

# Yong Zhou

## List of Publications by Citations

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291  
papers

18,444  
citations

61  
h-index

130  
g-index

309  
ext. papers

20,798  
ext. citations

8.4  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
291	Hydrothermal Dehydration for the Green Reduction of Exfoliated Graphene Oxide to Graphene and Demonstration of Tunable Optical Limiting Properties. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2950-2956	9.6	1285
290	Ionic liquids for the convenient synthesis of functional nanoparticles and other inorganic nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4988-92	16.4	1054
289	Photocatalytic conversion of CO <sub>2</sub> into renewable hydrocarbon fuels: state-of-the-art accomplishment, challenges, and prospects. <i>Advanced Materials</i> , <b>2014</b> , 26, 4607-26	24	1043
288	State-of-the-Art Progress in Diverse Heterostructured Photocatalysts toward Promoting Photocatalytic Performance. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 998-1013	15.6	582
287	High-yield synthesis of ultralong and ultrathin Zn <sub>2</sub> GeO <sub>4</sub> nanoribbons toward improved photocatalytic reduction of CO <sub>2</sub> into renewable hydrocarbon fuel. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14385-7	16.4	553
286	Synthesis of very small TiO <sub>2</sub> nanocrystals in a room-temperature ionic liquid and their self-assembly toward mesoporous spherical aggregates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14960-1	16.4	533
285	Room-Temperature Ionic Liquids as Template to Monolithic Mesoporous Silica with Wormlike Pores via a Sol-Gel Nanocasting Technique. <i>Nano Letters</i> , <b>2004</b> , 4, 477-481	11.5	458
284	Z-Scheme Photocatalytic Systems for Promoting Photocatalytic Performance: Recent Progress and Future Challenges. <i>Advanced Science</i> , <b>2016</b> , 3, 1500389	13.6	446
283	A Novel Ultraviolet Irradiation Photoreduction Technique for the Preparation of Single-Crystal Ag Nanorods and Ag Dendrites. <i>Advanced Materials</i> , <b>1999</b> , 11, 850-852	24	366
282	Robust Hollow Spheres Consisting of Alternating Titania Nanosheets and Graphene Nanosheets with High Photocatalytic Activity for CO <sub>2</sub> Conversion into Renewable Fuels. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 1215-1221	15.6	339
281	High-yield synthesis of ultrathin and uniform Bi <sub>2</sub> WO <sub>6</sub> square nanoplates benefitting from photocatalytic reduction of CO <sub>2</sub> into renewable hydrocarbon fuel under visible light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 3594-601	9.5	324
280	An In Situ Simultaneous Reduction-Hydrolysis Technique for Fabrication of TiO <sub>2</sub> -Graphene 2D Sandwich-Like Hybrid Nanosheets: Graphene-Promoted Selectivity of Photocatalytic-Driven Hydrogenation and Coupling of CO <sub>2</sub> into Methane and Ethane. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1743-1749	15.6	318
279	Versatile Graphene-Promoting Photocatalytic Performance of Semiconductors: Basic Principles, Synthesis, Solar Energy Conversion, and Environmental Applications. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4996-5008	15.6	309
278	Ultrathin, single-crystal WO <sub>3</sub> nanosheets by two-dimensional oriented attachment toward enhanced photocatalytic reduction of CO <sub>2</sub> into hydrocarbon fuels under visible light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3372-7	9.5	290
277	A room-temperature reactive-template route to mesoporous ZnGa <sub>2</sub> O <sub>4</sub> with improved photocatalytic activity in reduction of CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6400-4	16.4	286
276	In situ construction of hierarchical WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> composite hollow microspheres as a Z-scheme photocatalyst for the degradation of antibiotics. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 220, 417-428	21.8	284
275	Microstructuring of graphene oxide nanosheets using direct laser writing. <i>Advanced Materials</i> , <b>2010</b> , 22, 67-71	24	278

274	Multilayer Hybrid Films Consisting of Alternating Graphene and Titania Nanosheets with Ultrafast Electron Transfer and Photoconversion Properties. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 3638-3643	15.6	276
273	Formation of uniform CuO nanorods by spontaneous aggregation: Selective synthesis of CuO, Cu <sub>2</sub> O, and Cu nanoparticles by a solid-liquid phase arc discharge process. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 14011-6	3.4	248
272	Preparation and characterization of Pt supported on graphene with enhanced electrocatalytic activity in fuel cell. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 1012-1018	8.9	240
271	Hexahedron Prism-Anchored Octahedron CeO <sub>2</sub> : Crystal Facet-Based Homo Junction Promoting Efficient Solar Fuel Synthesis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9547-50	16.4	237
270	A Novel Ultraviolet Irradiation Technique for Shape-Controlled Synthesis of Gold Nanoparticles at Room Temperature. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 2310-2312	9.6	230
269	Investigating the Role of Tunable Nitrogen Vacancies in Graphitic Carbon Nitride Nanosheets for Efficient Visible-Light-Driven H <sub>2</sub> Evolution and CO <sub>2</sub> Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 7260-7268	8.3	224
268	Preparation of Highly Ordered Monolithic Super-Microporous Lamellar Silica with a Room-Temperature Ionic Liquid as Template via the Nanocasting Technique. <i>Advanced Materials</i> , <b>2003</b> , 15, 1452-1455	24	197
267	A Series of Highly Ordered, Super-Microporous, Lamellar Silicas Prepared by Nanocasting with Ionic Liquids. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 544-550	9.6	196
266	Construction and Nanoscale Detection of Interfacial Charge Transfer of Elegant Z-Scheme WO <sub>3</sub> /Au/In <sub>2</sub> S <sub>3</sub> Nanowire Arrays. <i>Nano Letters</i> , <b>2016</b> , 16, 5547-52	11.5	171
265	Formation of Silver Nanowires by a Novel Solid-Liquid Phase Arc Discharge Method. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 545-546	9.6	163
264	Recent Advances in Ionic Liquids for Synthesis of Inorganic Nanomaterials. <i>Current Nanoscience</i> , <b>2005</b> , 1, 35-42	1.4	145
263	Zn <sub>2</sub> GeO <sub>4</sub> crystal splitting toward sheaf-like, hyperbranched nanostructures and photocatalytic reduction of CO <sub>2</sub> into CH <sub>4</sub> under visible light after nitridation. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2033-2038		139
262	High-yield synthesis of millimetre-long, semiconducting carbon nitride nanotubes with intense photoluminescence emission and reproducible photoconductivity. <i>Nanoscale</i> , <b>2012</b> , 4, 3687-92	7.7	138
261	Controllable synthesis of nanocrystalline CdS with different morphologies and particle sizes by a novel solvothermal process. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 1283-1287		138
260	Single-crystalline, ultrathin ZnGa <sub>2</sub> O <sub>4</sub> nanosheet scaffolds to promote photocatalytic activity in CO <sub>2</sub> reduction into methane. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2356-61	9.5	131
259	Au@TiO <sub>2</sub> yolk-shell hollow spheres for plasmon-induced photocatalytic reduction of CO <sub>2</sub> to solar fuel via a local electromagnetic field. <i>Nanoscale</i> , <b>2015</b> , 7, 14232-6	7.7	127
258	Urchin-like hierarchical CoZnAl-LDH/RGO/g-C <sub>3</sub> N <sub>4</sub> hybrid as a Z-scheme photocatalyst for efficient and selective CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 255, 117771	21.8	126
257	Convincing Synthesis of Atomically Thin, Single-Crystalline InVO Sheets toward Promoting Highly Selective and Efficient Solar Conversion of CO into CO. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4209-4213	16.4	124

256	All-solid-state Z-scheme system arrays of Fe <sub>2</sub> V <sub>4</sub> O <sub>13</sub> /RGO/CdS for visible light-driving photocatalytic CO <sub>2</sub> reduction into renewable hydrocarbon fuel. <i>Chemical Communications</i> , <b>2015</b> , 51, 800-3	5.8	120
255	Lipid Nanotubes: A Unique Template To Create Diverse One-Dimensional Nanostructures□ <i>Chemistry of Materials</i> , <b>2008</b> , 20, 625-633	9.6	119
254	Preparation and rate capability of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> hollow-sphere anode material. <i>Journal of Power Sources</i> , <b>2007</b> , 166, 514-518	8.9	119
253	Polyhedral 30-Faceted BiVO Microcrystals Predominantly Enclosed by High-Index Planes Promoting Photocatalytic Water-Splitting Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703119	24	117
252	Synthesis of Novel Stable Nanometer-Sized Metal (M = Pd, Au, Pt) Colloids Protected by a □Conjugated Polymer. <i>Langmuir</i> , <b>2002</b> , 18, 277-283	4	113
251	Enhanced Photocatalytic Performance through Magnetic Field Boosting Carrier Transport. <i>ACS Nano</i> , <b>2018</b> , 12, 3351-3359	16.7	111
250	A novel tailored bimodal porous silica with well-defined inverse opal microstructure and super-microporous lamellar nanostructure. <i>Chemical Communications</i> , <b>2003</b> , 2564-5	5.8	105
249	Multi-channeled hierarchical porous carbon incorporated Co <sub>3</sub> O <sub>4</sub> nanopillar arrays as 3D binder-free electrode for high performance supercapacitors. <i>Nano Energy</i> , <b>2016</b> , 20, 94-107	17.1	104
248	Preparation of a novel core-shell nanostructured gold colloid-silk fibroin bioconjugate by the protein in situ redox technique at room temperature. <i>Chemical Communications</i> , <b>2001</b> , 2518-9	5.8	103
247	Photocatalytic reduction of CO <sub>2</sub> over Ag/TiO <sub>2</sub> nanocomposites prepared with a simple and rapid silver mirror method. <i>Nanoscale</i> , <b>2016</b> , 8, 11870-4	7.7	101
246	A Room-Temperature Reactive-Template Route to Mesoporous ZnGa <sub>2</sub> O <sub>4</sub> with Improved Photocatalytic Activity in Reduction of CO <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2010</b> , 122, 6544-6548	3.6	97
245	Construction of unique two-dimensional MoS-TiO hybrid nanojunctions: MoS as a promising cost-effective cocatalyst toward improved photocatalytic reduction of CO to methanol. <i>Nanoscale</i> , <b>2017</b> , 9, 9065-9070	7.7	95
244	One-step growth of CoNi <sub>2</sub> S <sub>4</sub> nanoribbons on carbon fibers as platinum-free counter electrodes for fiber-shaped dye-sensitized solar cells with high performance: Polymorph-dependent conversion efficiency. <i>Nano Energy</i> , <b>2015</b> , 11, 697-703	17.1	94
243	Making patterns on graphene. <i>Advanced Materials</i> , <b>2010</b> , 22, 3615-20	24	91
242	Preparation and Characterization of a Novel Cocrystal Explosive. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 1759-1765	3.5	89
241	Foam□like Co <sub>9</sub> S <sub>8</sub> /Ni <sub>3</sub> S <sub>2</sub> heterostructure nanowire arrays for efficient bifunctional overall water□splitting. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 253, 246-252	21.8	88
240	Hexagonal Nanoplate-Textured Micro-Octahedron Zn <sub>2</sub> SnO <sub>4</sub> : Combined Effects toward Enhanced Efficiencies of Dye-Sensitized Solar Cell and Photoreduction of CO <sub>2</sub> into Hydrocarbon Fuels. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1476-1481	3.5	86
239	Zinc Gallogermanate Solid Solution: A Novel Photocatalyst for Efficiently Converting CO <sub>2</sub> into Solar Fuels. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1839-1845	15.6	79

238	Multilayer Hybrid Films of Titania Semiconductor Nanosheet and Silver Metal Fabricated via Layer-by-Layer Self-Assembly and Subsequent UV Irradiation. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1235-1239	9.6	79
237	Enhanced photovoltaic performance of a dye-sensitized solar cell using graphene-TiO <sub>2</sub> photoanode prepared by a novel in situ simultaneous reduction-hydrolysis technique. <i>Nanoscale</i> , <b>2013</b> , 5, 3481-5	7.7	78
236	Highly Flexible Self-Powered Organolead Trihalide Perovskite Photodetectors with Gold Nanowire Networks as Transparent Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23868-75	9.5	77
235	Instant Preparation of Self-Assembled Metal-Complexed Lipid Nanotubes That Act as Templates to Produce Metal-Oxide Nanotubes. <i>Advanced Materials</i> , <b>2007</b> , 19, 242-246	24	65
234	Rational and scalable fabrication of high-quality WO <sub>3</sub> /CdS core/shell nanowire arrays for photoanodes toward enhanced charge separation and transport under visible light. <i>Nanoscale</i> , <b>2013</b> , 5, 11933-9	7.7	63
233	An Ion-Exchange Phase Transformation to ZnGa <sub>2</sub> O <sub>4</sub> Nanocube Towards Efficient Solar Fuel Synthesis. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 758-763	15.6	63
232	Helical Arrays of CdS Nanoparticles Tracing on a Functionalized Chiral Template of Glycolipid Nanotubes. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 403-406	9.6	62
231	Enriching Hot Electrons via NIR-Photon-Excited Plasmon in WS <sub>2</sub> @Cu Hybrids for Full-Spectrum Solar Hydrogen Evolution. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804055	15.6	62
230	Rational construction of a CdS/reduced graphene oxide/TiO <sub>2</sub> core/shell nanostructure as an all-solid-state Z-scheme system for CO <sub>2</sub> photoreduction into solar fuels. <i>RSC Advances</i> , <b>2015</b> , 5, 88409-88413	2.7	61
229	Unique Zn-doped SnO <sub>2</sub> nano-echinus with excellent electron transport and light harvesting properties as photoanode materials for high performance dye-sensitized solar cell. <i>CrystEngComm</i> , <b>2012</b> , 14, 6462	3.3	59
228	In <sup>3+</sup> -doped BiVO <sub>4</sub> photoanodes with passivated surface states for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10456-10465	13	57
227	Nitrated graphene oxide and its catalytic activity in thermal decomposition of ammonium perchlorate. <i>Materials Research Bulletin</i> , <b>2014</b> , 50, 73-78	5.1	57
226	Preparation, Optical Spectroscopy, and Electrochemical Studies of Novel E-Conjugated Polymer-Protected Stable PbS Colloidal Nanoparticles in a Nonaqueous Solution. <i>Langmuir</i> , <b>2002</b> , 18, 5287-5292	4	57
225	Hollow spheres consisting of Ti <sub>0.91</sub> O <sub>2</sub> /CdS nanohybrids for CO <sub>2</sub> photofixation. <i>Chemical Communications</i> , <b>2015</b> , 51, 13354-7	5.8	55
224	Fabrication of hierarchically assembled microspheres consisting of nanoporous ZnO nanosheets for high-efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14341		54
223	Facile Face-Down Annealing Triggered Remarkable Texture Development in CH <sub>3</sub> NHPbI Films for High-Performance Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6104-6113	9.5	52
222	Double-shelled plasmonic Ag-TiO <sub>2</sub> hollow spheres toward visible light-active photocatalytic conversion of CO <sub>2</sub> into solar fuel. <i>APL Materials</i> , <b>2015</b> , 3, 104416	5.7	50
221	Vertically building Zn <sub>2</sub> SnO <sub>4</sub> nanowire arrays on stainless steel mesh toward fabrication of large-area, flexible dye-sensitized solar cells. <i>Nanoscale</i> , <b>2012</b> , 4, 3490-4	7.7	50

220	State-of-the-art advancements of crystal facet-exposed photocatalysts beyond TiO <sub>2</sub> : Design and dependent performance for solar energy conversion and environment applications. <i>Materials Today</i> , <b>2020</b> , 33, 75-86	21.8	50
219	Monodispersed Nb <sub>2</sub> O <sub>5</sub> Microspheres: Facile Synthesis, Air/Water Interfacial Self-Assembly, Nb <sub>2</sub> O <sub>5</sub> -Based Composite Films, and Their Selective NO <sub>2</sub> Sensing. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500167	4.6	49
218	Preparation of E-conjugated polymer-protected gold nanoparticles in stable colloidal form. <i>Chemical Communications</i> , <b>2001</b> , 613-614	5.8	49
217	One-step growth of 3D CoNi <sub>2</sub> S <sub>4</sub> nanorods and cross-linked NiCo <sub>2</sub> S <sub>4</sub> nanosheet arrays on carbon paper as anodes for high-performance lithium ion batteries. <i>Chemical Communications</i> , <b>2016</b> , 52, 5258-61	5.8	46
216	Gram-Scale Synthesis of Graphene Quantum Dots from Single Carbon Atoms Growth via Energetic Material Deflagration. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4319-4327	9.6	46
215	Na <sub>2</sub> WO <sub>4</sub> /KH <sub>2</sub> PO <sub>4</sub> nanoribbons: large-scale synthesis and visible-light photocatalytic activity of CO <sub>2</sub> into solar fuels. <i>Nanoscale</i> , <b>2014</b> , 6, 1896-900	7.7	44
214	Broad spectral response photodetector based on individual tin-doped CdS nanowire. <i>AIP Advances</i> , <b>2014</b> , 4, 123005	1.5	44
213	Synthesis of a mesoporous single crystal Ga <sub>2</sub> O <sub>3</sub> nanoplate with improved photoluminescence and high sensitivity in detecting CO. <i>Chemical Communications</i> , <b>2010</b> , 46, 6388-90	5.8	44
212	A convenient ultraviolet irradiation technique for in situ synthesis of CdS nanocrystallites at room temperature. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 607-608		44
211	Construction of an all-solid-state artificial Z-scheme system consisting of BiWO <sub>3</sub> /Au/CdS nanostructure for photocatalytic CO reduction into renewable hydrocarbon fuel. <i>Nanotechnology</i> , <b>2017</b> , 28, 274002	3.4	42
210	Improved Surface Charge Transfer in MoO <sub>3</sub> /BiVO <sub>4</sub> Heterojunction Film for Photoelectrochemical Water Oxidation. <i>Electrochimica Acta</i> , <b>2017</b> , 257, 181-191	6.7	42
209	Surfactant-Assisted Preparation of Novel Layered Silver Bromide-Based Inorganic/Organic Nanosheets by Pulsed Laser Ablation in Aqueous Media. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3554-3561	15.6	41
208	Beyond CN E-conjugated metal-free polymeric semiconductors for photocatalytic chemical transformations. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 2147-2172	58.5	41
207	State-of-the-art progress in the use of ternary metal oxides as photoelectrode materials for water splitting and organic synthesis. <i>Nano Today</i> , <b>2019</b> , 28, 100763	17.9	40
206	Porous, single crystalline titanium nitride nanoplates grown on carbon fibers: excellent counter electrodes for low-cost, high performance, fiber-shaped dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2014</b> , 50, 14321-4	5.8	39
205	Prussian blue analogue-derived Ni and Co bimetallic oxide nanoplate arrays block-built from porous and hollow nanocubes for the efficient oxygen evolution reaction. <i>Nanoscale</i> , <b>2019</b> , 11, 11765-11773	7.7	38
204	Controllable growth of dendritic ZnO nanowire arrays on a stainless steel mesh towards the fabrication of large area, flexible dye-sensitized solar cells. <i>Nanoscale</i> , <b>2012</b> , 4, 5454-60	7.7	38
203	Direct Growth of Fe <sub>2</sub> V <sub>4</sub> O <sub>13</sub> Nanoribbons on a Stainless-Steel Mesh for Visible-Light Photoreduction of CO <sub>2</sub> into Renewable Hydrocarbon Fuel and Degradation of Gaseous Isopropyl Alcohol. <i>ChemPlusChem</i> , <b>2013</b> , 78, 274-278	2.8	38

202	Synthesis of one-molecule-thick single-crystalline nanosheets of energetic material for high-sensitive force sensor. <i>Scientific Reports</i> , <b>2012</b> , 2, 698	4.9	37
201	Antimicrobial Nanotubes Consisting of Ag-Embedded Peptidic Lipid-Bilayer Membranes as Delivery Vehicles. <i>Advanced Materials</i> , <b>2009</b> , 21, 1742-1745	24	37
200	Necklace-like chains of hybrid nanospheres consisting of Pd nanocrystals and peptidic lipids. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2456-7	16.4	37
199	Simple method for the fluorinated functionalization of graphene oxide. <i>RSC Advances</i> , <b>2013</b> , 3, 3881	3.7	36
198	Fluorescent Nanotubes Consisting of CdS-Embedded Bilayer Membranes of a Peptide Lipid. <i>Advanced Materials</i> , <b>2007</b> , 19, 1055-1058	24	36
197	Fiber dye-sensitized solar cells consisting of TiO <sub>2</sub> nanowires arrays on Ti thread as photoanodes through a low-cost, scalable route. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11790	13	34
196	Porous ZnO nanosheet arrays constructed on weaved metal wire for flexible dye-sensitized solar cells. <i>Nanoscale</i> , <b>2013</b> , 5, 5102-8	7.7	34
195	Synthesis of highly crystalline In <sub>2</sub> Ge <sub>2</sub> O <sub>7</sub> (En) hybrid sub-nanowires with ultraviolet photoluminescence emissions and their selective photocatalytic reduction of CO <sub>2</sub> into renewable fuel. <i>RSC Advances</i> , <b>2012</b> , 2, 3247	3.7	33
194	Elegant Construction of ZnInS/BiVO Hierarchical Heterostructures as Direct Z-Scheme Photocatalysts for Efficient CO Photoreduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 15092-15100 <sup>33</sup>	9.5	33
193	Artificial Trees for Artificial Photosynthesis: Construction of Dendrite-Structured Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Z-Scheme System for Efficient CO <sub>2</sub> Reduction into Solar Fuels. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6561-6572	6.1	32
192	Lipid Nanotubes: Formation, Templating Nanostructures and Drug Nanocarriers. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2008</b> , 33, 183-196	10.1	32
191	Electrodeposited amorphous cobalt phosphosulfide on Ni foams for highly efficient overall water splitting. <i>Journal of Power Sources</i> , <b>2019</b> , 431, 182-188	8.9	31
190	Lead Selenide Colloidal Quantum Dot Solar Cells Achieving High Open-Circuit Voltage with One-Step Deposition Strategy. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3598-3603	6.4	31
189	Ultralong metaheewettite CaV <sub>6</sub> O <sub>16</sub> ·nH <sub>2</sub> O nanoribbons as novel host materials for lithium storage: Towards high-rate and excellent long-term cyclability. <i>Nano Energy</i> , <b>2016</b> , 22, 38-47	17.1	31
188	Quasi-Topotactic Transformation of FeOOH Nanorods to Robust FeO Porous Nanopillars Triggered with a Facile Rapid Dehydration Strategy for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10141-10146	9.5	30
187	Generalized synthesis of a family of multishelled metal oxide hollow microspheres. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3575	13	30
186	Facile room-temperature surface modification of unprecedented FeB co-catalysts on Fe <sub>2</sub> O <sub>3</sub> nanorod photoanodes for high photoelectrochemical performance. <i>Journal of Catalysis</i> , <b>2017</b> , 352, 113-119	7.3	29
185	Anchoring of black phosphorus quantum dots onto WO nanowires to boost photocatalytic CO conversion into solar fuels. <i>Chemical Communications</i> , <b>2020</b> , 56, 7777-7780	5.8	29

184	Enhanced photoelectrochemical water oxidation on WO <sub>3</sub> nanoflake films by coupling with amorphous TiO <sub>2</sub> . <i>Electrochimica Acta</i> , <b>2018</b> , 283, 871-881	6.7	29
183	Al-ZnO/CdS Photoanode Modified with a Triple Functions Conformal TiO <sub>2</sub> Film for Enhanced Photoelectrochemical Efficiency and Stability. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 255, 117738	21.8	28
182	Synthesis of bionic-macro/microporous MgO-modified TiO <sub>2</sub> for enhanced CO <sub>2</sub> photoreduction into hydrocarbon fuels. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 863-868	11.3	28
181	Bi MoO Nanostrip Networks for Enhanced Visible-Light Photocatalytic Reduction of CO to CH <sub>4</sub> . <i>ChemPhysChem</i> , <b>2017</b> , 18, 3240-3244	3.2	28
180	Vacancy-defect modulated pathway of photoreduction of CO on single atomically thin AgInPS sheets into olefiant gas. <i>Nature Communications</i> , <b>2021</b> , 12, 4747	17.4	28
179	Decorating CoSe <sub>2</sub> hollow nanospheres on reduced graphene oxide as advanced sulfur host material for performance enhanced lithium-sulfur batteries. <i>Nano Research</i> , <b>2019</b> , 12, 2743-2748	10	27
178	Nanowire-based hierarchical tin oxide/zinc stannate hollow microspheres: Enhanced solar energy utilization efficiency for dye-sensitized solar cells and photocatalytic degradation of dyes. <i>Journal of Power Sources</i> , <b>2015</b> , 274, 575-581	8.9	26
177	In situ direct growth of single crystalline metal (Co, Ni) selenium nanosheets on metal fibers as counter electrodes toward low-cost, high-performance fiber-shaped dye-sensitized solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 2304-8	7.7	26
176	Synthesis of Bi <sub>6</sub> Mo <sub>2</sub> O <sub>15</sub> sub-microwires via a molten salt method and enhancing the photocatalytic reduction of CO <sub>2</sub> into solar fuel through tuning the surface oxide vacancies by simple post-heating treatment. <i>CrystEngComm</i> , <b>2013</b> , 15, 9855	3.3	26
175	Preparation and studies of Ag@TiO <sub>2</sub> hybrid nanoparticles of core-shell structure. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 67, 95-98	3.1	26
174	In situ no-slot joint integration of half-metallic C(CN) <sub>3</sub> cocatalyst into g-C <sub>3</sub> N <sub>4</sub> scaffold: An absolute metal-free in-plane heterosystem for efficient and selective photoconversion of CO <sub>2</sub> into CO. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 264, 118470	21.8	26
173	Electrophoretic deposition of graphene-TiO <sub>2</sub> hierarchical spheres onto Ti thread for flexible fiber-shaped dye-sensitized solar cells. <i>Materials and Design</i> , <b>2016</b> , 105, 352-358	8.1	26
172	Construction of Visible-Light-Responsive SrTiO <sub>3</sub> with Enhanced CO <sub>2</sub> Adsorption Ability: Highly Efficient Photocatalysts for Artificial Photosynthesis. <i>Catalysis Letters</i> , <b>2015</b> , 145, 640-646	2.8	25
171	One step fabrication of Mn <sub>3</sub> O <sub>4</sub> /carbonated bacterial cellulose with excellent catalytic performance upon ammonium perchlorate decomposition. <i>Materials Research Bulletin</i> , <b>2014</b> , 60, 802-807	5.1	25
170	Metallic molybdenum sulfide nanodots as platinum-alternative co-catalysts for photocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , <b>2019</b> , 374, 237-245	7.3	24
169	Multi-layered MoS <sub>2</sub> phototransistors as high performance photovoltaic cells and self-powered photodetectors. <i>RSC Advances</i> , <b>2015</b> , 5, 45239-45248	3.7	24
168	Ultrathin LiFePO <sub>4</sub> nanosheets self-assembled with reduced graphene oxide applied in high rate lithium ion batteries for energy storage. <i>Applied Energy</i> , <b>2017</b> , 195, 1079-1085	10.7	24
167	Recent Progress in Biomolecule-Templated Nanomaterials. <i>Current Nanoscience</i> , <b>2006</b> , 2, 123-134	1.4	24



166	Series of ZnSn(OH) Polyhedra: Enhanced CO Dissociation Activation and Crystal Facet-Based Homo Junction Boosting Solar Fuel Synthesis. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5704-5709	5.1	23
165	Unconventional gas-based bottom-up, meter-area-scale fabrication of hydrogen-bond free g-CN nanorod arrays and coupling layers with TiO toward high-efficiency photoelectrochemical performance. <i>Nanoscale</i> , <b>2018</b> , 10, 3342-3349	7.7	23
164	Synthesis of single-crystalline, porous TaON microspheres toward visible-light photocatalytic conversion of CO <sub>2</sub> into liquid hydrocarbon fuels. <i>RSC Advances</i> , <b>2016</b> , 6, 90792-90796	3.7	23
163	Aligned Nanocables: Controlled Sheathing of CuO Nanowires by a Self-Assembled Tubular Glycolipid. <i>Advanced Materials</i> , <b>2007</b> , 19, 4194-4197	24	23
162	Star-shaped multi-arm polymeric ionic liquid based on tetraalkylammonium cation as high performance gel electrolyte for lithium metal batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 301, 284-293	6.7	22
161	Exquisite design of porous carbon microtubule-scaffolding hierarchical InO-ZnInS heterostructures toward efficient photocatalytic conversion of CO into CO. <i>Nanoscale</i> , <b>2020</b> , 12, 14676-14681	7.7	22
160	Pyridinic-nitrogen highly doped nanotubular carbon arrays grown on a carbon cloth for high-performance and flexible supercapacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 3981-3989	7.7	22
159	Versatile nanobead-scaffolded N-SnO <sub>2</sub> mesoporous microspheres: one-step synthesis and superb performance in dye-sensitized solar cell, gas sensor, and photocatalytic degradation of dye. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 524-531	13	22
158	Egg-white-mediated crystallization of calcium carbonate. <i>Journal of Crystal Growth</i> , <b>2012</b> , 361, 217-224	1.6	22
157	Passivation Strategy of Reducing Both Electron and Hole Trap States for Achieving High-Efficiency PbS Quantum-Dot Solar Cells with Power Conversion Efficiency over 12%. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3224-3236	20.1	22
156	Boosting the hydrogen evolution performance of a ternary Mo <sub>x</sub> Co <sub>1-x</sub> P nanowire array by tuning the Mo/Co ratio. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14842-14848	13	21
155	Thermodynamic and Kinetic Influence of Oxygen Vacancies on the Solar Water Oxidation Reaction of FeO Photoanodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 11625-11634	9.5	21
154	Zn Cd S tunable band structure-directing photocatalytic activity and selectivity of visible-light reduction of CO into liquid solar fuels. <i>Nanotechnology</i> , <b>2018</b> , 29, 064003	3.4	21
153	A novel in situ simultaneous polymerization/hydrolysis technique for fabrication of polyacrylamide/semiconductor MS(M = Cd, Zn, Pb) nanocomposites. <i>Chemical Communications</i> , <b>1999</b> , 1229-1230	5.8	21
152	Stainless steel mesh-supported three-dimensional hierarchical SnO <sub>2</sub> /Zn <sub>2</sub> SnO <sub>4</sub> composite for the applications in solar cell, gas sensor, and photocatalysis. <i>Applied Surface Science</i> , <b>2020</b> , 502, 144113	6.7	21
151	Self-assembly optimization of cadmium/molybdenum sulfide hybrids by cation coordination competition toward extraordinarily efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18396-18402	13	21
150	Unique homo-heterojunction synergistic system consisting of stacked BiOCl nanoplate/Zn-Cr layered double hydroxide nanosheets promoting photocatalytic conversion of CO into solar fuels. <i>Chemical Communications</i> , <b>2018</b> , 54, 5126-5129	5.8	20
149	Flux synthesis of regular BiTaOCl square nanoplates exhibiting dominant exposure surfaces of {001} crystal facets for photocatalytic reduction of CO to methane. <i>Nanoscale</i> , <b>2018</b> , 10, 1905-1911	7.7	20

148	Synthesis of Fe ultrafine particles in a saturated salt solution/isopropanol/PVP microemulsion and their structural characterization. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 53-58	5.1	20
147	Preparation of an FeNi MOF on nickel foam as an efficient and stable electrocatalyst for the oxygen evolution reaction.. <i>RSC Advances</i> , <b>2019</b> , 9, 33558-33562	3.7	20
146	PbI heterogeneous-cap-induced crystallization for an efficient CHNHPI layer in perovskite solar cells. <i>Chemical Communications</i> , <b>2017</b> , 53, 5032-5035	5.8	19
145	Ferrous sulfide-assisted hollow carbon spheres as sulfur host for advanced lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 1040-1047	14.7	19
144	Four-armed branching and thermally integrated imidazolium-based polymerized ionic liquid as an all-solid-state polymer electrolyte for lithium metal battery. <i>Electrochimica Acta</i> , <b>2019</b> , 324, 134827	6.7	19
143	Nanostructured SnO <sub>2</sub> photoanode-based dye-sensitized solar cells. <i>Science Bulletin</i> , <b>2014</b> , 59, 2122-2134		19
142	Solution-chemical route to generalized synthesis of metal germanate nanowires with room-temperature, light-driven hydrogenation activity of CO <sub>2</sub> into renewable hydrocarbon fuels. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 359-64	5.1	19
141	Hen eggwhite-mediated stack crystallization of calcium carbonate. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 831-836	1.6	19
140	Three-dimensional Bi <sub>2</sub> MoO <sub>6</sub> /TiO <sub>2</sub> array heterojunction photoanode modified with cobalt phosphate cocatalyst for high-efficient photoelectrochemical water oxidation. <i>Catalysis Today</i> , <b>2019</b> , 335, 262-268	5.3	19
139	Domino Effect: Gold Electrocatalyzing Lithium Reduction to Accelerate Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5257-5261	16.4	19
138	3D hierarchical architecture collaborating with 2D/2D interface interaction in NiAl-LDH/Ti <sub>3</sub> C <sub>2</sub> nanocomposite for efficient and selective photoconversion of CO <sub>2</sub> . <i>Journal of Energy Chemistry</i> , <b>2021</b> , 59, 9-18	12	19
137	Theoretical and experimental studies on three water-stable, isostructural, paddlewheel based semiconducting metal-organic frameworks. <i>Dalton Transactions</i> , <b>2017</b> , 46, 8204-8218	4.3	18
136	State-of-the-Art Progress in Diverse Black Phosphorus-Based Structures: Basic Properties, Synthesis, Stability, Photo- and Electrocatalysis-Driven Energy Conversion. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005197	15.6	18
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134	Highly symmetrical, 24-faceted, concave BiVO polyhedron bounded by multiple high-index facets for prominent photocatalytic O evolution under visible light. <i>Chemical Communications</i> , <b>2019</b> , 55, 4777-4780	5.8	17
133	TiO <sub>2</sub> nanosheet-anchoring Au nanoplates: high-energy facet and wide spectra surface plasmon-promoting photocatalytic efficiency and selectivity for CO <sub>2</sub> reduction. <i>RSC Advances</i> , <b>2016</b> , 6, 81510-81516	3.7	17
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127	Boosting solar water oxidation activity and stability of BiVO <sub>4</sub> photoanode through the Co-catalytic effect of CuCoO <sub>2</sub> . <i>Electrochimica Acta</i> , <b>2019</b> , 304, 301-311	6.7	16
126	Boosted Water Oxidation Activity and Kinetics on BiVO Photoanodes with Multihigh-Index Crystal Facets. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15280-15288	5.1	16
125	Nanosheet-assembling Hierarchical Zinc Stannate Microspheres for Enhanced Efficiency of Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , <b>2015</b> , 152, 25-30	6.7	15
124	Preparation and dielectric properties of SiC nanowires self-sacrificially templated by carbonated bacterial cellulose. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 687-690	5.1	15
123	Reduced-graphene-oxide-loaded MoS <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> nanorod arrays on Ni foam as an efficient and stable electrocatalyst for the hydrogen evolution reaction. <i>Electrochemistry Communications</i> , <b>2019</b> , 99, 22-26	5.1	15
122	Compacted stainless steel mesh-supported Co <sub>3</sub> O <sub>4</sub> porous nanobelts for HCHO catalytic oxidation and Co <sub>3</sub> O <sub>4</sub> @Co <sub>3</sub> S <sub>4</sub> via in situ sulfurization as platinum-free counter electrode for flexible dye-sensitized solar cells. <i>Applied Surface Science</i> , <b>2021</b> , 536, 147815	6.7	15
121	Magnetic Field-Assisted Photoelectrochemical Water Splitting: The Photoelectrodes Have Weaker Nonradiative Recombination of Carrier. <i>ACS Catalysis</i> , <b>2021</b> , 11, 1242-1247	13.1	15
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117	Synthesis and characterization of NiP <sub>2</sub> /NiO <sub>2</sub> ultrafine composite particles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2000</b> , 77, 135-137	3.1	14
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112	Refined Z-scheme charge transfer in facet-selective BiVO <sub>4</sub> /Au/CdS heterostructure for solar overall water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 8531-8538	6.7	13
111	Insight into the Kinetic Influence of Oxygen Vacancies on the WO Photoanodes for Solar Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 6159-6165	6.4	12
110	BiVO tubular structures: oxygen defect-rich and largely exposed reactive {010} facets synergistically boost photocatalytic water oxidation and the selective N[double bond, length as m-dash]N coupling reaction of 5-amino-1H-tetrazole. <i>Chemical Communications</i> , <b>2019</b> , 55, 5635-5638	5.8	12
109	Two-photon excited photoluminescence of single perovskite nanocrystals. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 154201	3.9	12
108	Formation of 3D interconnectively macro/mesoporous TiO <sub>2</sub> sponges through gelation of lotus root starch toward CO <sub>2</sub> photoreduction into hydrocarbon fuels. <i>RSC Advances</i> , <b>2014</b> , 4, 43172-43177	3.7	12
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100	Pyridine-Diketopyrrolopyrrole-Based Novel Metal-Free Visible-Light Organophotoredox Catalyst for Atom-Transfer Radical Polymerization. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 1068-1075	2.8	11
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91	Selective doping of titanium into double layered hematite nanorod arrays for improved photoelectrochemical water splitting. <i>Applied Surface Science</i> , <b>2019</b> , 486, 312-322	6.7	10
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65	Preparation of metal or alloy sulfide nanoparticles by electrochemical deposition. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 1463-1468	5.1	7
64	Bismuth Vacancy-Induced Efficient CO Photoreduction in BiOCl Directly from Natural Air: A Progressive Step toward Photosynthesis in Nature. <i>Nano Letters</i> , <b>2021</b> ,	11.5	7
63	Ultrathin nanosheet-anchored hexahedral prismatic Bi <sub>2</sub> MoO <sub>6</sub> arrays: one-step constructed and crystal facet-based homojunctions boosting photocatalytic CO <sub>2</sub> reduction and N <sub>2</sub> fixation. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 7045-7050	5.5	7
62	In situ construction of a 2D/2D heterostructured ZnIn <sub>2</sub> S <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> Z-scheme system for boosting the photoreduction activity of Cr(VI). <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 3885-3893	5.5	7
61	Severe corrosion of copper in a highly alkaline egg white solution due to a biuret corrosion reaction. <i>Corrosion Science</i> , <b>2015</b> , 94, 270-274	6.8	6
60	Plasmonic Cocatalyst with Electric and Thermal Stimuli Boots Solar Hydrogen Evolution. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000094	7.1	6
59	Room Temperature Surface Modification of Ultrathin FeOOH Cocatalysts on Fe <sub>2</sub> O <sub>3</sub> Photoanodes for High Photoelectrochemical Water Splitting. <i>Journal of Nanomaterials</i> , <b>2020</b> , 2020, 1-7	3.2	6

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56	In Situ Determination of Polaron-Mediated Ultrafast Electron Trapping in Rutile TiO Nanorod Photoanodes. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10815-10822	6.4	6
55	Host/Guest Nanostructured Photoanodes Integrated with Targeted Enhancement Strategies for Photoelectrochemical Water Splitting. <i>Advanced Science</i> , <b>2021</b> , e2103744	13.6	6
54	In situ preparation of Bi <sub>2</sub> S <sub>3</sub> nanoribbon-anchored BiVO <sub>4</sub> nanoscroll heterostructures for the catalysis of Cr(VI) photoreduction. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 3843-3847	5.5	6
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52	A Novel Ultraviolet Irradiation Photoreduction Technique for the Preparation of Single-Crystal Ag Nanorods and Ag Dendrites <b>1999</b> , 11, 850		6
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50	Influence of copper (II) on biomineralization of CaCO <sub>3</sub> and preparation of micron pearl-like biomimetic CaCO <sub>3</sub> . <i>Ceramics International</i> , <b>2019</b> , 45, 14354-14359	5.1	5
49	Biomimetic assembly of multilevel hydroxyapatite using bacterial cellulose hydrogel as a reactor. <i>CrystEngComm</i> , <b>2019</b> , 21, 4859-4863	3.3	5
48	Instant, template-free and fluorine-free synthesis of TiO <sub>2</sub> nanotube arrays with a room-temperature solid-liquid arc discharge technique. <i>CrystEngComm</i> , <b>2012</b> , 14, 7583	3.3	5
47	Achieving Direct Z-Scheme Charge Transfer through Constructing 2D/2D Fe <sub>2</sub> O <sub>3</sub> /CdS Heterostructure for Efficient Photocatalytic CO <sub>2</sub> Conversion. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 23142-23152	3.8	5
46	Surface-state-mediated interfacial charge dynamics between carbon dots and ZnO toward highly promoting photocatalytic activity. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 044708	3.9	5
45	Egg-white Templating of Hierarchically Macroporous Architectures of SiO <sub>2</sub> , TiO <sub>2</sub> and C/SiCN Nanocables, and Photocatalytic Properties. <i>Current Nanoscience</i> , <b>2011</b> , 7, 1004-1008	1.4	4
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42	Objective Findings on the K-Doped -CN Photocatalysts: The Presence and Influence of Organic Byproducts on K-Doped -CN Photocatalysis. <i>Langmuir</i> , <b>2021</b> , 37, 4859-4868	4	4
41	Synthesis of hierarchical ordered porous functional materials using willow wickers as templates for recyclable photo-catalytic applications. <i>Journal of Porous Materials</i> , <b>2016</b> , 23, 225-230	2.4	4

40	A Compact and Smooth CH <sub>3</sub> NH <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> Film: Investigation of Solvent Sorts and Concentrations of CH <sub>3</sub> NH <sub>2</sub> towards Highly Efficient Perovskite Solar Cells. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	4
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38	Plasmonic Cocatalyst with Electric and Thermal Stimuli Boosts Solar Hydrogen Evolution. <i>Solar Rrl</i> , <b>2020</b> , 4, 2070062	7.1	3
37	Dendrite growth of energetic material RDX. <i>Journal of Crystal Growth</i> , <b>2012</b> , 351, 56-61	1.6	3
36	Morphology control and optical properties of organic nanostructures based on thermotropic liquid crystalline benzoated bacterial cellulose. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 551-554	10.3	3
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32	Few-Layer Pbl Nanoparticle: A 2D Semiconductor with Lateral Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 7863-7869	6.4	3
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23	Domino Effect: Gold Electrocatalyzing Lithium Reduction to Accelerate Nitrogen Fixation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5317-5321	3.6	2



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21	Engineering Self-Reconstruction via Flexible Components in Layered Double Hydroxides for Superior-Evolving Performance. <i>Small</i> , <b>2021</b> , 17, e2101671	11	2
20	Dimensional matched ultrathin BiVO <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> heterosystem for efficient photocatalytic conversion of CO <sub>2</sub> to methanol. <i>Materials Letters</i> , <b>2022</b> , 306, 130937	3.3	2
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11	Dual-functional water splitting: Electro-fenton-like pollutants degradation from anode reaction and hydrogen fuel production from cathode reaction. <i>Electrochimica Acta</i> , <b>2021</b> , 394, 139122	6.7	1
10	State-of-the-art advancements of transition metal oxides as photoelectrode materials for solar water splitting. <i>Rare Metals</i> , <b>2021</b> , 10, 1-10	5.5	1
9	Molybdenum Sulfide Quantum Dots Decorated on TiO <sub>2</sub> for Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 702-709	5.6	1
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