

Huizhen Yao

List of Publications by Year in descending order

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papers

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933447

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times ranked

782
citing authors

#	ARTICLE	IF	CITATIONS
1	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900123.	8.7	76
2	Simple synthesis method of Bi ₂ S ₃ /CdS quantum dots cosensitized TiO ₂ nanotubes array with enhanced photoelectrochemical and photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 7548.	2.6	73
3	Synthesis of bismuth sulfide nanobelts for high performance broadband photodetectors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2102-2108.	5.5	43
4	Significant photoluminescence enhancement in WS ₂ monolayers through Na ₂ S treatment. <i>Nanoscale</i> , 2018, 10, 6105-6112.	5.6	35
5	Effect of mechanical forces on thermal stability reinforcement for lead based perovskite materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 540-548.	10.3	26
6	Efficient improvement of photoelectrochemical activity for multiple semiconductor (CdS/PbS/ZnS) co-sensitized TiO ₂ photoelectrodes by hydrogen treatment. <i>RSC Advances</i> , 2015, 5, 6462-6469.	3.6	16
7	Facile synthesis of a dual-phase CsPbBr ₃ /CsPb ₂ Br ₅ single crystal and its photoelectric performance. <i>RSC Advances</i> , 2020, 10, 20745-20752.	3.6	13
8	Two-Dimensional Hybrid Composites of SnS ₂ Nanosheets Array Film with Graphene for Enhanced Photoelectric Performance. <i>Nanomaterials</i> , 2019, 9, 1122.	4.1	12
9	Template growth of perovskites on yarn fibers induced by capillarity for flexible photoelectric applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9496-9503.	5.5	12
10	High-Performance Photoresistors Based on Perovskite Thin Film with a High Pbl ₂ Doping Level. <i>Nanomaterials</i> , 2019, 9, 505.	4.1	12
11	Post-treatment of CH ₃ NH ₃ PbI ₃ /PbI ₂ Composite Films with Methylamine to Realize High-performance Photoconductor Devices. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2861-2868.	3.3	7
12	Varied crystalline orientation of anatase TiO ₂ nanotubes from [101] to [001] promoted by TiF ₆ ²⁻ ions and their enhanced photoelectrochemical performance. <i>Journal of Materials Science</i> , 2018, 53, 3332-3340.	3.7	5
13	Thermal-Assisted Vertical Electron Injections in Few-Layer Pyramidal-Structured MoS ₂ Crystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1292-1299.	4.6	5