

Huizhen Yao

List of Publications by Year in descending order

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papers

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