g-C3N4 nanosheets for ionogel supercapacitors. *NPG Asia Materials*, **2019**, 11,	10.3	30
68	Amine-based solvents for exfoliating graphite to graphene outperform the dispersing capacity of N-methyl-pyrrolidone and surfactants. *Chemical Communications*, **2014**, 50, 10382-5	5.8	30
67	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	9.5	29
66	Ionic liquid-stabilized graphene and its use in immobilizing a metal nanocatalyst. *RSC Advances*, **2012**, 2, 8189	3.7	29
65	Synthesis and characterization of ZnS-montmorillonite nanocomposites and their application for degrading eosin B. *Journal of Colloid and Interface Science*, **2006**, 301, 116-22	9.3	28
64	Highly Porous Metalloporphyrin Covalent Ionic Frameworks with Well-Defined Cooperative Functional Groups as Excellent Catalysts for CO Cycloaddition. *Chemistry - A European Journal*, **2019** , 25, 9052-9059	4.8	27
63	Ultrasound-Assisted Nitrogen and Boron Codoping of Graphene Oxide for Efficient Oxygen Reduction Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3434-3442	8.3	27

62	Lignosulfonate biomass derived N and S co-doped porous carbon for efficient oxygen reduction reaction. *Sustainable Energy and Fuels*, **2018**, 2, 1820-1827	5.8	26
61	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	3.8	26
60	Carbon nanotube/poly(2,4-hexadiyne-1,6-diol) nanocomposites prepared with the aid of supercritical CO2. *Chemical Communications*, **2004**, 2190-1	5.8	26
59	Efficient Electrochemical Reduction of CO2 by Ni N Catalysts with Tunable Performance. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15030-15035	8.3	25
58	Thermal-stable carbon nanotube-supported metal nanocatalysts by mesoporous silica coating. *Langmuir*, **2011**, 27, 6244-51	4	24
57	Metal-Tuned W18O49 for Efficient Electrocatalytic N2 Reduction. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2957-2963	8.3	23
56	One-pot solvothermal method to synthesize platinum/W18O49 ultrafine nanowires and their catalytic performance. *Journal of Materials Chemistry*, **2012**, 22, 3354		23
55	Microwave-Assisted Synthesis of Pt Nanocrystals and Deposition on Carbon Nanotubes in Ionic Liquids. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 175-179	1.3	23
54	A N, P Dual-Doped Carbon with High Porosity as an Advanced Metal-Free Oxygen Reduction Catalyst. *Advanced Materials Interfaces*, **2019**, 6, 1900592	4.6	21
53	Synthesis of noble metal/carbon nanotube composites in supercritical methanol. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 691-7	1.3	21
52	Synthesis and characterization of mesoporous aluminosilicate molecular sieve from K-feldspar. *Microporous and Mesoporous Materials*, **2005**, 83, 277-282	5.3	21
51	Surface-engineered oxidized two-dimensional Sb for efficient visible light-driven N2 fixation. *Nano Energy*, **2020**, 78, 105368	17.1	21
50	Liquid Exfoliation of Two-Dimensional PbI2 Nanosheets for Ultrafast Photonics. *ACS Photonics*, **2019**, 6, 1051-1057	6.3	20
49	Tuning the Pd-catalyzed electroreduction of CO2 to CO with reduced overpotential. *Catalysis Science and Technology*, **2018**, 8, 3894-3900	5.5	20
48	Carbon onions synthesized via thermal reduction of glycerin with magnesium. *Materials Chemistry and Physics*, **2005**, 93, 178-180	4.4	20
47	Carbon nanoflowers synthesized by a reduction pyrolysis catalysis route. *Materials Letters*, **2005**, 59, 456-458	3.3	20
46	Supercritical carbon dioxide-assisted deposition of tin oxide on carbon nanotubes. *Materials Letters* , **2007**, 61, 4565-4568	3.3	19
45	Katalyse der Kohlenstoffdioxid-Photoreduktion an Nanoschichten: Grundlagen und Herausforderungen. *Angewandte Chemie*, **2018**, 130, 7734-7752	3.6	19

44	Synergistic catalysis of CuO/InO composites for highly selective electrochemical CO reduction to CO. *Chemical Communications*, **2019**, 55, 12380-12383	5.8	18
43	Ultrasonication-assisted uniform decoration of carbon nanotubes by various particles with controlled size and loading. *Carbon*, **2011**, 49, 4376-4384	10.4	17
42	Achieving Highly Selective Electrocatalytic CO2 Reduction by Tuning CuO-Sb2O3 Nanocomposites. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4948-4954	8.3	16
41	Effects of Ambient Conditions on Solvent□Nanotube Dispersions: Exposure to Water and Temperature Variation. *Journal of Physical Chemistry C*, **2009**, 113, 1260-1266	3.8	16
40	Demonstrating the steady performance of iron oxide composites over 2000 cycles at fast charge-rates for Li-ion batteries. *Chemical Communications*, **2016**, 52, 7348-51	5.8	16
39	Single yttrium sites on carbon-coated TiO for efficient electrocatalytic N reduction. *Chemical Communications*, **2020**, 56, 10910-10913	5.8	15
38	Enhanced electrochemical CO2 reduction to ethylene over CuO by synergistically tuning oxygen vacancies and metal doping. *Cell Reports Physical Science*, **2021**, 2, 100356	6.1	15
37	Few-layer graphene modified with nitrogen-rich metallo-macrocyclic complexes as precursor for bifunctional oxygen electrocatalysts. *Electrochimica Acta*, **2016**, 222, 1191-1199	6.7	15
36	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	12	15
35	Chitosan-mediated synthesis of mesoporous □Fe2O3 nanoparticles and their applications in catalyzing selective oxidation of cyclohexane. *Science China Chemistry*, **2010**, 53, 1502-1508	7.9	12
34	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	7	11
33	One-Pot Synthesis of Carbon-Coated Nanostructured Iron Oxide on Few-Layer Graphene for Lithium-Ion Batteries. *Chemistry - A European Journal*, **2015**, 21, 16154-61	4.8	11
32	In situ loading of palladium nanoparticles on mica and their catalytic applications. *Journal of Colloid and Interface Science*, **2011**, 353, 269-74	9.3	11
31	Improving the performance of metal-organic frameworks for thermo-catalytic CO2 conversion: Strategies and perspectives. *Chinese Journal of Catalysis*, **2021**, 42, 1903-1920	11.3	11
30	Trace metals dramatically boost oxygen electrocatalysis of N-doped coal-derived carbon for zinc-air batteries. *Nanoscale*, **2020**, 12, 9628-9639	7.7	10
29	Arginine-mediated synthesis of highly efficient catalysts for transfer hydrogenations of ketones. *Journal of Colloid and Interface Science*, **2010**, 351, 501-6	9.3	10
28	Photocatalytic nitrogen reduction to ammonia: Insights into the role of defect engineering in photocatalysts. *Nano Research*,1	10	10
27	Synthesis of Polyaniline Nanofibrous Networks with the Aid of an Amphiphilic Ionic Liquid. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 227-230	1.3	9

26	Atomically Dispersed Nickel Sites for Selective Electroreduction of CO2. *ACS Applied Energy Materials*, **2019**, 2, 8836-8842	6.1	9
25	Synthesis of TiO2 nanotube networks from the mineralization of swim bladder membrane in supercritical CO2. *Journal of Supercritical Fluids*, **2007**, 42, 310-315	4.2	8
24	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	5.3	8
23	Simple synthesis of two-dimensional MoP2 nanosheets for efficient electrocatalytic hydrogen evolution. *Electrochemistry Communications*, **2018**, 97, 27-31	5.1	8
22	Efficient dispersion and exfoliation of single-walled nanotubes in 3-aminopropyltriethoxysilane and its derivatives. *Nanotechnology*, **2008**, 19, 485702	3.4	6
21	Engineering vacancy and hydrophobicity of two-dimensional TaTe for efficient and stable electrocatalytic N reduction.. *Innovation(China)*, **2022**, 3, 100190	17.8	5
20	Green solvent-based approaches for synthesis of nanomaterials. *Science China Chemistry*, **2010**, 53, 372-382	7.9	4
19	Integration of ultrafine CuO nanoparticles with two-dimensional MOFs for enhanced electrochemicgal CO2 reduction to ethylene. *Chinese Journal of Catalysis*, **2022**, 43, 1049-1057	11.3	4
18	Graphene/Porous Beta TiO2 Nanocomposites Prepared Through a Simple Hydrothermal Method. *Current Graphene Science*, **2017**, 1,	0.7	3
17	Supercritical diethylamine facilitated loading of ultrafine Ru particles on few-layer graphene for solvent-free hydrogenation of levulinic acid to γ-valerolactone. *Nanotechnology*, **2018**, 29, 075708	3.4	3
16	Controllable synthesis of titania/reduced graphite oxide nanocomposites with various titania phase compositions and their photocatalytic performance. *Science China Chemistry*, **2012**, 55, 1294-1302	7.9	3
15	p-Aminophenylacetic acid-mediated synthesis of monodispersed titanium oxide hybrid microspheres in ethanol solution. *Journal of Colloid and Interface Science*, **2009**, 338, 468-73	9.3	3
14	CO2-mediated synthesis of ZnO nanorods and their application in sensing ethanol vapor. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 1252-8	1.3	3
13	Electrocatalytic CO2 Reduction to Ethylene over CeO2-Supported Cu Nanoparticles: Effect of Exposed Facets of CeO2. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2009023-0	3.8	3
12	High-efficiency mixing process in secondary rotating stream. *Chemical Engineering Journal*, **2017**, 313, 807-814	14.7	2
11	Rücktitelbild: Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen MnxOy/NC- und CoxOy/NC-Nanopartikeln für leistungsfähige bifunktionale Sauerstoffelektroden (Angew. Chem. 32/2014). *Angewandte Chemie*, **2014**, 126, 8664-8664	3.6	2
10	Synthesis of Tubular Graphite Cones through a Catalytically Thermal Reduction Route. *Journal of Physical Chemistry B*, **2004**, 108, 9811-9814	3.4	2
9	Facile synthesis of two-dimensional copper terephthalate for efficient electrocatalytic CO2 reduction to ethylene. *Journal of Experimental Nanoscience*, **2021**, 16, 247-255	1.9	2

8	Interface engineered Sb2O3/W18O49 heterostructure for enhanced visible-light-driven photocatalytic N2 reduction. *Chemical Engineering Journal*, **2022**, 438, 135485	14.7	2
7	Graphene and its Hybrids for Photocatalysis. *Current Graphene Science*, **2019**, 2, 79-96	0.7	1
6	A Miracle Metal@Zeolite for Selective Conversion of Syngas to Ethanol. *CheM*, **2020**, 6, 546-548	16.2	1
5	Cadmium-based metal-organic frameworks for high-performance electrochemical CO2 reduction to CO over wide potential range. *Chinese Journal of Chemical Engineering*, **2021**,	3.2	1
4	Single atom and defect engineering of CuO for efficient electrochemical reduction of CO 2 to C 2 H 4. *SmartMat*, **2022**, 3, 194-205	22.8	1
3	Recent Advances in Electrode Materials for Electrochemical CO2 Reduction. *ACS Symposium Series*, **2020**, 49-91	0.4	0
2	Engineering CuO-HfO2 interface toward enhanced CO2 electroreduction to C2H4. *Chemical Communications*,	5.8	0
1	Application of two-dimensional materials for electrochemical carbon dioxide reduction **2020**, 289-326		