

# Kan Zhang

## List of Publications by Citations

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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	Green synthesis of biphasic TiO <sub>2</sub> -reduced graphene oxide nanocomposites with highly enhanced photocatalytic activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3893-901	9.5	457
126	Efficient photoelectrochemical hydrogen production from bismuth vanadate-decorated tungsten trioxide helix nanostructures. <i>Nature Communications</i> , <b>2014</b> , 5, 4775	17.4	320
125	Hierarchical MnCo-layered double hydroxides@Ni(OH) <sub>2</sub> core-shell heterostructures as advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1043-1049	13	233
124	Water Splitting Progress in Tandem Devices: Moving Photolysis beyond Electrolysis. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600602	21.8	216
123	Reduced graphene oxide-TiO <sub>2</sub> nanocomposite with high photocatalytic activity for the degradation of rhodamine B. <i>Journal of Molecular Catalysis A</i> , <b>2011</b> , 345, 101-107		202
122	An order/disorder/water junction system for highly efficient co-catalyst-free photocatalytic hydrogen generation. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 499-503	35.4	201
121	Enhanced chemical interaction between TiO <sub>2</sub> and graphene oxide for photocatalytic decolorization of methylene blue. <i>Chemical Engineering Journal</i> , <b>2012</b> , 193-194, 203-210	14.7	181
120	Single-step solvothermal synthesis of mesoporous Ag-TiO <sub>2</sub> -reduced graphene oxide ternary composites with enhanced photocatalytic activity. <i>Nanoscale</i> , <b>2013</b> , 5, 5093-101	7.7	178
119	Dual Oxygen and Tungsten Vacancies on a WO <sub>3</sub> Photoanode for Enhanced Water Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11819-23	16.4	140
118	Black phosphorene as a hole extraction layer boosting solar water splitting of oxygen evolution catalysts. <i>Nature Communications</i> , <b>2019</b> , 10, 2001	17.4	120
117	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3290-3298	16.4	120
116	Vertically Oriented MoS <sub>2</sub> with Spatially Controlled Geometry on Nitrogenous Graphene Sheets for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703300	21.8	116
115	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> , <b>2015</b> , 13, 182-191	17.1	114
114	Unassisted photoelectrochemical water splitting exceeding 7% solar-to-hydrogen conversion efficiency using photon recycling. <i>Nature Communications</i> , <b>2016</b> , 7, 11943	17.4	109
113	Homogeneous anchoring of TiO <sub>2</sub> nanoparticles on graphene sheets for waste water treatment. <i>Materials Letters</i> , <b>2012</b> , 81, 127-130	3.3	103
112	Conformal Coating Strategy Comprising N-doped Carbon and Conventional Graphene for Achieving Ultrahigh Power and Cyclability of LiFePO <sub>4</sub> . <i>Nano Letters</i> , <b>2015</b> , 15, 6756-63	11.5	101
111	Photoelectrochemical cells with tungsten trioxide/Mo-doped BiVO <sub>4</sub> bilayers. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 11119-24	3.6	100

110	Graphene/acid coassisted synthesis of ultrathin MoS <sub>2</sub> nanosheets with outstanding rate capability for a lithium battery anode. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 9807-12	5.1	98
109	Comparison of catalytic activities for photocatalytic and sonocatalytic degradation of methylene blue in present of anatase TiO <sub>2</sub> -CNT catalysts. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 765-72	8.9	97
108	Ultrathin Bismuth Nanosheets for Stable Na-Ion Batteries: Clarification of Structure and Phase Transition by in Situ Observation. <i>Nano Letters</i> , <b>2019</b> , 19, 1118-1123	11.5	93
107	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4543-4549	13	92
106	Highly Efficient Solar Water Splitting from Transferred TiO <sub>2</sub> Nanotube Arrays. <i>Nano Letters</i> , <b>2015</b> , 15, 5709-15	11.5	85
105	Double-Deck Inverse Opal Photoanodes: Efficient Light Absorption and Charge Separation in Heterojunction. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5592-5597	9.6	81
104	Surface Localization of Defects in Black TiO: Enhancing Photoactivity or Reactivity. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 199-207	6.4	79
103	Solution-processed yolk-shell-shaped WO <sub>3</sub> /BiVO <sub>4</sub> heterojunction photoelectrodes for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2585-2592	13	78
102	Defect-Induced Epitaxial Growth for Efficient Solar Hydrogen Production. <i>Nano Letters</i> , <b>2017</b> , 17, 6676-6683	13.1	77
101	Recent Developments in Polymeric Carbon Nitride-Derived Photocatalysts and Electrocatalysts for Nitrogen Fixation. <i>ACS Catalysis</i> , <b>2019</b> , 9, 10260-10278	13.1	76
100	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> , <b>2015</b> , 3, 4803-4810	13	73
99	Unconventional pore and defect generation in molybdenum disulfide: application in high-rate lithium-ion batteries and the hydrogen evolution reaction. <i>ChemSusChem</i> , <b>2014</b> , 7, 2489-95	8.3	72
98	Enhanced photocatalytic performance of Bi <sub>2</sub> WO <sub>6</sub> by graphene supporter as charge transfer channel. <i>Separation and Purification Technology</i> , <b>2012</b> , 86, 98-105	8.3	72
97	Near-Complete Suppression of Oxygen Evolution for Photoelectrochemical H <sub>2</sub> O <sub>2</sub> Oxidative HO Synthesis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8641-8648	16.4	68
96	Inverse opal structured Fe <sub>2</sub> O <sub>3</sub> on graphene thin films: enhanced photo-assisted water splitting. <i>Nanoscale</i> , <b>2013</b> , 5, 1939-44	7.7	66
95	Hydrogen Peroxide Production from Solar Water Oxidation. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 3018-3027	20.1	65
94	Tunable Bandgap Energy and Promotion of H <sub>2</sub> O <sub>2</sub> Oxidation for Overall Water Splitting from Carbon Nitride Nanowire Bundles. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502352	21.8	65
93	Dual Oxygen and Tungsten Vacancies on a WO <sub>3</sub> Photoanode for Enhanced Water Oxidation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11998-12002	3.6	64

92	Modulating Epitaxial Atomic Structure of Antimonene through Interface Design. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902606	24	63
91	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002121	24	61
90	Synthesis of novel visible light responding vanadate/TiO <sub>2</sub> heterostructure photocatalysts for application of organic pollutants. <i>Chemical Engineering Journal</i> , <b>2011</b> , 175, 76-83	14.7	53
89	Sonodegradation and photodegradation of methyl orange by InVO <sub>4</sub> /TiO <sub>2</sub> nanojunction composites under ultrasonic and visible light irradiation. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 883-9	8.9	51
88	Overcoming Charge Collection Limitation at Solid/Liquid Interface by a Controllable Crystal Deficient Overlayer. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1600923	21.8	51
87	Delocalized Electron Accumulation at Nanorod Tips: Origin of Efficient H <sub>2</sub> Generation. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4527-4534	15.6	51
86	Synthesis of nanostructured ZnO/Bi <sub>2</sub> WO <sub>6</sub> heterojunction for photocatalysis application. <i>Separation and Purification Technology</i> , <b>2012</b> , 92, 115-120	8.3	49
85	Graphene oxide-assisted production of carbon nitrides using a solution process and their photocatalytic activity. <i>Carbon</i> , <b>2014</b> , 66, 119-125	10.4	49
84	Understanding the positive effects of (CoBi) co-catalyst modification in inverse-opal structured BiFeO <sub>3</sub> -based photoelectrochemical cells. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 12725-12732	6.7	46
83	Aligned Heterointerface-Induced 1T-MoS Monolayer with Near-Ideal Gibbs Free for Stable Hydrogen Evolution Reaction. <i>Small</i> , <b>2019</b> , 15, e1804903	11	43
82	Ultrathin tellurium dioxide: emerging direct bandgap semiconductor with high-mobility transport anisotropy. <i>Nanoscale</i> , <b>2018</b> , 10, 8397-8403	7.7	43
81	Graphene oxide papers with high water adsorption capacity for air dehumidification. <i>Scientific Reports</i> , <b>2017</b> , 7, 9761	4.9	42
80	Rapid sonochemical synthesis of irregular nanolaminar-like Bi <sub>2</sub> WO <sub>6</sub> as efficient visible-light-active photocatalysts. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 209-15	8.9	41
79	A magnetic field assisted self-assembly strategy towards strongly coupled Fe <sub>3</sub> O <sub>4</sub> nanocrystal/rGO paper for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9636	13	39
78	Double 2-dimensional H <sub>2</sub> -evolving catalyst tipped photocatalyst nanowires: A new avenue for high-efficiency solar to H <sub>2</sub> generation. <i>Nano Energy</i> , <b>2017</b> , 34, 481-490	17.1	38
77	Tailoring natural layered $\delta$ -phase antimony into few layer antimonene for Li storage with high rate capabilities. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3238-3243	13	37
76	Disordered layers on WO <sub>3</sub> nanoparticles enable photochemical generation of hydrogen from water. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 221-227	13	37
75	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> , <b>2018</b> , 5, 1800010	4.6	35

74	Strategy for Boosting Li-Ion Current in Silicon Nanoparticles. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2252-2258	20.1	35
73	Multiple Heterojunction in Single Titanium Dioxide Nanoparticles for Novel Metal-Free Photocatalysis. <i>Nano Letters</i> , <b>2018</b> , 18, 4257-4262	11.5	35
72	Si-Mn/reduced graphene oxide nanocomposite anodes with enhanced capacity and stability for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1702-8	9.5	34
71	Chemically Modified Graphene Oxide-Wrapped Quasi-Micro Ag Decorated Silver Trimolybdate Nanowires for Photocatalytic Applications. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24023-24032	3.8	34
70	Constructing inverse opal structured hematite photoanodes via electrochemical process and their application to photoelectrochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 11717-22	2.6	33
69	Kinetic Study of the Visible Light-Induced Sonophotocatalytic Degradation of MB Solution in the Presence of Fe/TiO <sub>2</sub> -MWCNT Catalyst. <i>Bulletin of the Korean Chemical Society</i> , <b>2010</b> , 31, 1589-1595	1.2	33
68	Core-Shell Low-Oxidation State Oxides@Reduced Graphene Oxides Cubes via Pressurized Reduction for Highly Stable Lithium Ion Storage. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2959-2965	15.6	33
67	Efficient Combination of G-C N and CDs for Enhanced Photocatalytic Performance: A Review of Synthesis, Strategies, and Applications. <i>Small</i> , <b>2021</b> , 17, e2007523	11	32
66	Sonochemical assisted synthesis of a novel TiO <sub>2</sub> /graphene composite for solar energy conversion. <i>Synthetic Metals</i> , <b>2012</b> , 162, 827-833	3.6	31
65	Physicochemical and photocatalytic activities of self-assembling TiO <sub>2</sub> nanoparticles on nanocarbons surface. <i>Current Applied Physics</i> , <b>2012</b> , 12, 346-352	2.6	29
64	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> , <b>2018</b> , 122, 29559-29567	2.8	27
63	Degradation of Rhodamine B by Fe-Carbon Nanotubes/TiO <sub>2</sub> Composites under UV Light in Aerated Solution. <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 751-758	11.3	26
62	DFT coupled with NEGF study of a promising two-dimensional channel material: black phosphorene-type GaTeCl. <i>Nanoscale</i> , <b>2018</b> , 10, 3350-3355	7.7	25
61	Dual or multi carbonaceous coating strategies for next-generation batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1900-1914	13	24
60	A 3D triple-deck photoanode with a strengthened structure integrality: enhanced photoelectrochemical water oxidation. <i>Nanoscale</i> , <b>2016</b> , 8, 3474-81	7.7	22
59	High-reversible capacity of Perovskite BaSnO <sub>3</sub> /rGO composite for Lithium-Ion Battery Anodes. <i>Electrochimica Acta</i> , <b>2016</b> , 214, 31-37	6.7	22
58	Boosting interfacial charge migration of TiO <sub>2</sub> /BiVO <sub>4</sub> photoanode by W doping for photoelectrochemical water splitting. <i>Electrochimica Acta</i> , <b>2019</b> , 300, 138-144	6.7	20
57	Two-dimensional transition metal diborides: promising Dirac electrocatalysts with large reaction regions toward efficient N <sub>2</sub> fixation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25887-25893	13	20

56	An Ångström-level d-spacing controlling synthetic route for MoS <sub>2</sub> towards stable intercalation of sodium ions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22513-22518	13	20
55	PVdF-HFP/exfoliated graphene oxide nanosheet hybrid separators for thermally stable Li-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 80706-80711	3.7	18
54	Designed seamless outer surface: Application for high voltage LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode with excellent cycling stability. <i>Journal of Power Sources</i> , <b>2016</b> , 336, 307-315	8.9	17
53	Awakening Solar Hydrogen Evolution of MoS in Alkaline Electrolyte through Doping with Co. <i>ChemSusChem</i> , <b>2019</b> , 12, 3336-3342	8.3	16
52	A new curved gradient deficient shell element of absolute nodal coordinate formulation for modeling thin shell structures. <i>Nonlinear Dynamics</i> , <b>2013</b> , 74, 153-164	5	16
51	Epitaxial growth of WO <sub>3</sub> nanoneedles achieved using a facile flame surface treatment process engineering of hole transport and water oxidation reactivity. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19542-19546	13	16
50	Boosting Charge Transport in BiVO Photoanode for Solar Water Oxidation.. <i>Advanced Materials</i> , <b>2021</b> , e2108178	24	15
49	Rationally designed hybrids of NiCo <sub>2</sub> O <sub>4</sub> and polymeric carbon nitride as faradaic electrodes with enhanced electrochemical performance. <i>Electrochimica Acta</i> , <b>2019</b> , 299, 717-726	6.7	15
48	Rationally Designed Copper-Modified Polymeric Carbon Nitride as a Photocathode for Solar Water Splitting. <i>ChemSusChem</i> , <b>2019</b> , 12, 866-872	8.3	15
47	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> , <b>2014</b> , 50, 2589-91	5.8	14
46	The Photocatalytic Decomposition of Different Organic Dyes under UV Irradiation with and without H <sub>2</sub> O <sub>2</sub> on Fe-ACF/TiO <sub>2</sub> Photocatalysts. <i>Journal of the Korean Ceramic Society</i> , <b>2009</b> , 46, 561-567	2.2	14
45	Epigallocatechin-3-gallate protected vanadium-induced eggshell depigmentation via P38MAPK-Nrf2/HO-1 signaling pathway in laying hens. <i>Poultry Science</i> , <b>2018</b> , 97, 3109-3118	3.9	14
44	Rapid deposition of WS <sub>2</sub> platelet thin films as additive-free anode for sodium ion batteries with superior volumetric capacity. <i>Energy Storage Materials</i> , <b>2020</b> , 26, 534-542	19.4	13
43	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3327-3335	3.6	13
42	3D Covalent Organic Frameworks with Interpenetrated pcb Topology Based on 8-Connected Cubic Nodes.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	13
41	A Surface patching strategy to achieve highly efficient solar water oxidation beyond surface passivation effect. <i>Nano Energy</i> , <b>2019</b> , 66, 104110	17.1	12
40	A novel and simple approach for the synthesis of Fe <sub>3</sub> O <sub>4</sub> -graphene composite. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 989-993	2.8	12
39	Why does the second peak of pair correlation functions split in quasi-two-dimensional disordered films?. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 071907	3.4	12

38	Interaction of Rhodamine 6G molecules with graphene: a combined computational-experimental study. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 28418-28427	3.6	11
37	Halide perovskite materials as light harvesters for solar energy conversion. <i>EnergyChem</i> , <b>2020</b> , 2, 100026	6.9	11
36	Defect Dominated Hierarchical Ti-Metal-Organic Frameworks via a Linker Competitive Coordination Strategy for Toluene Removal. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102511	15.6	11
35	Engineering of 2D/2D MoS <sub>2</sub> /Cd <sub>x</sub> Zn <sub>1-x</sub> S Photocatalyst for Solar H <sub>2</sub> Evolution Coupled with Degradation of Plastic in Alkaline Solution. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000427	7.1	11
34	Band engineering realized by chemical combination in 2D group VA/VA materials. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1145-1152	10.8	10
33	Dietary fibre alleviates hepatic fat deposition via inhibiting lipogenic gene expression in meat ducks. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2018</b> , 102, e736-e745	2.6	9
32	Zinc Stannate NanocrystalBased Ultrarapid-Response UV Photodetectors. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800085	6.8	9
31	Boosting the photoelectrochemical activities of all-inorganic perovskite SrTiO <sub>3</sub> nanofibers by engineering homo/hetero junctions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17530-17539	13	9
30	Isolation and expression studies of the ERD15 gene involved in drought-stressed responses. <i>Genetics and Molecular Research</i> , <b>2014</b> , 13, 10852-62	1.2	9
29	Photocatalytic Degradation of Methyl Orange on Platinum and Palladium Co-doped TiO <sub>2</sub> Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2012</b> , 42, 685-691		9
28	Pollen-mediated transgene flow in maize grown in the Huang-huai-hai region in China. <i>Journal of Agricultural Science</i> , <b>2011</b> , 149, 205-216	1	9
27	Enhancing photoelectrochemical performance of the BiMoO photoanode by ferroelectric polarization regulation. <i>Nanoscale</i> , <b>2020</b> , 12, 18446-18454	7.7	9
26	Suppressing Water Dissociation via Control of Intrinsic Oxygen Defects for Awakening Solar H <sub>2</sub> O-to-H <sub>2</sub> O Generation. <i>Small</i> , <b>2021</b> , 17, e2100400	11	9
25	Boosting faradaic reactions of metal oxides on polymeric carbon nitride/PANI hybrid. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 487-494	19.4	9
24	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> , <b>2017</b> , 101, 1297-1306	2.6	8
23	Hollow and yolk-shell structured off-stoichiometric tungsten trioxide via selective leaching and hydrogenation for enhanced lithium storage properties. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 466-472	6.7	8
22	Solution processable formation of a few nanometer thick-disordered overlayer on the surface of open-ended TiO <sub>2</sub> nanotubes. <i>Chemical Communications</i> , <b>2016</b> , 52, 13807-13810	5.8	8
21	Nontopological transformation of hierarchical TiO <sub>2</sub> by self-regulated etching and capping roles of F <sup>-</sup> for photocatalytic H <sub>2</sub> evolution. <i>Applied Surface Science</i> , <b>2019</b> , 473, 738-745	6.7	8

20	Tuning Selectivity of Photoelectrochemical Water Oxidation via Facet-Engineered Interfacial Energetics. <i>ACS Energy Letters</i> , 4071-4078	20.1	7
19	Vertically constructed monolithic electrodes for sodium ion batteries: toward low tortuosity and high energy density. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25985-25992	13	7
18	Porous supraparticles of LiFePO <sub>4</sub> nanorods with carbon for high rate Li-ion batteries. <i>Materials Express</i> , <b>2018</b> , 8, 316-324	1.3	7
17	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> , <b>2019</b> , 7, 4503-4508	7.1	6
16	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> , <b>2017</b> , 31, 1414-1421	2.3	6
15	Relative Photonic Properties of Fe/TiO <sub>2</sub> -Nanocarbon Catalysts for Degradation of MB Solution under Visible Light. <i>Bulletin of the Korean Chemical Society</i> , <b>2010</b> , 31, 1128-1134	1.2	6
14	Engineered Polymeric Carbon Nitride Additive for Energy Storage Materials: A Review. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102300	15.6	6
13	Artificial photosynthesis for high-value-added chemicals: Old material, new opportunity <b>2022</b> , 4, 21-44		6
12	Enhanced photocatalytic activity by the tunnel effect of microstructured InVO <sub>4</sub> /WO <sub>3</sub> heterojunctions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2013</b> , 108, 253-261	1.6	5
11	A two-photon tandem black phosphorus quantum dot-sensitized BiVO <sub>4</sub> photoanode for solar water splitting. <i>Energy and Environmental Science</i> ,	35.4	5
10	Large and reversible sodium storage through interlaced reaction design. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 687-694	19.4	5
9	Cu <sub>2</sub> O/Ti <sub>2</sub> Se Mixed-Phase Nanoflake Arrays: pH-Universal Hydrogen Evolution Reactions with Ultralow Overpotential. <i>ChemElectroChem</i> , <b>2019</b> , 6, 5014-5021	4.3	4
8	Continuous Oxygen Vacancy Gradient in TiO <sub>2</sub> Photoelectrodes by a Photoelectrochemical-Driven Self-Purification Process. <i>Advanced Energy Materials</i> , 2103495	21.8	4
7	Characterization of Methylene Blue Decomposition on Fe-ACF/TiO <sub>2</sub> Photocatalysts Under UV Irradiation with or Without H <sub>2</sub> O <sub>2</sub> . <i>Korean Journal of Materials Research</i> , <b>2009</b> , 19, 481-487	0.2	4
6	BiVO <sub>4</sub> nanosheet with intrinsic V <sup>4+</sup> defective as high-performance cathode for sodium-ion battery. <i>Materials Today Energy</i> , <b>2021</b> , 21, 100756	7	4
5	Au/MoS <sub>2</sub> tips as auxiliary rate aligners for the photocatalytic generation of syngas with a tunable composition. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 308, 121219	21.8	4
4	Pressurized Alloying Assisted Synthesis of High Quality Antimonene for Capacitive Deionization. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102766	15.6	3
3	Redescription of <i>Platevindex mortoni</i> (Gastropoda: Eupulmonata: Onchidiidae) from China. <i>Molluscan Research</i> , <b>2017</b> , 37, 72-78	0.6	1

- 2 P-Type AsP Nanosheet as an Electron Donor for Stable Solar Broad-Spectrum Hydrogen Evolution.  
*ACS Applied Materials & Interfaces*, **2021**, 13, 55102-55111 9.5
- 1 Effect of biogas slurry and sucrose addition on electrokinetic removal of arsenic from paddy soil.  
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