Nan Zhang

List of Publications by Year in Descending Order

136 papers	17,574 citations	58 h-index	132 g-index
146 ext. papers	19,803 ext. citations	10.2 avg, IF	7.36 L-index

#	Paper	IF	Citations
136	Surfactant-free self-assembled MXene/carbon nanotubes hybrids for high-rate sodium- and potassium-ion storage. *Journal of Alloys and Compounds*, **2022**, 901, 163426	5.7	2
135	Porous hard carbon spheres derived from biomass for high-performance sodium/potassium-ion batteries. *Nanotechnology*, **2021**, 33,	3.4	5
134	Surface Chemistry and Mesopore Dual Regulation by Sulfur-Promised High Volumetric Capacity of Ti C T Films for Sodium-Ion Storage. *Small*, **2021**, 17, e2103626	11	5
133	Plasma-engineered bifunctional cobalt-metal organic framework derivatives for high-performance complete water electrolysis. *Nanoscale*, **2021**, 13, 6201-6211	7.7	6
132	Facial synthesis of two-dimensional In2S3/Ti3C2Tx heterostructures with boosted photoactivity for the hydrogenation of nitroaromatic compounds. *Materials Chemistry Frontiers*, **2021**, 5, 6883-6890	7.8	1
131	Electrostatically confined Bi/Ti3C2Tx 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	13	4
130	Selectivity control of organic chemical synthesis over plasmonic metal-based photocatalysts. *Catalysis Science and Technology*, **2021**, 11, 425-443	5.5	2
129	2D Titanium Carbide (MXene) Based Films: Expanding the Frontier of Functional Film Materials. *Advanced Functional Materials*, **2021**, 31, 2105043	15.6	8
128	Utilizing tannic acid and polypyrrle to induce reconstruction to optimize the activity of MOF-derived electrocatalyst for water oxidation in seawater. *Chemical Engineering Journal*, **2021**, 430, 132632	14.7	4
127	Asymmetric structure engineering of polymeric carbon nitride for visible-light-driven reduction reactions. *Nano Energy*, **2021**, 87, 106168	17.1	7
126	Achieving High-Performance 3D K -Pre-intercalated Ti C T MXene for Potassium-Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. *Angewandte Chemie - International Edition*, **2021**, 60, 26246-26253	16.4	13
125	The band engineering of 2D-hybridized PCN-Sb2MoO6-Bi2O3 nanomaterials with dual Z-scheme heterojunction for enhanced photocatalytic water splitting without sacrificial agents. *Sustainable Energy and Fuels*, **2021**, 5, 2325-2334	5.8	2
124	Schottky Junctions with Bi Cocatalyst for Taming Aqueous Phase N Reduction toward Enhanced Solar Ammonia Production. *Advanced Science*, **2021**, 8, 2003626	13.6	25
123	Room-Temperature Assembled MXene-Based Aerogels for High Mass-Loading Sodium-Ion Storage.. *Nano-Micro Letters*, **2021**, 14, 37	19.5	6
122	Design of novel structured Au/g-C3N4 nanosheet/reduced graphene oxide nanocomposites for enhanced visible light photocatalytic activities. *Sustainable Energy and Fuels*, **2020**, 4, 4086-4095	5.8	7
121	Facile Fabrication of a Novel Au/Phosphorus-Doped g-C3N4 Photocatalyst with Excellent Visible Light Photocatalytic Activity. *Catalysts*, **2020**, 10, 701	4	11
120	Positioning MXenes in the Photocatalysis Landscape: Competitiveness, Challenges, and Future Perspectives. *Advanced Functional Materials*, **2020**, 30, 2002528	15.6	83

119	Artificial nitrogen fixation over bismuth-based photocatalysts: fundamentals and future perspectives. *Journal of Materials Chemistry A*, **2020**, 8, 4978-4995	13	48
118	Ultrafine-Grained Porous Ir-Based Catalysts for High-Performance Overall Water Splitting in Acidic Media. *ACS Applied Energy Materials*, **2020**, 3, 3736-3744	6.1	13
117	A retrospective on MXene-based composites for solar fuel production. *Pure and Applied Chemistry*, **2020**, 92, 1953-1969	2.1	3
116	Robust and easily retrievable Pd/Ti3C2Tx?graphene hydrogels for efficient catalytic hydrogenation of nitroaromatic compounds. *Chinese Chemical Letters*, **2020**, 31, 1014-1017	8.1	17
115	Support interactions dictated active edge sites over MoS-carbon composites for hydrogen evolution. *Nanoscale*, **2020**, 12, 1109-1117	7.7	18
114	Ultrafine oxygen-defective iridium oxide nanoclusters for efficient and durable water oxidation at high current densities in acidic media. *Journal of Materials Chemistry A*, **2020**, 8, 24743-24751	13	13
113	Rising from the horizon: three-dimensional functional architectures assembled with MXene nanosheets. *Journal of Materials Chemistry A*, **2020**, 8, 18538-18559	13	37
112	Tip-grafted Ag-ZnO nanorod arrays decorated with Au clusters for enhanced photocatalysis. *Catalysis Today*, **2020**, 340, 121-127	5.3	20
111	Bi-metallic cobalt-nickel phosphide nanowires for electrocatalysis of the oxygen and hydrogen evolution reactions. *Catalysis Today*, **2020**, 358, 196-202	5.3	24
110	Microstructure and surface control of MXene films for water purification. *Nature Sustainability*, **2019**, 2, 856-862	22.1	142
109	Broadband Light Harvesting and Unidirectional Electron Flow for Efficient Electron Accumulation for Hydrogen Generation. *Angewandte Chemie*, **2019**, 131, 10108-10112	3.6	11
108	Broadband Light Harvesting and Unidirectional Electron Flow for Efficient Electron Accumulation for Hydrogen Generation. *Angewandte Chemie - International Edition*, **2019**, 58, 10003-10007	16.4	61
107	Toward rational algorithmic design of collagen-based biomaterials through multiscale computational modeling. *Current Opinion in Chemical Engineering*, **2019**, 24, 79-87	5.4	7
106	Hierarchically tailorable double-array film hybrids with enhanced photocatalytic and photoelectrochemical performances. *Applied Catalysis B: Environmental*, **2019**, 259, 118086	21.8	8
105	Nitrogen-doped Carbon with Modulated Surface Chemistry and Porous Structure by a Stepwise Biomass Activation Process towards Enhanced Electrochemical Lithium-Ion Storage. *Scientific Reports*, **2019**, 9, 15032	4.9	8
104	Chemical ordering and relaxor properties in a novel solid solution of (1-x)Pb(Mg1/3Nb2/3)O3-xPb(Cd1/3Nb2/3)O3. *Ferroelectrics*, **2019**, 553, 14-25	0.6	
103	3D graphene/AgBr/Ag cascade aerogel for efficient photocatalytic disinfection. *Applied Catalysis B: Environmental*, **2019**, 245, 343-350	21.8	67
102	Photoredox catalysis over graphene aerogel-supported composites. *Journal of Materials Chemistry A*, **2018**, 6, 4590-4604	13	149

101	Eu and F co-doped ZnO-based transparent electrodes for organic and quantum dot light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 5542-5551	7.1	11
100	Mesoporous Hybrid Electrolyte for Simultaneously Inhibiting Lithium Dendrites and Polysulfide Shuttle in Li‐S Batteries. *Advanced Energy Materials*, **2018**, 8, 1703124	21.8	29
99	Advances in materials engineering of CdS coupled with dual cocatalysts of graphene and MoS2 for photocatalytic hydrogen evolution. *Pure and Applied Chemistry*, **2018**, 90, 1379-1392	2.1	4
98	Enhanced Performance and Flexibility of Perovskite Solar Cells Based on Microstructured Multilayer Transparent Electrodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 18141-18148	9.5	19
97	Stress-Transfer-Induced In Situ Formation of Ultrathin Nickel Phosphide Nanosheets for Efficient Hydrogen Evolution. *Angewandte Chemie*, **2018**, 130, 13266-13269	3.6	17
96	Stress-Transfer-Induced In Situ Formation of Ultrathin Nickel Phosphide Nanosheets for Efficient Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2018**, 57, 13082-13085	16.4	75
95	Study on the Photoresponse Characteristics of Organic Light-Emitting Field-Effect Transistors. *Journal of Physical Chemistry C*, **2018**, 122, 15190-15197	3.8	1
94	Determination of chemical ordering in the complex perovskite Pb(CdNb)O. *IUCrJ*, **2018**, 5, 808-815	4.7	2
93	WO3-Based Electrochromic Distributed Bragg Reflector: Toward Electrically Tunable Microcavity Luminescent Device. *Advanced Optical Materials*, **2018**, 6, 1700791	8.1	22
92	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. *Journal of Materials Chemistry A*, **2018**, 6, 20646-20652	13	66
91	An adaptive geometry regulation strategy for 3D graphene materials: towards advanced hybrid photocatalysts. *Chemical Science*, **2018**, 9, 8876-8882	9.4	20
90	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. *Angewandte Chemie*, **2018**, 130, 15697-15701	3.6	10
89	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. *Angewandte Chemie - International Edition*, **2018**, 57, 15471-15475	16.4	109
88	Ti3C2Tx MXene as a Janus cocatalyst for concurrent promoted photoactivity and inhibited photocorrosion. *Applied Catalysis B: Environmental*, **2018**, 237, 43-49	21.8	119
87	Function-Oriented Engineering of Metal-Based Nanohybrids for Photoredox Catalysis: Exerting Plasmonic Effect and Beyond. *CheM*, **2018**, 4, 1832-1861	16.2	108
86	Light-tuned switching of charge transfer channel for simultaneously boosted photoactivity and stability. *Applied Catalysis B: Environmental*, **2018**, 238, 19-26	21.8	42
85	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	1.7	2
84	Graphene and its derivatives as versatile templates for materials synthesis and functional applications. *Nanoscale*, **2017**, 9, 2398-2416	7.7	107

83	Electrocatalysis for the oxygen evolution reaction: recent development and future perspectives. *Chemical Society Reviews*, **2017**, 46, 337-365	58.5	3041
82	SbO/Ag/SbO Multilayer Transparent Conducting Films For Ultraviolet Organic Light-emitting Diode. *Scientific Reports*, **2017**, 7, 41250	4.9	29
81	Aluminum-Based Plasmonic Photocatalysis. *Particle and Particle Systems Characterization*, **2017**, 34, 1600357	3.5	34
80	Metal-free, robust, and regenerable 3D graphene□organics aerogel with high and stable photosensitization efficiency. *Journal of Catalysis*, **2017**, 346, 21-29	7.3	76
79	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	4	31
78	Near-Infrared to Visible Organic Upconversion Devices Based on Organic Light-Emitting Field Effect Transistors. *ACS Applied Materials & Interfaces*, **2017**, 9, 36103-36110	9.5	23
77	Blue Quantum Dot Light-Emitting Diodes with High Electroluminescent Efficiency. *ACS Applied Materials & Interfaces*, **2017**, 9, 38755-38760	9.5	149
76	Plasmonic enhanced photoelectrochemical and photocatalytic performances of 1D coaxial Ag@Ag2S hybrids. *Journal of Materials Chemistry A*, **2017**, 5, 21570-21578	13	33
75	Trifunctional NiO□Ag□NiO electrodes for ITO-free electrochromic supercapacitors. *Journal of Materials Chemistry C*, **2017**, 5, 8408-8414	7.1	31
74	Transparent perovskite light-emitting diodes by employing organic-inorganic multilayer transparent top electrodes. *Applied Physics Letters*, **2017**, 111, 213301	3.4	5
73	Graphene-supported mesoporous titania nanosheets for efficient photodegradation. *Journal of Colloid and Interface Science*, **2017**, 505, 711-718	9.3	14
72	One-dimensional CdS@MoS2 core-shell nanowires for boosted photocatalytic hydrogen evolution under visible light. *Applied Catalysis B: Environmental*, **2017**, 202, 298-304	21.8	279
71	Efficient Perovskite Solar Cells Based on Multilayer Transparent Electrodes through Morphology Control. *Journal of Physical Chemistry C*, **2016**, 120, 26703-26709	3.8	10
70	Vertically aligned ZnO□Au@CdS core□shell nanorod arrays as an all-solid-state vectorial Z-scheme system for photocatalytic application. *Journal of Materials Chemistry A*, **2016**, 4, 18804-18814	13	101
69	Structural diversity of graphene materials and their multifarious roles in heterogeneous photocatalysis. *Nano Today*, **2016**, 11, 351-372	17.9	247
68	Solar□chemical Energy Conversion by Photocatalysis. *Green Chemistry and Sustainable Technology*, **2016**, 249-282	1.1	1
67	The endeavour to advance graphene□semiconductor composite-based photocatalysis. *CrystEngComm*, **2016**, 18, 24-37	3.3	86
66	Bifunctional MoO-WO/Ag/MoO-WO Films for Efficient ITO-Free Electrochromic Devices. *ACS Applied Materials & Interfaces*, **2016**, 8, 33842-33847	9.5	38

65	Transparent ambipolar organic thin film transistors based on multilayer transparent source-drain electrodes. *Applied Physics Letters*, **2016**, 109, 063301	3.4	5
64	Improved Performance of Organic Light-Emitting Field-Effect Transistors by Interfacial Modification of Hole-Transport Layer/Emission Layer: Incorporating Organic Heterojunctions. *ACS Applied Materials & Interfaces*, **2016**, 8, 14063-70	9.5	26
63	Near-field dielectric scattering promotes optical absorption by platinum nanoparticles. *Nature Photonics*, **2016**, 10, 473-482	33.9	236
62	A new hybrid reliability index definition and its application to the structure buckling reliability analysis of supercavitating projectiles. *Journal of Shanghai Jiaotong University (Science)*, **2016**, 21, 467-471	0.6	
61	Multifarious roles of carbon quantum dots in heterogeneous photocatalysis. *Journal of Energy Chemistry*, **2016**, 25, 927-935	12	83
60	Insight into the Origin of Boosted Photosensitive Efficiency of Graphene from the Cooperative Experiment and Theory Study. *Journal of Physical Chemistry C*, **2016**, 120, 27091-27103	3.8	34
59	Dual-Functional WO Nanocolumns with Broadband Antireflective and High-Performance Flexible Electrochromic Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 27107-27114	9.5	46
58	Black-colored ZnO nanowires with enhanced photocatalytic hydrogen evolution. *Nanotechnology*, **2016**, 27, 22LT01	3.4	12
57	Promoting Visible-Light Photocatalysis with Palladium Species as Cocatalyst. *ChemCatChem*, **2015**, 7, 2047-2054	5.2	21
56	One-dimensional CdS nanowires□eO2 nanoparticles composites with boosted photocatalytic activity. *New Journal of Chemistry*, **2015**, 39, 6756-6764	3.6	33
55	Silver nanowire/polyimide composite transparent electrodes for reliable flexible polymer solar cells operating at high and ultra-low temperature. *RSC Advances*, **2015**, 5, 24953-24959	3.7	22
54	Commercialization of graphene-based technologies: a critical insight. *Chemical Communications*, **2015**, 51, 7090-5	5.8	63
53	Precursor chemistry matters in boosting photoredox activity of graphene/semiconductor composites. *Nanoscale*, **2015**, 7, 18062-70	7.7	63
52	Low-Work-Function, ITO-Free Transparent Cathodes for Inverted Polymer Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 19960-5	9.5	20
51	Waltzing with the Versatile Platform of Graphene to Synthesize Composite Photocatalysts. *Chemical Reviews*, **2015**, 115, 10307-77	68.1	903
50	Hierarchically CdS Decorated 1D ZnO Nanorods-2D Graphene Hybrids: Low Temperature Synthesis and Enhanced Photocatalytic Performance. *Advanced Functional Materials*, **2015**, 25, 221-229	15.6	344
49	New insight into the enhanced visible light photocatalytic activity over boron-doped reduced graphene oxide. *Nanoscale*, **2015**, 7, 7030-4	7.7	49
48	Random lasing realized in n-ZnO/p-MgZnO core□hell nanowire heterostructures. *CrystEngComm*, **2015**, 17, 3917-3922	3.3	13

47	Highly conductive transparent organic electrodes with multilayer structures for rigid and flexible optoelectronics. *Scientific Reports*, **2015**, 5, 10569	4.9	63
46	Two-dimensional MoS nanosheet-coated Bi discoids: synthesis, formation mechanism, and photocatalytic application. *Langmuir*, **2015**, 31, 4314-22	4	147
45	Toward improving the graphene-semiconductor composite photoactivity via the addition of metal ions as generic interfacial mediator. *ACS Nano*, **2014**, 8, 623-33	16.7	336
44	Nanocomposites of graphene-CdS as photoactive and reusable catalysts for visible-light-induced selective reduction process. *Journal of Energy Chemistry*, **2014**, 23, 145-155	12	21
43	Core Shell Structured Nanocomposites for Photocatalytic Selective Organic Transformations. *Particle and Particle Systems Characterization*, **2014**, 31, 540-556	3.1	47
42	Toward the enhanced photoactivity and photostability of ZnO nanospheres via intimate surface coating with reduced graphene oxide. *Journal of Materials Chemistry A*, **2014**, 2, 9380	13	183
41	Nanochemistry-derived Bi2WO6 nanostructures: towards production of sustainable chemicals and fuels induced by visible light. *Chemical Society Reviews*, **2014**, 43, 5276-87	58.5	313
40	Artificial photosynthesis over graphene-semiconductor composites. Are we getting better?. *Chemical Society Reviews*, **2014**, 43, 8240-54	58.5	477
39	Observing the role of graphene in boosting the two-electron reduction of oxygen in graphene-WO nanorod photocatalysts. *Langmuir*, **2014**, 30, 5574-84	4	166
38	Graphene Oxide as a Surfactant and Support for In-Situ Synthesis of Au Pd Nanoalloys with Improved Visible Light Photocatalytic Activity. *Journal of Physical Chemistry C*, **2014**, 118, 5299-5308	3.8	91
37	A simple yet efficient visible-light-driven CdS nanowires-carbon nanotube 1D 1D nanocomposite photocatalyst. *Journal of Catalysis*, **2014**, 309, 146-155	7.3	146
36	Enhancing the visible light photocatalytic performance of ternary CdS(graphene Pd) nanocomposites via a facile interfacial mediator and co-catalyst strategy. *Journal of Materials Chemistry A*, **2014**, 2, 19156-19166	13	118
35	In situ synthesis of hierarchical In2S3 graphene nanocomposite photocatalyst for selective oxidation. *RSC Advances*, **2014**, 4, 64484-64493	3.7	24
34	A Unique Silk Mat-Like Structured Pd/CeO2 as an Efficient Visible Light Photocatalyst for Green Organic Transformation in Water. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1258-1266	8.3	63
33	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. *CrystEngComm*, **2013**, 15, 6819	3.3	148
32	Inhibiting Pd nanoparticle aggregation and improving catalytic performance using one-dimensional CeO2 nanotubes as support. *Chinese Journal of Catalysis*, **2013**, 34, 1123-1127	11.3	9
31	A critical and benchmark comparison on graphene-, carbon nanotube-, and fullerene-semiconductor nanocomposites as visible light photocatalysts for selective oxidation. *Journal of Catalysis*, **2013**, 299, 210-221	7.3	154
30	Selective oxidation of benzyl alcohol over TiO2 nanosheets with exposed {001} facets: Catalyst deactivation and regeneration. *Applied Catalysis A: General*, **2013**, 453, 181-187	5.1	87

29	Synthesis of fullerene-, carbon nanotube-, and graphene-TiO2 nanocomposite photocatalysts for selective oxidation: a comparative study. *ACS Applied Materials & Interfaces*, **2013**, 5, 1156-64	9.5	307
28	Identification of Bi2WO6 as a highly selective visible-light photocatalyst toward oxidation of glycerol to dihydroxyacetone in water. *Chemical Science*, **2013**, 4, 1820	9.4	271
27	An Efficient Self-Assembly of CdS Nanowires on Reduced Graphene Oxide Nanocomposites for Selective Reduction of Nitro Organics under Visible Light Irradiation. *Journal of Physical Chemistry C* , **2013**, 117, 8251-8261	3.8	173
26	CdS/graphene nanocomposites as visible light photocatalyst for redox reactions in water: A green route for selective transformation and environmental remediation. *Journal of Catalysis*, **2013**, 303, 60-69	7.3	190
25	Defective TiO2 with oxygen vacancies: synthesis, properties and photocatalytic applications. *Nanoscale*, **2013**, 5, 3601-14	7.7	1426
24	Synthesis of graphene–ZnO nanorod nanocomposites with improved photoactivity and anti-photocorrosion. *CrystEngComm*, **2013**, 15, 3022	3.3	287
23	Aggregation- and Leaching-Resistant, Reusable, and Multifunctional 2 as a Robust Nanocatalyst Achieved by a Hollow Core–Shell Strategy. *Chemistry of Materials*, **2013**, 25, 1979-1988	9.6	211
22	Transparent organic thin film transistors with WO3/Ag/WO3 source-drain electrodes fabricated by thermal evaporation. *Applied Physics Letters*, **2013**, 103, 033301	3.4	33
21	Visible-light-driven oxidation of primary C-H bonds over CdS with dual co-catalysts graphene and TiO2. *Scientific Reports*, **2013**, 3, 3314	4.9	106
20	Progress on Graphene-Based Composite Photocatalysts for Selective Organic Synthesis. *Current Organic Chemistry*, **2013**, 17, 2503-2515	1.7	27
19	Graphene transforms wide band gap ZnS to a visible light photocatalyst. The new role of graphene as a macromolecular photosensitizer. *ACS Nano*, **2012**, 6, 9777-89	16.7	591
18	Constructing Ternary CdS–Graphene–TiO2 Hybrids on the Flatland of Graphene Oxide with Enhanced Visible-Light Photoactivity for Selective Transformation. *Journal of Physical Chemistry C*, **2012**, 116, 18023-18031	3.8	281
17	Synthesis of one-dimensional CdS@TiO2 core-shell nanocomposites photocatalyst for selective redox: the dual role of TiO2 shell. *ACS Applied Materials & Interfaces*, **2012**, 4, 6378-85	9.5	309
16	Fabrication of coenocytic Pd@CdS nanocomposite as a visible light photocatalyst for selective transformation under mild conditions. *Journal of Materials Chemistry*, **2012**, 22, 5042		121
15	Co2P nanostructures by thermal decomposition: phase formation and magnetic properties. *CrystEngComm*, **2012**, 14, 1197-1200	3.3	10
14	Recent progress on graphene-based photocatalysts: current status and future perspectives. *Nanoscale*, **2012**, 4, 5792-813	7.7	820
13	Recent progress on metal core@semiconductor shell nanocomposites as a promising type of photocatalyst. *Nanoscale*, **2012**, 4, 2227-38	7.7	365
12	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	9.4	205

11	Improving the photocatalytic performance of graphene-TiO2 nanocomposites via a combined strategy of decreasing defects of graphene and increasing interfacial contact. *Physical Chemistry Chemical Physics*, **2012**, 14, 9167-75	3.6	256
10	Emission characteristics of surface second-order metal grating distributed feedback semiconductor lasers. *Science Bulletin*, **2012**, 57, 2083-2086		4
9	A facile and green approach to synthesize Pt@CeO2 nanocomposite with tunable core-shell and yolk-shell structure and its application as a visible light photocatalyst. *Journal of Materials Chemistry*, **2011**, 21, 8152		205
8	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	3.8	313
7	Synthesis of 2 (M = Au, Pd, Pt) Core-Shell Nanocomposites with Tunable Photoreactivity. *Journal of Physical Chemistry C*, **2011**, 115, 9136-9145	3.8	523
6	A Simple Strategy for Fabrication of "Plum-Pudding"-Type 2 Semiconductor Nanocomposite as a Visible-Light-Driven Photocatalyst for Selective Oxidation. *Journal of Physical Chemistry C*, **2011**, 115, 22901-22909	3.8	117
5	Image parallel processing based on GPU **2010**,		13
4	Self-assembled transition metal chalcogenides@CoAl-LDH 2D/2D heterostructures with enhanced photoactivity for hydrogen evolution. *Inorganic Chemistry Frontiers*,	6.8	1
3	Electronic Coupling of Single Atom and FePS3 Boosts Water Electrolysis. *Energy and Environmental Materials*,	13	2
2	Photocatalyst with Chloroplast-like Structure for Enhancing Hydrogen Evolution Reaction. *Energy and Environmental Materials*,	13	5
1	Highly efficient oxygen evolution catalysis achieved by NiFe oxyhydroxide clusters anchored on carbon black. *Journal of Materials Chemistry A*,	13	4