

Yawei Yang

List of Publications by Year in descending order

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31
papers

1,675
citations

394421

19
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454955

30
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docs citations

31
times ranked

2154
citing authors

#	ARTICLE	IF	CITATIONS
1	2D/2D Schottky heterojunction of in-situ growth FAPbBr ₃ /Ti ₃ C ₂ composites for enhancing photocatalytic CO ₂ reduction. Journal of Colloid and Interface Science, 2022, 610, 538-545.	9.4	26
2	Defect engineering-driven phase structure design of 2H@1T MoS ₂ for electrochemical hydrogen evolution reaction. Materials Letters, 2022, 311, 131624.	2.6	4
3	2D/1D MXene/MWCNT Hybrid Membrane-Based Evaporator for Solar Desalination. Materials, 2022, 15, 929.	2.9	18
4	Passive Solar-driven Interfacial Evaporation Nanosystems: Beyond Desalination Towards Multiple Applications. Recent Patents on Nanotechnology, 2022, 16, .	1.3	0
5	Fabrication of Nanoparticle/Polymer Composite Photocatalytic Membrane for Domestic Sewage In Situ Treatment. Materials, 2022, 15, 2466.	2.9	3
6	In Situ Electrosynthesis of MAX-derived Electrocatalysts for Superior Hydrogen Evolution Reaction. Small, 2022, 18, .	10.0	11
7	Colloidal formamidinium lead bromide quantum dots for photocatalytic CO ₂ reduction. Materials Letters, 2021, 282, 128695.	2.6	18
8	PbS QD-based photodetectors: future-oriented near-infrared detection technology. Journal of Materials Chemistry C, 2021, 9, 417-438.	5.5	64
9	Recent advances in g-C ₃ N ₄ composites within four types of heterojunctions for photocatalytic CO ₂ reduction. Nanoscale, 2021, 13, 6692-6712.	5.6	68
10	Recent advanced self-propelling salt-blocking technologies for passive solar-driven interfacial evaporation desalination systems. Nano Energy, 2021, 89, 106468.	16.0	106
11	Anchoring of Formamidinium Lead Bromide Quantum Dots on Ti ₃ C ₂ Nanosheets for Efficient Photocatalytic Reduction of CO ₂ . ACS Applied Materials & Interfaces, 2021, 13, 6180-6187.	8.0	64
12	Innovative salt-blocking technologies of photothermal materials in solar-driven interfacial desalination. Journal of Materials Chemistry A, 2021, 9, 16233-16254.	10.3	107
13	Surface passivation extends single and biexciton lifetimes of InP quantum dots. Chemical Science, 2020, 11, 5779-5789.	7.4	47
14	Reversible photoactivation in coordination polymer-derived CdS/Co ^{II} N species composites for enhanced photocatalytic hydrogen evolution. Sustainable Energy and Fuels, 2020, 4, 2559-2568.	4.9	2
15	Flexible organic-inorganic hybrid bioceramic for bone tissue regeneration. Journal of Advanced Dielectrics, 2020, 10, 2050013.	2.4	3
16	Shape tailored Cu ₂ ZnSnS ₄ nanosheet aggregates for high efficiency solar desalination. Materials Research Bulletin, 2019, 118, 110529.	5.2	21
17	Size- and Morphology-Dependent Auger Recombination in CsPbBr ₃ Perovskite Two-Dimensional Nanoplatelets and One-Dimensional Nanorods. Nano Letters, 2019, 19, 5620-5627.	9.1	53
18	Membrane assembled from anti-fouling copper-zinc-tin-selenide nanocarambolas for solar-driven interfacial water evaporation. Chemical Engineering Journal, 2019, 373, 955-962.	12.7	87

#	ARTICLE	IF	CITATIONS
19	Macroporous 3D MXene architecture for solar-driven interfacial water evaporation. <i>Journal of Advanced Dielectrics</i> , 2019, 09, 1950047.	2.4	9
20	Solid-state synthesis of ZnO nanorods coupled with reduced graphene oxide for photocatalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4888-4894.	2.2	9
21	A general salt-resistant hydrophilic/hydrophobic nanoporous double layer design for efficient and stable solar water evaporation distillation. <i>Materials Horizons</i> , 2018, 5, 1143-1150.	12.2	232
22	A hydrophobic surface enabled salt-blocking 2D Ti ₃ C ₂ MXene membrane for efficient and stable solar desalination. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16196-16204.	10.3	351
23	Facile One-Pot Synthesis of Ternary Copper-Tin-Chalcogenide Quantum Dots on Reduced Graphene Oxide for Enhanced Photocatalytic Activity. <i>Catalysis Letters</i> , 2018, 148, 3112-3118.	2.6	10
24	Construction of High-Quality SnO ₂ @MoS ₂ Nanohybrids for Promising Photoelectrocatalytic Applications. <i>Inorganic Chemistry</i> , 2017, 56, 3386-3393.	4.0	42
25	Improved capacitance of nitrogen-doped delaminated two-dimensional titanium carbide by urea-assisted synthesis. <i>Electrochimica Acta</i> , 2017, 225, 416-424.	5.2	120
26	Synthesis of high quality CuO nanoflakes and CuO@Au nanohybrids for superior visible light photocatalytic behavior. <i>RSC Advances</i> , 2016, 6, 81607-81613.	3.6	19
27	Construction of ZnO/Cu ₂ SnS ₃ nanorod array films for enhanced photoelectrochemical and photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 104041-104048.	3.6	19
28	Facile synthesis of ZnO/CuInS ₂ nanorod arrays for photocatalytic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2016, 317, 430-439.	12.4	69
29	TiO ₂ passivation for improved efficiency and stability of ZnO nanorods based perovskite solar cells. <i>RSC Advances</i> , 2016, 6, 57996-58002.	3.6	41
30	New architecture of a petal-shaped Nb ₂ O ₅ nanosheet film on FTO glass for high photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 9581-9588.	3.6	22
31	Fabrication of Bi ₂ Sn ₂ O ₇ -ZnO heterostructures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 27576-27583.	3.6	30