# Wenbin Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4192378/publications.pdf

Version: 2024-02-01

| 21 | 2,140 | 394421 19 | 713466 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 2087 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Investigation on the Secondary Generation of Natural Gas Hydrates in Horizontal Wellbore Caused by Pressure Jump during the Depressurization Development of Hydrate Bearing Layers. Geofluids, 2020, 2020, 1-14. | 0.7 | 3 |
| 2 | Synthesis of CeO‹sub›2‹/sub› nanoparticles with different morphologies and their properties as peroxidase mimic. Journal of the American Ceramic Society, 2019, 102, 2218-2227. | 3.8 | 25 |
| 3 | Photomultiplication Type Organic Photodetectors with Broadband and Narrowband Response Ability. Advanced Optical Materials, 2018, 6, 1800001. | 7.3 | 98 |
| 4 | Efficient ternary non-fullerene polymer solar cells with PCE of 11.92% and FF of 76.5%. Energy and Environmental Science, 2018, 11, 841-849. | 30.8 | 210 |
| 5 | Over 13% Efficiency Ternary Nonfullerene Polymer Solar Cells with Tilted Up Absorption Edge by Incorporating a Medium Bandgap Acceptor. Advanced Energy Materials, 2018, 8, 1801968. | 19.5 | 167 |
| 6 | Improved photomultiplication in inverted-structure organic photodetectors via interfacial engineering. Applied Physics Letters, 2018, 113, . | 3.3 | 19 |
| 7 | Organic Photodetectors with Gain and Broadband/Narrowband Response under Top/Bottom Illumination Conditions. Advanced Optical Materials, 2018, 6, 1800249. | 7.3 | 108 |
| 8 | Nematic liquid crystal materials as a morphology regulator for ternary small molecule solar cells with power conversion efficiency exceeding 10%. Journal of Materials Chemistry A, 2017, 5, 3589-3598. | 10.3 | 173 |
| 9 | Highly sensitive polymer photodetectors with a wide spectral response range. Chinese Physics B, 2017, 26, 018201. | 1.4 | 11 |
| 10 | Highly Narrowband Photomultiplication Type Organic Photodetectors. Nano Letters, 2017, 17, 1995-2002. | 9.1 | 278 |
| 11 | Photomultiplication type narrowband organic photodetectors working at forward and reverse bias. Physical Chemistry Chemical Physics, 2017, 19, 14424-14430. | 2.8 | 41 |
| 12 | Highly Sensitive Lowâ€Bandgap Perovskite Photodetectors with Response from Ultraviolet to the Nearâ€Infrared Region. Advanced Functional Materials, 2017, 27, 1703953. | 14.9 | 148 |
| 13 | Highly Sensitive Organic Photodetectors with Tunable Spectral Response under Biâ€Directional Bias. Advanced Optical Materials, 2016, 4, 1711-1717. | 7.3 | 75 |
| 14 | Highly efficient ternary polymer solar cells by optimizing photon harvesting and charge carrier transport. Nano Energy, 2016, 22, 241-254. | 16.0 | 196 |
| 15 | Photomultiplication photodetectors with P3HT:fullerene-free material as the active layers exhibiting a broad response. Nanoscale, 2016, 8, 5578-5586. | 5.6 | 77 |
| 16 | High efficient ternary polymer solar cells based on absorption complementary materials as electron donor. Solar Energy Materials and Solar Cells, 2015, 141, 154-161. | 6.2 | 33 |
| 17 | Highly sensitive polymer photodetectors with a broad spectral response range from UV light to the near infrared region. Journal of Materials Chemistry C, 2015, 3, 7386-7393. | 5.5 | 72 |
| 18 | Trap-Assisted Photomultiplication Polymer Photodetectors Obtaining an External Quantum Efficiency of 37â€500%. ACS Applied Materials & Interfaces, 2015, 7, 5890-5897. | 8.0 | 118 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Achieving EQE of 16,700% in P3HT:PC71BM based photodetectors by trap-assisted photomultiplication. Scientific Reports, 2015, 5, 9181. | 3.3 | 165 |
| 20 | Improved Performance of Photomultiplication Polymer Photodetectors by Adjustment of P3HT Molecular Arrangement. ACS Applied Materials & Interfaces, 2015, 7, 22660-22668. | 8.0 | 57 |
| 21 | Revealing the working mechanism of polymer photodetectors with ultra-high external quantum efficiency. Physical Chemistry Chemical Physics, 2015, 17, 30712-30720. | 2.8 | 66 |