

Yuanlin Shi

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

599
citations

567281

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times ranked

762
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Near-infrared heterojunction field modulated phototransistors with distinct photodetection/photostorage switching features for artificial visuals. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9198-9207. | 5.5 | 3 |
| 2 | A silicon-based PbSe quantum dot near-infrared photodetector with spectral selectivity. <i>Nanoscale</i> , 2021, 13, 12306-12313. | 5.6 | 19 |
| 3 | Type-III organic/two-dimensional multi-layered phototransistors with promoted operation speed at the communication band. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13963-13971. | 5.5 | 6 |
| 4 | Effect of low-valence vanadium buffer layer on the properties of vanadium oxide film. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1715-1721. | 2.2 | 1 |
| 5 | A 3D topological Dirac semimetal/MoO ₃ thin film heterojunction infrared photodetector with a current reversal phenomenon. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16024-16031. | 5.5 | 10 |
| 6 | Light-modulated vertical heterojunction phototransistors with distinct logical photocurrents. <i>Light: Science and Applications</i> , 2020, 9, 167. | 16.6 | 40 |
| 7 | Photodetectors: Ultrahigh Stability 3D TI Bi ₂ Se ₃ /MoO ₃ Thin Film Heterojunction Infrared Photodetector at Optical Communication Waveband (<i>Adv. Funct. Mater.</i>) Tj ETQq1 1 0.784314 rgBTi/Overlo | 14.9 | 50 |
| 8 | Design and preparation of a VO ₂ -based high-performance metamaterial for smart windows. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1. | 2.3 | 6 |
| 9 | Improvement of phase transition properties of magnetron sputtered W-doped VO ₂ films by post-annealing approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4150-4160. | 2.2 | 19 |
| 10 | Ultrahigh Stability 3D TI Bi ₂ Se ₃ /MoO ₃ Thin Film Heterojunction Infrared Photodetector at Optical Communication Waveband. <i>Advanced Functional Materials</i> , 2020, 30, 1909659. | 14.9 | 50 |
| 11 | Effects of copper doping of vanadium dioxide films on DC and terahertz conductivity. <i>Journal of Applied Physics</i> , 2020, 127, 033103. | 2.5 | 2 |
| 12 | Silicon-based PbS-CQDs infrared photodetector with high sensitivity and fast response. <i>Nanotechnology</i> , 2020, 31, 485206. | 2.6 | 17 |
| 13 | Ultraviolet to Long-Wave Infrared Photodetectors Based on a Three-Dimensional Dirac Semimetal/Organic Thin Film Heterojunction. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3914-3921. | 4.6 | 29 |
| 14 | Polarimetric Three-Dimensional Topological Insulators/Organics Thin Film Heterojunction Photodetectors. <i>ACS Nano</i> , 2019, 13, 10810-10817. | 14.6 | 20 |
| 15 | Far-IR transmittance and metal-insulator phase transition properties of VO ₂ films using Al ₂ O ₃ as buffer layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6448-6458. | 2.2 | 2 |
| 16 | Three-Dimensional Topological Insulator Bi ₂ Te ₃ /Organic Thin Film Heterojunction Photodetector with Fast and Wideband Response from 450 to 3500 Nanometers. <i>ACS Nano</i> , 2019, 13, 755-763. | 14.6 | 68 |
| 17 | Electrically tunable mid-infrared antennas based on VO ₂ . <i>Journal of Modern Optics</i> , 2018, 65, 1809-1816. | 1.3 | 15 |
| 18 | Effect of Fe doping on thermochromic properties of VO ₂ films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5501-5508. | 2.2 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Phototransistors: Graphene/Organic Semiconductor Heterojunction Phototransistors with Broadband and Bi-directional Photoresponse (Adv. Mater. 49/2018). Advanced Materials, 2018, 30, 1870379. | 21.0 | 2 |
| 20 | Graphene/Organic Semiconductor Heterojunction Phototransistors with Broadband and Bi-directional Photoresponse. Advanced Materials, 2018, 30, e1804020. | 21.0 | 103 |
| 21 | High thermochromic performance of Fe/Mg co-doped VO ₂ thin films for smart window applications. Journal of Materials Chemistry C, 2018, 6, 6502-6509. | 5.5 | 72 |
| 22 | Metal-insulator transition properties of sputtered silicon-doped and un-doped vanadium dioxide films at terahertz range. Applied Surface Science, 2015, 331, 92-97. | 6.1 | 35 |
| 23 | Enhancement of VO ₂ thermochromic properties by Si doping. Surface and Coatings Technology, 2015, 276, 248-253. | 4.8 | 37 |
| 24 | Preparation and phase transition properties of nanostructured zirconium-doped vanadium oxide films by reactive magnetron sputtering. Thin Solid Films, 2014, 568, 63-69. | 1.8 | 17 |