

Kan Zhang

List of Publications by Year in Descending Order

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

127
papers

6,279
citations

44
h-index

76
g-index

131
ext. papers

7,443
ext. citations

10.8
avg, IF

6.24
L-index

#	Paper	IF	Citations
127	3D Covalent Organic Frameworks with Interpenetrated pcb Topology Based on 8-Connected Cubic Nodes.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	13
126	Au/MoS ₂ tips as auxiliary rate aligners for the photocatalytic generation of syngas with a tunable composition. <i>Applied Catalysis B: Environmental</i> , 2022 , 308, 121219	21.8	4
125	Artificial photosynthesis for high-value-added chemicals: Old material, new opportunity 2022 , 4, 21-44		6
124	Boosting Charge Transport in BiVO Photoanode for Solar Water Oxidation.. <i>Advanced Materials</i> , 2021 , e2108178	24	15
123	P-Type AsP Nanosheet as an Electron Donor for Stable Solar Broad-Spectrum Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55102-55111	9.5	
122	Suppressing Water Dissociation via Control of Intrinsic Oxygen Defects for Awakening Solar H O-to-H O Generation. <i>Small</i> , 2021 , 17, e2100400	11	9
121	Efficient Combination of G-C N and CDs for Enhanced Photocatalytic Performance: A Review of Synthesis, Strategies, and Applications. <i>Small</i> , 2021 , 17, e2007523	11	32
120	Defect Dominated Hierarchical Ti-Metal-Organic Frameworks via a Linker Competitive Coordination Strategy for Toluene Removal. <i>Advanced Functional Materials</i> , 2021 , 31, 2102511	15.6	11
119	Pressurized Alloying Assisted Synthesis of High Quality Antimonene for Capacitive Deionization. <i>Advanced Functional Materials</i> , 2021 , 31, 2102766	15.6	3
118	Engineering of 2D/2D MoS ₂ /Cd _x Zn _{1-x} S Photocatalyst for Solar H ₂ Evolution Coupled with Degradation of Plastic in Alkaline Solution. <i>Solar Rrl</i> , 2021 , 5, 2000427	7.1	11
117	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie</i> , 2021 , 133, 3327-3335	3.6	13
116	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3290-3298	16.4	120
115	Engineered Polymeric Carbon Nitride Additive for Energy Storage Materials: A Review. <i>Advanced Functional Materials</i> , 2021 , 31, 2102300	15.6	6
114	VOPO ₄ nanosheet with intrinsic V ⁴⁺ defective as high-performance cathode for sodium-ion battery. <i>Materials Today Energy</i> , 2021 , 21, 100756	7	4
113	Near-Complete Suppression of Oxygen Evolution for Photoelectrochemical HO Oxidative HO Synthesis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8641-8648	16.4	68
112	Halide perovskite materials as light harvesters for solar energy conversion. <i>EnergyChem</i> , 2020 , 2, 100026	36.9	11
111	Rapid deposition of WS ₂ platelet thin films as additive-free anode for sodium ion batteries with superior volumetric capacity. <i>Energy Storage Materials</i> , 2020 , 26, 534-542	19.4	13

110	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. <i>Advanced Materials</i> , 2020 , 32, e2002121	24	61
109	Enhancing photoelectrochemical performance of the BiMoO photoanode by ferroelectric polarization regulation. <i>Nanoscale</i> , 2020 , 12, 18446-18454	7.7	9
108	Large and reversible sodium storage through interlaced reaction design. <i>Energy Storage Materials</i> , 2020 , 25, 687-694	19.4	5
107	Boosting faradaic reactions of metal oxides on polymeric carbon nitride/PANI hybrid. <i>Energy Storage Materials</i> , 2020 , 25, 487-494	19.4	9
106	Recent Developments in Polymeric Carbon Nitride-Derived Photocatalysts and Electrocatalysts for Nitrogen Fixation. <i>ACS Catalysis</i> , 2019 , 9, 10260-10278	13.1	76
105	Tailoring natural layered ϵ -phase antimony into few layer antimonene for Li storage with high rate capabilities. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3238-3243	13	37
104	Disordered layers on WO ₃ nanoparticles enable photochemical generation of hydrogen from water. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 221-227	13	37
103	Aligned Heterointerface-Induced 1T-MoS Monolayer with Near-Ideal Gibbs Free for Stable Hydrogen Evolution Reaction. <i>Small</i> , 2019 , 15, e1804903	11	43
102	Ultrathin Bismuth Nanosheets for Stable Na-Ion Batteries: Clarification of Structure and Phase Transition by in Situ Observation. <i>Nano Letters</i> , 2019 , 19, 1118-1123	11.5	93
101	Boosting interfacial charge migration of TiO ₂ /BiVO ₄ photoanode by W doping for photoelectrochemical water splitting. <i>Electrochimica Acta</i> , 2019 , 300, 138-144	6.7	20
100	Modulating Epitaxial Atomic Structure of Antimonene through Interface Design. <i>Advanced Materials</i> , 2019 , 31, e1902606	24	63
99	Awakening Solar Hydrogen Evolution of MoS in Alkalescent Electrolyte through Doping with Co. <i>ChemSusChem</i> , 2019 , 12, 3336-3342	8.3	16
98	Band engineering realized by chemical combination in 2D group VAV ₃ materials. <i>Nanoscale Horizons</i> , 2019 , 4, 1145-1152	10.8	10
97	Black phosphorene as a hole extraction layer boosting solar water splitting of oxygen evolution catalysts. <i>Nature Communications</i> , 2019 , 10, 2001	17.4	120
96	Highly sensitive detection and imaging of ultraviolet-B light for precisely controlling vitamin D generation in the human body. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4503-4508	7.1	6
95	Cu ₂ O/Tu ₂ Se Mixed-Phase Nanoflake Arrays: pH-Universal Hydrogen Evolution Reactions with Ultralow Overpotential. <i>ChemElectroChem</i> , 2019 , 6, 5014-5021	4.3	4
94	A Surface patching strategy to achieve highly efficient solar water oxidation beyond surface passivation effect. <i>Nano Energy</i> , 2019 , 66, 104110	17.1	12
93	Hydrogen Peroxide Production from Solar Water Oxidation. <i>ACS Energy Letters</i> , 2019 , 4, 3018-3027	20.1	65

92	Vertically constructed monolithic electrodes for sodium ion batteries: toward low tortuosity and high energy density. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25985-25992	13	7
91	Two-dimensional transition metal diborides: promising Dirac electrocatalysts with large reaction regions toward efficient N ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25887-25893	13	20
90	Nontopological transformation of hierarchical TiO ₂ by self-regulated etching and capping roles of F ⁻ for photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2019 , 473, 738-745	6.7	8
89	Rationally designed hybrids of NiCo ₂ O ₄ and polymeric carbon nitride as faradaic electrodes with enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2019 , 299, 717-726	6.7	15
88	Rationally Designed Copper-Modified Polymeric Carbon Nitride as a Photocathode for Solar Water Splitting. <i>ChemSusChem</i> , 2019 , 12, 866-872	8.3	15
87	Dietary fibre alleviates hepatic fat deposition via inhibiting lipogenic gene expression in meat ducks. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018 , 102, e736-e745	2.6	9
86	Ultrathin tellurium dioxide: emerging direct bandgap semiconductor with high-mobility transport anisotropy. <i>Nanoscale</i> , 2018 , 10, 8397-8403	7.7	43
85	Heterogeneous Nucleation toward Polar-Solvent-Free, Fast, and One-Pot Synthesis of Highly Uniform Perovskite Quantum Dots for Wider Color Gamut Display. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800010	4.6	35
84	DFT coupled with NEGF study of a promising two-dimensional channel material: black phosphorene-type GaTeCl. <i>Nanoscale</i> , 2018 , 10, 3350-3355	7.7	25
83	Dual or multi carbonaceous coating strategies for next-generation batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1900-1914	13	24
82	Solution-processed yolk-shell-shaped WO ₃ /BiVO ₄ heterojunction photoelectrodes for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2585-2592	13	78
81	Zinc Stannate Nanocrystal-Based Ultrarapid-Response UV Photodetectors. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800085	6.8	9
80	Vertically Oriented MoS ₂ with Spatially Controlled Geometry on Nitrogenous Graphene Sheets for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1703300	21.8	116
79	Boosting the photoelectrochemical activities of all-inorganic perovskite SrTiO ₃ nanofibers by engineering homo/hetero junctions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17530-17539	13	9
78	Strategy for Boosting Li-Ion Current in Silicon Nanoparticles. <i>ACS Energy Letters</i> , 2018 , 3, 2252-2258	20.1	35
77	Multiple Heterojunction in Single Titanium Dioxide Nanoparticles for Novel Metal-Free Photocatalysis. <i>Nano Letters</i> , 2018 , 18, 4257-4262	11.5	35
76	An $\sqrt{3} \times \sqrt{3}$ level d-spacing controlling synthetic route for MoS ₂ towards stable intercalation of sodium ions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22513-22518	13	20
75	Mechanistic Understanding of Two-Dimensional Phosphorus, Arsenic, and Antimony High-Capacity Anodes for Fast-Charging Lithium/Sodium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29559-29567	3.8	27

74	Porous supraparticles of LiFePO ₄ nanorods with carbon for high rate Li-ion batteries. <i>Materials Express</i> , 2018 , 8, 316-324	1.3	7
73	Epitaxial growth of WO ₃ nanoneedles achieved using a facile flame surface treatment process engineering of hole transport and water oxidation reactivity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19542-19546	13	16
72	Epigallocatechin-3-gallate protected vanadium-induced eggshell depigmentation via P38MAPK-Nrf2/HO-1 signaling pathway in laying hens. <i>Poultry Science</i> , 2018 , 97, 3109-3118	3.9	14
71	Influence of dietary rapeseed meal levels on growth performance, organ health and standardized ileal amino acid digestibility in meat ducks from 15 to 35 days of age. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017 , 101, 1297-1306	2.6	8
70	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4543-4549	13	92
69	Double 2-dimensional H ₂ -evolving catalyst tipped photocatalyst nanowires: A new avenue for high-efficiency solar to H ₂ generation. <i>Nano Energy</i> , 2017 , 34, 481-490	17.1	38
68	Surface Localization of Defects in Black TiO ₂ : Enhancing Photoactivity or Reactivity. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 199-207	6.4	79
67	Defect-Induced Epitaxial Growth for Efficient Solar Hydrogen Production. <i>Nano Letters</i> , 2017 , 17, 6676-6683	6.8	77
66	Graphene oxide papers with high water adsorption capacity for air dehumidification. <i>Scientific Reports</i> , 2017 , 7, 9761	4.9	42
65	Hierarchical MnCo-layered double hydroxides@Ni(OH) ₂ core-shell heterostructures as advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1043-1049	13	233
64	Redescription of <i>Platevindex mortoni</i> (Gastropoda: Eupulmonata: Onchidiidae) from China. <i>Molluscan Research</i> , 2017 , 37, 72-78	0.6	1
63	Overcoming Charge Collection Limitation at Solid/Liquid Interface by a Controllable Crystal Deficient Overlayer. <i>Advanced Energy Materials</i> , 2017 , 7, 1600923	21.8	51
62	Metabolites from the co-culture of nigranoic acid and <i>Umbelopsis dimorpha</i> SWUKD3.1410, an endophytic fungus from <i>Kadsura angustifolia</i> . <i>Natural Product Research</i> , 2017 , 31, 1414-1421	2.3	6
61	PVdF-HFP/exfoliated graphene oxide nanosheet hybrid separators for thermally stable Li-ion batteries. <i>RSC Advances</i> , 2016 , 6, 80706-80711	3.7	18
60	Interaction of Rhodamine 6G molecules with graphene: a combined computational-experimental study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 28418-28427	3.6	11
59	Hollow and yolk-shell structured off-stoichiometric tungsten trioxide via selective leaching and hydrogenation for enhanced lithium storage properties. <i>Electrochimica Acta</i> , 2016 , 215, 466-472	6.7	8
58	Dual Oxygen and Tungsten Vacancies on a WO ₃ Photoanode for Enhanced Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11819-23	16.4	140
57	Dual Oxygen and Tungsten Vacancies on a WO ₃ Photoanode for Enhanced Water Oxidation. <i>Angewandte Chemie</i> , 2016 , 128, 11998-12002	3.6	64

56	Solution processable formation of a few nanometer thick-disordered overlayer on the surface of open-ended TiO nanotubes. <i>Chemical Communications</i> , 2016 , 52, 13807-13810	5.8	8
55	Unassisted photoelectrochemical water splitting exceeding 7% solar-to-hydrogen conversion efficiency using photon recycling. <i>Nature Communications</i> , 2016 , 7, 11943	17.4	109
54	Designed seamless outer surface: Application for high voltage LiNi _{0.5} Mn _{1.5} O ₄ cathode with excellent cycling stability. <i>Journal of Power Sources</i> , 2016 , 336, 307-315	8.9	17
53	A 3D triple-deck photoanode with a strengthened structure integrality: enhanced photoelectrochemical water oxidation. <i>Nanoscale</i> , 2016 , 8, 3474-81	7.7	22
52	An order/disorder/water junction system for highly efficient co-catalyst-free photocatalytic hydrogen generation. <i>Energy and Environmental Science</i> , 2016 , 9, 499-503	35.4	201
51	Water Splitting Progress in Tandem Devices: Moving Photolysis beyond Electrolysis. <i>Advanced Energy Materials</i> , 2016 , 6, 1600602	21.8	216
50	Delocalized Electron Accumulation at Nanorod Tips: Origin of Efficient H ₂ Generation. <i>Advanced Functional Materials</i> , 2016 , 26, 4527-4534	15.6	51
49	Core/Shell Low-Oxidation State Oxides@Reduced Graphene Oxide Cubes via Pressurized Reduction for Highly Stable Lithium Ion Storage. <i>Advanced Functional Materials</i> , 2016 , 26, 2959-2965	15.6	33
48	Tunable Bandgap Energy and Promotion of H ₂ O ₂ Oxidation for Overall Water Splitting from Carbon Nitride Nanowire Bundles. <i>Advanced Energy Materials</i> , 2016 , 6, 1502352	21.8	65
47	High-reversible capacity of Perovskite BaSnO ₃ /rGO composite for Lithium-Ion Battery Anodes. <i>Electrochimica Acta</i> , 2016 , 214, 31-37	6.7	22
46	Unassisted photoelectrochemical water splitting beyond 5.7% solar-to-hydrogen conversion efficiency by a wireless monolithic photoanode/dye-sensitized solar cell tandem device. <i>Nano Energy</i> , 2015 , 13, 182-191	17.1	114
45	Conformal Coating Strategy Comprising N-doped Carbon and Conventional Graphene for Achieving Ultrahigh Power and Cyclability of LiFePO ₄ . <i>Nano Letters</i> , 2015 , 15, 6756-63	11.5	101
44	Highly Efficient Solar Water Splitting from Transferred TiO ₂ Nanotube Arrays. <i>Nano Letters</i> , 2015 , 15, 5709-15	11.5	85
43	Tuning the charge transfer route by p/n junction catalysts embedded with CdS nanorods for simultaneous efficient hydrogen and oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4803-4810	13.0	73
42	Controlled thermal sintering of a metal-metal oxide-carbon ternary composite with a multi-scale hollow nanostructure for use as an anode material in Li-ion batteries. <i>Chemical Communications</i> , 2014 , 50, 2589-91	5.8	14
41	Si-Mn/reduced graphene oxide nanocomposite anodes with enhanced capacity and stability for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1702-8	9.5	34
40	Unconventional pore and defect generation in molybdenum disulfide: application in high-rate lithium-ion batteries and the hydrogen evolution reaction. <i>ChemSusChem</i> , 2014 , 7, 2489-95	8.3	72
39	Double-Deck Inverse Opal Photoanodes: Efficient Light Absorption and Charge Separation in Heterojunction. <i>Chemistry of Materials</i> , 2014 , 26, 5592-5597	9.6	81

38	Efficient photoelectrochemical hydrogen production from bismuth vanadate-decorated tungsten trioxide helix nanostructures. <i>Nature Communications</i> , 2014 , 5, 4775	17.4	320
37	A magnetic field assisted self-assembly strategy towards strongly coupled Fe ₃ O ₄ nanocrystal/rGO paper for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9636	13	39
36	Isolation and expression studies of the ERD15 gene involved in drought-stressed responses. <i>Genetics and Molecular Research</i> , 2014 , 13, 10852-62	1.2	9
35	Graphene oxide-assisted production of carbon nitrides using a solution process and their photocatalytic activity. <i>Carbon</i> , 2014 , 66, 119-125	10.4	49
34	Graphene/acid coassisted synthesis of ultrathin MoS ₂ nanosheets with outstanding rate capability for a lithium battery anode. <i>Inorganic Chemistry</i> , 2013 , 52, 9807-12	5.1	98
33	Enhanced photocatalytic activity by the tunnel effect of microstructured InVO ₄ /WO ₃ heterojunctions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013 , 108, 253-261	1.6	5
32	Chemically Modified Graphene Oxide-Wrapped Quasi-Micro Ag Decorated Silver Trimolybdate Nanowires for Photocatalytic Applications. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24023-24032	3.8	34
31	Understanding the positive effects of (CoBi) co-catalyst modification in inverse-opal structured γ -Fe ₂ O ₃ -based photoelectrochemical cells. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12725-12732	6.7	46
30	Rapid sonochemical synthesis of irregular nanolaminar-like Bi ₂ WO ₆ as efficient visible-light-active photocatalysts. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 209-15	8.9	41
29	Inverse opal structured γ -Fe ₂ O ₃ on graphene thin films: enhanced photo-assisted water splitting. <i>Nanoscale</i> , 2013 , 5, 1939-44	7.7	66
28	Single-step solvothermal synthesis of mesoporous Ag-TiO ₂ -reduced graphene oxide ternary composites with enhanced photocatalytic activity. <i>Nanoscale</i> , 2013 , 5, 5093-101	7.7	178
27	A new curved gradient deficient shell element of absolute nodal coordinate formulation for modeling thin shell structures. <i>Nonlinear Dynamics</i> , 2013 , 74, 153-164	5	16
26	Constructing inverse opal structured hematite photoanodes via electrochemical process and their application to photoelectrochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11717-22	3.6	33
25	Why does the second peak of pair correlation functions split in quasi-two-dimensional disordered films?. <i>Applied Physics Letters</i> , 2013 , 102, 071907	3.4	12
24	Enhanced photocatalytic performance of Bi ₂ WO ₆ by graphene supporter as charge transfer channel. <i>Separation and Purification Technology</i> , 2012 , 86, 98-105	8.3	72
23	Synthesis of nanostructured ZnO/Bi ₂ WO ₆ heterojunction for photocatalysis application. <i>Separation and Purification Technology</i> , 2012 , 92, 115-120	8.3	49
22	Homogeneous anchoring of TiO ₂ nanoparticles on graphene sheets for waste water treatment. <i>Materials Letters</i> , 2012 , 81, 127-130	3.3	103
21	Sonodegradation and photodegradation of methyl orange by InVO ₄ /TiO ₂ nanojunction composites under ultrasonic and visible light irradiation. <i>Ultrasonics Sonochemistry</i> , 2012 , 19, 883-9	8.9	51

20	Green synthesis of biphasic TiO ₂ -reduced graphene oxide nanocomposites with highly enhanced photocatalytic activity. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3893-901	9.5	457
19	Photoelectrochemical cells with tungsten trioxide/Mo-doped BiVO ₄ bilayers. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11119-24	3.6	100
18	Sonochemical assisted synthesis of a novel TiO ₂ /graphene composite for solar energy conversion. <i>Synthetic Metals</i> , 2012 , 162, 827-833	3.6	31
17	A novel and simple approach for the synthesis of Fe ₃ O ₄ -graphene composite. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 989-993	2.8	12
16	Photocatalytic Degradation of Methyl Orange on Platinum and Palladium Co-doped TiO ₂ Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012 , 42, 685-691		9
15	Physicochemical and photocatalytic activities of self-assembling TiO ₂ nanoparticles on nanocarbons surface. <i>Current Applied Physics</i> , 2012 , 12, 346-352	2.6	29
14	Enhanced chemical interaction between TiO ₂ and graphene oxide for photocatalytic decolorization of methylene blue. <i>Chemical Engineering Journal</i> , 2012 , 193-194, 203-210	14.7	181
13	Pollen-mediated transgene flow in maize grown in the Huang-huai-hai region in China. <i>Journal of Agricultural Science</i> , 2011 , 149, 205-216	1	9
12	Reduced graphene oxide/TiO ₂ nanocomposite with high photocatalytic activity for the degradation of rhodamine B. <i>Journal of Molecular Catalysis A</i> , 2011 , 345, 101-107		202
11	Synthesis of novel visible light responding vanadate/TiO ₂ heterostructure photocatalysts for application of organic pollutants. <i>Chemical Engineering Journal</i> , 2011 , 175, 76-83	14.7	53
10	Comparison of catalytic activities for photocatalytic and sonocatalytic degradation of methylene blue in present of anatase TiO ₂ -CNT catalysts. <i>Ultrasonics Sonochemistry</i> , 2011 , 18, 765-72	8.9	97
9	Degradation of Rhodamine B by Fe-Carbon Nanotubes/TiO ₂ Composites under UV Light in Aerated Solution. <i>Chinese Journal of Catalysis</i> , 2010 , 31, 751-758	11.3	26
8	Relative Photonic Properties of Fe/TiO ₂ -Nanocarbon Catalysts for Degradation of MB Solution under Visible Light. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1128-1134	1.2	6
7	Kinetic Study of the Visible Light-Induced Sonophotocatalytic Degradation of MB Solution in the Presence of Fe/TiO ₂ -MWCNT Catalyst. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1589-1595	1.2	33
6	Characterization of Methylene Blue Decomposition on Fe-ACF/TiO ₂ Photocatalysts Under UV Irradiation with or Without H ₂ O ₂ . <i>Korean Journal of Materials Research</i> , 2009 , 19, 481-487	0.2	4
5	The Photocatalytic Decomposition of Different Organic Dyes under UV Irradiation with and without H ₂ O ₂ on Fe-ACF/TiO ₂ Photocatalysts. <i>Journal of the Korean Ceramic Society</i> , 2009 , 46, 561-567	2.2	14
4	A two-photon tandem black phosphorus quantum dot-sensitized BiVO ₄ photoanode for solar water splitting. <i>Energy and Environmental Science</i> ,	35.4	5
3	Continuous Oxygen Vacancy Gradient in TiO ₂ Photoelectrodes by a Photoelectrochemical-Driven Self-Purification Process. <i>Advanced Energy Materials</i> , 2103495	21.8	4

- 2 Tuning Selectivity of Photoelectrochemical Water Oxidation via Facet-Engineered Interfacial Energetics. *ACS Energy Letters*,4071-4078 20.1 7
- 1 Effect of biogas slurry and sucrose addition on electrokinetic removal of arsenic from paddy soil. *International Journal of Environmental Science and Technology*,1 3.3