

Nan Zhang

List of Publications by Year in descending order

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143
papers

21,913
citations

20817

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11052

137
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146
all docs

146
docs citations

146
times ranked

23311
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Coupling of Single Atom and FePS ₃ Boosts Water Electrolysis. Energy and Environmental Materials, 2022, 5, 899-905.	12.8	16
2	Utilizing tannic acid and polypyrrole to induce reconstruction to optimize the activity of MOF-derived electrocatalyst for water oxidation in seawater. Chemical Engineering Journal, 2022, 430, 132632.	12.7	15
3	Photocatalyst with Chloroplast-like Structure for Enhancing Hydrogen Evolution Reaction. Energy and Environmental Materials, 2022, 5, 1229-1237.	12.8	15
4	Porous hard carbon spheres derived from biomass for high-performance sodium/potassium-ion batteries. Nanotechnology, 2022, 33, 055401.	2.6	23
5	Surfactant-free self-assembled MXene/carbon nanotubes hybrids for high-rate sodium- and potassium-ion storage. Journal of Alloys and Compounds, 2022, 901, 163426.	5.5	16
6	Self-assembled transition metal chalcogenides@CoAl-LDH 2D/2D heterostructures with enhanced photoactivity for hydrogen evolution. Inorganic Chemistry Frontiers, 2022, 9, 994-1005.	6.0	13
7	Room-Temperature Assembled MXene-Based Aerogels for High Mass-Loading Sodium-Ion Storage. Nano-Micro Letters, 2022, 14, 37.	27.0	49
8	Highly efficient oxygen evolution catalysis achieved by NiFe oxyhydroxide clusters anchored on carbon black. Journal of Materials Chemistry A, 2022, 10, 10342-10349.	10.3	13
9	Stabilizing BiOCl/Ti ₃ C ₂ T _x hybrids for potassium-ion batteries via solid electrolyte interphase reconstruction. Inorganic Chemistry Frontiers, 2022, 9, 3165-3175.	6.0	5
10	Multifunctional Sensors Based on Doped Indium Oxide Nanocrystals. ACS Applied Materials & Interfaces, 2022, 14, 24648-24658.	8.0	5
11	Plasma-engineered bifunctional cobalt metal organic framework derivatives for high-performance complete water electrolysis. Nanoscale, 2021, 13, 6201-6211.	5.6	14
12	Facial synthesis of two-dimensional In ₂ S ₃ /Ti ₃ C ₂ T _x heterostructures with boosted photoactivity for the hydrogenation of nitroaromatic compounds. Materials Chemistry Frontiers, 2021, 5, 6883-6890.	5.9	9
13	Electrostatically confined Bi/Ti ₃ C ₂ T _x on a sponge as an easily recyclable and durable catalyst for the reductive transformation of nitroarenes. Journal of Materials Chemistry A, 2021, 9, 19847-19853.	10.3	12
14	Selectivity control of organic chemical synthesis over plasmonic metal-based photocatalysts. Catalysis Science and Technology, 2021, 11, 425-443.	4.1	5
15	2D Titanium Carbide (MXene) Based Films: Expanding the Frontier of Functional Film Materials. Advanced Functional Materials, 2021, 31, 2105043.	14.9	50
16	Asymmetric structure engineering of polymeric carbon nitride for visible-light-driven reduction reactions. Nano Energy, 2021, 87, 106168.	16.0	32
17	Achieving High-Performance 3D K ⁺ -Pre-intercalated Ti ₃ C ₂ T _x MXene for Potassium-Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. Angewandte Chemie, 2021, 133, 26450-26457.	2.0	3
18	Achieving High-Performance 3D K ⁺ -Pre-intercalated Ti ₃ C ₂ T _x MXene for Potassium-Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. Angewandte Chemie - International Edition, 2021, 60, 26246-26253.	13.8	50

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19	The band engineering of 2D-hybridized PCN-Sb ₂ MoO ₆ -Bi ₂ O ₃ nanomaterials with dual Z-scheme heterojunction for enhanced photocatalytic water splitting without sacrificial agents. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2325-2334.	4.9	5
20	Schottky Junctions with Bi Cocatalyst for Taming Aqueous Phase N ₂ Reduction toward Enhanced Solar Ammonia Production. <i>Advanced Science</i> , 2021, 8, 2003626.	11.2	56
21	Surface Chemistry and Mesopore Dual Regulation by Sulfur-Promised High Volumetric Capacity of Ti ₃ C ₂ T _x Films for Sodium-Ion Storage. <i>Small</i> , 2021, 17, e2103626.	10.0	19
22	Tip-grafted Ag-ZnO nanorod arrays decorated with Au clusters for enhanced photocatalysis. <i>Catalysis Today</i> , 2020, 340, 121-127.	4.4	31
23	Bi-metallic cobalt-nickel phosphide nanowires for electrocatalysis of the oxygen and hydrogen evolution reactions. <i>Catalysis Today</i> , 2020, 358, 196-202.	4.4	46
24	Robust and easily retrievable Pd/Ti ₃ C ₂ T _x graphene hydrogels for efficient catalytic hydrogenation of nitroaromatic compounds. <i>Chinese Chemical Letters</i> , 2020, 31, 1014-1017.	9.0	35
25	Support interactions dictated active edge sites over MoS ₂ -carbon composites for hydrogen evolution. <i>Nanoscale</i> , 2020, 12, 1109-1117.	5.6	23
26	Ultrafine oxygen-defective iridium oxide nanoclusters for efficient and durable water oxidation at high current densities in acidic media. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24743-24751.	10.3	45
27	Rising from the horizon: three-dimensional functional architectures assembled with MXene nanosheets. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18538-18559.	10.3	86
28	Design of novel structured Au/g-C ₃ N ₄ nanosheet/reduced graphene oxide nanocomposites for enhanced visible light photocatalytic activities. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4086-4095.	4.9	12
29	Facile Fabrication of a Novel Au/Phosphorus-Doped g-C ₃ N ₄ Photocatalyst with Excellent Visible Light Photocatalytic Activity. <i>Catalysts</i> , 2020, 10, 701.	3.5	15
30	Positioning MXenes in the Photocatalysis Landscape: Competitiveness, Challenges, and Future Perspectives. <i>Advanced Functional Materials</i> , 2020, 30, 2002528.	14.9	162
31	Artificial nitrogen fixation over bismuth-based photocatalysts: fundamentals and future perspectives. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4978-4995.	10.3	97
32	Ultrafine-Grained Porous Ir-Based Catalysts for High-Performance Overall Water Splitting in Acidic Media. <i>ACS Applied Energy Materials</i> , 2020, 3, 3736-3744.	5.1	26
33	A retrospective on MXene-based composites for solar fuel production. <i>Pure and Applied Chemistry</i> , 2020, 92, 1953-1969.	1.9	14
34	Hierarchically tailorable double-array film hybrids with enhanced photocatalytic and photoelectrochemical performances. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118086.	20.2	15
35	Horizons Community Board collection – emerging 2D materials for energy and electronics applications. <i>Materials Horizons</i> , 2019, 6, 1092-1093.	12.2	0
36	Nitrogen-doped Carbon with Modulated Surface Chemistry and Porous Structure by a Stepwise Biomass Activation Process towards Enhanced Electrochemical Lithium-Ion Storage. <i>Scientific Reports</i> , 2019, 9, 15032.	3.3	24

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37	Microstructure and surface control of MXene films for water purification. <i>Nature Sustainability</i> , 2019, 2, 856-862.	23.7	273
38	Horizons Community Board collection “emerging 2D materials for energy and electronics applications. <i>Nanoscale Horizons</i> , 2019, 4, 1027-1028.	8.0	1
39	Broadband Light Harvesting and Unidirectional Electron Flow for Efficient Electron Accumulation for Hydrogen Generation. <i>Angewandte Chemie</i> , 2019, 131, 10108-10112.	2.0	17
40	Broadband Light Harvesting and Unidirectional Electron Flow for Efficient Electron Accumulation for Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10003-10007.	13.8	86
41	Toward rational algorithmic design of collagen-based biomaterials through multiscale computational modeling. <i>Current Opinion in Chemical Engineering</i> , 2019, 24, 79-87.	7.8	13
42	Chemical ordering and relaxor properties in a novel solid solution of $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $x\text{Pb}(\text{Cd}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Ferroelectrics</i> , 2019, 553, 14-25.	0.6	0
43	3D graphene/AgBr/Ag cascade aerogel for efficient photocatalytic disinfection. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 343-350.	20.2	87
44	Photoredox catalysis over graphene aerogel-supported composites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4590-4604.	10.3	171
45	Eu and F co-doped ZnO-based transparent electrodes for organic and quantum dot light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5542-5551.	5.5	14
46	Mesoporous Hybrid Electrolyte for Simultaneously Inhibiting Lithium Dendrites and Polysulfide Shuttle in $\text{Li}\text{-S}$ Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703124.	19.5	42
47	WO_3 -Based Electrochromic Distributed Bragg Reflector: Toward Electrically Tunable Microcavity Luminescent Device. <i>Advanced Optical Materials</i> , 2018, 6, 1700791.	7.3	45
48	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20646-20652.	10.3	95
49	An adaptive geometry regulation strategy for 3D graphene materials: towards advanced hybrid photocatalysts. <i>Chemical Science</i> , 2018, 9, 8876-8882.	7.4	29
50	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 15697-15701.	2.0	11
51	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15471-15475.	13.8	178
52	$\text{Ti}_3\text{C}_2\text{T}_x$ MXene as a Janus cocatalyst for concurrent promoted photoactivity and inhibited photocorrosion. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 43-49.	20.2	174
53	Function-Oriented Engineering of Metal-Based Nanohybrids for Photoredox Catalysis: Exerting Plasmonic Effect and Beyond. <i>Chem</i> , 2018, 4, 1832-1861.	11.7	147
54	Light-tuned switching of charge transfer channel for simultaneously boosted photoactivity and stability. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 19-26.	20.2	48

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55	Advances in materials engineering of CdS coupled with dual cocatalysts of graphene and MoS ₂ for photocatalytic hydrogen evolution. Pure and Applied Chemistry, 2018, 90, 1379-1392.	1.9	4
56	Enhanced Performance and Flexibility of Perovskite Solar Cells Based on Microstructured Multilayer Transparent Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 18141-18148.	8.0	23
57	Stress-Transfer-Induced In-Situ Formation of Ultrathin Nickel Phosphide Nanosheets for Efficient Hydrogen Evolution. Angewandte Chemie, 2018, 130, 13266-13269.	2.0	26
58	Stress-Transfer-Induced In-Situ Formation of Ultrathin Nickel Phosphide Nanosheets for Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 13082-13085.	13.8	97
59	Study on the Photoresponse Characteristics of Organic Light-Emitting Field-Effect Transistors. Journal of Physical Chemistry C, 2018, 122, 15190-15197.	3.1	1
60	Determination of chemical ordering in the complex perovskite Pb(Cd _{1/3} Nb _{2/3})O ₃ . IUCr, 2018, 5, 808-815.	2.2	5
61	Structure buckling hybrid reliability analysis of a supercavitating projectile using a model with truncated probability and multi-ellipsoid convex set uncertainties. Mechanics Based Design of Structures and Machines, 2017, 45, 173-189.	4.7	2
62	Graphene and its derivatives as versatile templates for materials synthesis and functional applications. Nanoscale, 2017, 9, 2398-2416.	5.6	121
63	Electrocatalysis for the oxygen evolution reaction: recent development and future perspectives. Chemical Society Reviews, 2017, 46, 337-365.	38.1	4,505
64	Sb ₂ O ₃ /Ag/Sb ₂ O ₃ Multilayer Transparent Conducting Films For Ultraviolet Organic Light-emitting Diode. Scientific Reports, 2017, 7, 41250.	3.3	35
65	Aluminum-Based Plasmonic Photocatalysis. Particle and Particle Systems Characterization, 2017, 34, 1600357.	2.3	46
66	Metal-free, robust, and regenerable 3D graphene-organics aerogel with high and stable photosensitization efficiency. Journal of Catalysis, 2017, 346, 21-29.	6.2	86
67	Insight into the Role of Size Modulation on Tuning the Band Gap and Photocatalytic Performance of Semiconducting Nitrogen-Doped Graphene. Langmuir, 2017, 33, 3161-3169.	3.5	36
68	Near-Infrared to Visible Organic Upconversion Devices Based on Organic Light-Emitting Field Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 36103-36110.	8.0	26
69	Blue Quantum Dot Light-Emitting Diodes with High Electroluminescent Efficiency. ACS Applied Materials & Interfaces, 2017, 9, 38755-38760.	8.0	204
70	Plasmonic enhanced photoelectrochemical and photocatalytic performances of 1D coaxial Ag@Ag ₂ S hybrids. Journal of Materials Chemistry A, 2017, 5, 21570-21578.	10.3	45
71	Trifunctional NiO-Ag-NiO electrodes for ITO-free electrochromic supercapacitors. Journal of Materials Chemistry C, 2017, 5, 8408-8414.	5.5	43
72	Transparent perovskite light-emitting diodes by employing organic-inorganic multilayer transparent top electrodes. Applied Physics Letters, 2017, 111, 213301.	3.3	6

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73	Graphene-supported mesoporous titania nanosheets for efficient photodegradation. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 711-718.	9.4	18
74	One-dimensional CdS@MoS ₂ core-shell nanowires for boosted photocatalytic hydrogen evolution under visible light. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 298-304.	20.2	334
75	Bifunctional MoO ₃ WO ₃ /Ag/MoO ₃ WO ₃ Films for Efficient ITO-Free Electrochromic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33842-33847.	8.0	56
76	Transparent ambipolar organic thin film transistors based on multilayer transparent source-drain electrodes. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	6
77	Improved Performance of Organic Light-Emitting Field-Effect Transistors by Interfacial Modification of Hole-Transport Layer/Emission Layer: Incorporating Organic Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14063-14070.	8.0	30
78	Near-field dielectric scattering promotes optical absorption by platinum nanoparticles. <i>Nature Photonics</i> , 2016, 10, 473-482.	31.4	298
79	A new hybrid reliability index definition and its application to the structure buckling reliability analysis of supercavitating projectiles. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2016, 21, 467-471.	0.9	0
80	Multifarious roles of carbon quantum dots in heterogeneous photocatalysis. <i>Journal of Energy Chemistry</i> , 2016, 25, 927-935.	12.9	127
81	Insight into the Origin of Boosted Photosensitive Efficiency of Graphene from the Cooperative Experiment and Theory Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27091-27103.	3.1	37
82	Dual-Functional WO ₃ Nanocolumns with Broadband Antireflective and High-Performance Flexible Electrochromic Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27107-27114.	8.0	61
83	Black-colored ZnO nanowires with enhanced photocatalytic hydrogen evolution. <i>Nanotechnology</i> , 2016, 27, 22LT01.	2.6	15
84	Efficient Perovskite Solar Cells Based on Multilayer Transparent Electrodes through Morphology Control. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26703-26709.	3.1	12
85	Vertically aligned ZnO@Au@CdS core-shell nanorod arrays as an all-solid-state vectorial Z-scheme system for photocatalytic application. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18804-18814.	10.3	122
86	Structural diversity of graphene materials and their multifarious roles in heterogeneous photocatalysis. <i>Nano Today</i> , 2016, 11, 351-372.	11.9	283
87	Solar Chemical Energy Conversion by Photocatalysis. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 249-282.	0.7	1
88	The endeavour to advance graphene semiconductor composite-based photocatalysis. <i>CrystEngComm</i> , 2016, 18, 24-37.	2.6	89
89	Random lasing realized in n-ZnO/p-MgZnO core-shell nanowire heterostructures. <i>CrystEngComm</i> , 2015, 17, 3917-3922.	2.6	13
90	Highly Conductive Transparent Organic Electrodes with Multilayer Structures for Rigid and Flexible Optoelectronics. <i>Scientific Reports</i> , 2015, 5, 10569.	3.3	77

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91	Two-Dimensional MoS ₂ Nanosheet-Coated Bi ₂ S ₃ Discoids: Synthesis, Formation Mechanism, and Photocatalytic Application. <i>Langmuir</i> , 2015, 31, 4314-4322.	3.5	178
92	Promoting Visible-Light Photocatalysis with Palladium Species as Cocatalyst. <i>ChemCatChem</i> , 2015, 7, 2047-2054.	3.7	24
93	One-dimensional CdS nanowires@CeO ₂ nanoparticles composites with boosted photocatalytic activity. <i>New Journal of Chemistry</i> , 2015, 39, 6756-6764.	2.8	43
94	Silver nanowire/polyimide composite transparent electrodes for reliable flexible polymer solar cells operating at high and ultra-low temperature. <i>RSC Advances</i> , 2015, 5, 24953-24959.	3.6	27
95	Commercialization of graphene-based technologies: a critical insight. <i>Chemical Communications</i> , 2015, 51, 7090-7095.	4.1	74
96	Precursor chemistry matters in boosting photoredox activity of graphene/semiconductor composites. <i>Nanoscale</i> , 2015, 7, 18062-18070.	5.6	67
97	Low-Work-Function, ITO-Free Transparent Cathodes for Inverted Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19960-19965.	8.0	21
98	Waltzing with the Versatile Platform of Graphene to Synthesize Composite Photocatalysts. <i>Chemical Reviews</i> , 2015, 115, 10307-10377.	47.7	1,017
99	Hierarchically CdS Decorated 1D ZnO Nanorods@2D Graphene Hybrids: Low Temperature Synthesis and Enhanced Photocatalytic Performance. <i>Advanced Functional Materials</i> , 2015, 25, 221-229.	14.9	394
100	New insight into the enhanced visible light photocatalytic activity over boron-doped reduced graphene oxide. <i>Nanoscale</i> , 2015, 7, 7030-7034.	5.6	62
101	Enhancing the visible light photocatalytic performance of ternary CdS@(graphene@Pd) nanocomposites via a facile interfacial mediator and co-catalyst strategy. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19156-19166.	10.3	130
102	In situ synthesis of hierarchical In ₂ S ₃ @graphene nanocomposite photocatalyst for selective oxidation. <i>RSC Advances</i> , 2014, 4, 64484-64493.	3.6	28
103	Toward Improving the Graphene@Semiconductor Composite Photoactivity <i>via</i> the Addition of Metal Ions as Generic Interfacial Mediator. <i>ACS Nano</i> , 2014, 8, 623-633.	14.6	352
104	Nanocomposites of graphene-CdS as photoactive and reusable catalysts for visible-light-induced selective reduction process. <i>Journal of Energy Chemistry</i> , 2014, 23, 145-155.	12.9	23
105	Core@Shell Structured Nanocomposites for Photocatalytic Selective Organic Transformations. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 540-556.	2.3	51
106	Toward the enhanced photoactivity and photostability of ZnO nanospheres via intimate surface coating with reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9380.	10.3	204
107	Nanochemistry-derived Bi ₂ WO ₆ nanostructures: towards production of sustainable chemicals and fuels induced by visible light. <i>Chemical Society Reviews</i> , 2014, 43, 5276-5287.	38.1	368
108	Artificial photosynthesis over graphene@semiconductor composites. Are we getting better?. <i>Chemical Society Reviews</i> , 2014, 43, 8240-8254.	38.1	534

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109	Observing the Role of Graphene in Boosting the Two-Electron Reduction of Oxygen in Graphene@WO ₃ Nanorod Photocatalysts. <i>Langmuir</i> , 2014, 30, 5574-5584.	3.5	192
110	Graphene Oxide as a Surfactant and Support for In-Situ Synthesis of Au@Pd Nanoalloys with Improved Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5299-5308.	3.1	97
111	A simple yet efficient visible-light-driven CdS nanowires-carbon nanotube 1D@1D nanocomposite photocatalyst. <i>Journal of Catalysis</i> , 2014, 309, 146-155.	6.2	161
112	A Unique Silk Mat-Like Structured Pd/CeO ₂ as an Efficient Visible Light Photocatalyst for Green Organic Transformation in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1258-1266.	6.7	74
113	A facile one-step way to anchor noble metal (Au, Ag, Pd) nanoparticles on a reduced graphene oxide mat with catalytic activity for selective reduction of nitroaromatic compounds. <i>CrystEngComm</i> , 2013, 15, 6819.	2.6	168
114	Inhibiting Pd nanoparticle aggregation and improving catalytic performance using one-dimensional CeO ₂ nanotubes as support. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1123-1127.	14.0	13
115	A critical and benchmark comparison on graphene-, carbon nanotube-, and fullerene-semiconductor nanocomposites as visible light photocatalysts for selective oxidation. <i>Journal of Catalysis</i> , 2013, 299, 210-221.	6.2	166
116	Selective oxidation of benzyl alcohol over TiO ₂ nanosheets with exposed {001} facets: Catalyst deactivation and regeneration. <i>Applied Catalysis A: General</i> , 2013, 453, 181-187.	4.3	97
117	Synthesis of Fullerene@Carbon Nanotube@Graphene@TiO ₂ Nanocomposite Photocatalysts for Selective Oxidation: A Comparative Study. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1156-1164.	8.0	340
118	Identification of Bi ₂ WO ₆ as a highly selective visible-light photocatalyst toward oxidation of glycerol to dihydroxyacetone in water. <i>Chemical Science</i> , 2013, 4, 1820.	7.4	313
119	An Efficient Self-Assembly of CdS Nanowires@Reduced Graphene Oxide Nanocomposites for Selective Reduction of Nitro Organics under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8251-8261.	3.1	186
120	CdS@graphene nanocomposites as visible light photocatalyst for redox reactions in water: A green route for selective transformation and environmental remediation. <i>Journal of Catalysis</i> , 2013, 303, 60-69.	6.2	202
121	Defective TiO ₂ with oxygen vacancies: synthesis, properties and photocatalytic applications. <i>Nanoscale</i> , 2013, 5, 3601.	5.6	1,727
122	Synthesis of graphene@ZnO nanorod nanocomposites with improved photoactivity and anti-photocorrosion. <i>CrystEngComm</i> , 2013, 15, 3022.	2.6	309
123	Aggregation- and Leaching-Resistant, Reusable, and Multifunctional Pd@CeO ₂ as a Robust Nanocatalyst Achieved by a Hollow Core@Shell Strategy. <i>Chemistry of Materials</i> , 2013, 25, 1979-1988.	6.7	230
124	Transparent organic thin film transistors with WO ₃ /Ag/WO ₃ source-drain electrodes fabricated by thermal evaporation. <i>Applied Physics Letters</i> , 2013, 103, 033301.	3.3	35
125	Visible-Light-Driven Oxidation of Primary C-H Bonds over CdS with Dual Co-catalysts Graphene and TiO ₂ . <i>Scientific Reports</i> , 2013, 3, 3314.	3.3	116
126	Progress on Graphene-Based Composite Photocatalysts for Selective Organic Synthesis. <i>Current Organic Chemistry</i> , 2013, 17, 2503-2515.	1.6	28

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127	Graphene Transforms Wide Band Gap ZnS to a Visible Light Photocatalyst. The New Role of Graphene as a Macromolecular Photosensitizer. ACS Nano, 2012, 6, 9777-9789.	14.6	642
128	Constructing Ternary CdS@Graphene@TiO ₂ Hybrids on the Flatland of Graphene Oxide with Enhanced Visible-Light Photoactivity for Selective Transformation. Journal of Physical Chemistry C, 2012, 116, 18023-18031.	3.1	306
129	Synthesis of One-Dimensional CdS@TiO ₂ Core@Shell Nanocomposites Photocatalyst for Selective Redox: The Dual Role of TiO ₂ Shell. ACS Applied Materials & Interfaces, 2012, 4, 6378-6385.	8.0	345
130	Fabrication of coenocytic Pd@CdS nanocomposite as a visible light photocatalyst for selective transformation under mild conditions. Journal of Materials Chemistry, 2012, 22, 5042.	6.7	139
131	Co2P nanostructures by thermal decomposition: phase formation and magnetic properties. CrystEngComm, 2012, 14, 1197-1200.	2.6	10
132	Recent progress on graphene-based photocatalysts: current status and future perspectives. Nanoscale, 2012, 4, 5792.	5.6	883
133	Recent progress on metal core@semiconductor shell nanocomposites as a promising type of photocatalyst. Nanoscale, 2012, 4, 2227.	5.6	380
134	Transforming CdS into an efficient visible light photocatalyst for selective oxidation of saturated primary C-H bonds under ambient conditions. Chemical Science, 2012, 3, 2812.	7.4	229
135	Improving the photocatalytic performance of graphene@TiO ₂ nanocomposites via a combined strategy of decreasing defects of graphene and increasing interfacial contact. Physical Chemistry Chemical Physics, 2012, 14, 9167.	2.8	277
136	Emission characteristics of surface second-order metal grating distributed feedback semiconductor lasers. Science Bulletin, 2012, 57, 2083-2086.	1.7	5
137	A Simple Strategy for Fabrication of "Plum-Pudding" Type Pd@CeO ₂ Semiconductor Nanocomposite as a Visible-Light-Driven Photocatalyst for Selective Oxidation. Journal of Physical Chemistry C, 2011, 115, 22901-22909.	3.1	121
138	A facile and green approach to synthesize Pt@CeO ₂ nanocomposite with tunable core-shell and yolk-shell structure and its application as a visible light photocatalyst. Journal of Materials Chemistry, 2011, 21, 8152.	6.7	218
139	LOS rate reconstruction and application of roll-pitch seeker. , 2011, , .		0
140	Assembly of CdS Nanoparticles on the Two-Dimensional Graphene Scaffold as Visible-Light-Driven Photocatalyst for Selective Organic Transformation under Ambient Conditions. Journal of Physical Chemistry C, 2011, 115, 23501-23511.	3.1	333
141	Synthesis of M@TiO ₂ (M = Au, Pd, Pt) Core@Shell Nanocomposites with Tunable Photoreactivity. Journal of Physical Chemistry C, 2011, 115, 9136-9145.	3.1	558
142	Research on the effect of clamp on rudder lift-drag characteristics. , 2011, , .		0
143	Image parallel processing based on GPU. , 2010, , .		39