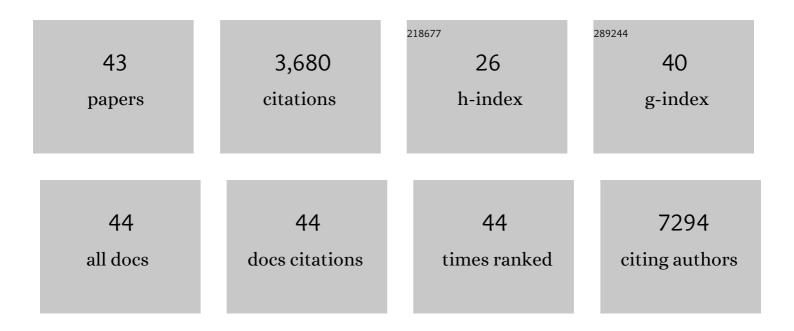


## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/405382/publications.pdf Version: 2024-02-01



Bo Wu

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A Versatile Solver of the Normal Modes for Horizontal Stratified Complicated Models. Seismological<br>Research Letters, 2022, 93, 1852-1867.   | 1.9  | 3         |
| 2  | Uniformly asymptotic eigensolutions of the Earth's toroidal modes. Geophysical Journal<br>International, 2021, 228, 250-258.   | 2.4  | 1         |
| 3  | Indirect tail states formation by thermal-induced polar fluctuations in halide perovskites. Nature Communications, 2019, 10, 484.  | 12.8 | 88        |
| 4  | Enhanced Photovoltaic Performance and Thermal Stability of<br>CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite through Lattice Symmetrization. ACS<br>Applied Materials & Interfaces, 2019, 11, 740-746.    | 8.0  | 20        |
| 5  | Critical role of chloride in organic ammonium spacer on the performance of Low-dimensional<br>Ruddlesden-Popper perovskite solar cells. Nano Energy, 2019, 56, 373-381.  | 16.0 | 59        |
| 6  | Limitations of Cs <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> as Lead-Free Photovoltaic Absorber<br>Materials. ACS Applied Materials & Interfaces, 2018, 10, 35000-35007.  | 8.0  | 133       |
| 7  | Long Electron–Hole Diffusion Length in Highâ€Quality Leadâ€Free Double Perovskite Films. Advanced<br>Materials, 2018, 30, e1706246.  | 21.0 | 242       |
| 8  | Surface Rutilization of Anatase TiO2 for Efficient Electron Extraction and Stable Pmax Output of Perovskite Solar Cells. CheM, 2018, 4, 911-923.   | 11.7 | 28        |
| 9  | Highâ€Performance As ast Nonfullerene Polymer Solar Cells with Thicker Active Layer and Large Area<br>Exceeding 11% Power Conversion Efficiency. Advanced Materials, 2018, 30, 1704546.                                | 21.0 | 233       |
| 10 | Superior Performance of Silver Bismuth Iodide Photovoltaics Fabricated via Dynamic Hot asting<br>Method under Ambient Conditions. Advanced Energy Materials, 2018, 8, 1802051.   | 19.5 | 84        |
| 11 | Elucidating Surface and Bulk Emission in 3D Hybrid Organic–Inorganic Lead Bromide Perovskites.<br>Advanced Optical Materials, 2018, 6, 1800470.  | 7.3  | 28        |
| 12 | Doping and Switchable Photovoltaic Effect in Leadâ€Free Perovskites Enabled by Metal Cation<br>Transmutation. Advanced Materials, 2018, 30, e1802080.  | 21.0 | 30        |
| 13 | Transcending the slow bimolecular recombination in lead-halide perovskites for electroluminescence. Nature Communications, 2017, 8, 14558.   | 12.8 | 473       |
| 14 | Long Minorityâ€Carrier Diffusion Length and Low Surfaceâ€Recombination Velocity in Inorganic Leadâ€Free<br>CsSnl <sub>3</sub> Perovskite Crystal for Solar Cells. Advanced Functional Materials, 2017, 27,<br>1604818. | 14.9 | 164       |
| 15 | Chemical Vapor Deposition of Large-Size Monolayer MoSe <sub>2</sub> Crystals on Molten Glass.<br>Journal of the American Chemical Society, 2017, 139, 1073-1076.   | 13.7 | 258       |
| 16 | Hot carrier cooling mechanisms in halide perovskites. Nature Communications, 2017, 8, 1300.  | 12.8 | 347       |
| 17 | Accurate computation of leaky modes for anomalous layered models. Annals of Geophysics, 2017, 60, .  | 1.0  | 9         |
| 18 | Synthesis and Characterization of Mn:ZnSe/ZnS/ZnMnS Sandwiched QDs for Multimodal Imaging and<br>Theranostic Applications. Small, 2016, 12, 534-546.   | 10.0 | 33        |

Bo Wu

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Discerning the Surface and Bulk Recombination Kinetics of Organic–Inorganic Halide Perovskite<br>Single Crystals. Advanced Energy Materials, 2016, 6, 1600551.   | 19.5 | 271       |
| 20 | Spatial Separation of Charge Carriers in<br>In <sub>2</sub> O <sub>3–<i>x</i></sub> (OH) <sub><i>y</i></sub> Nanocrystal Superstructures for<br>Enhanced Gas-Phase Photocatalytic Activity. ACS Nano, 2016, 10, 5578-5586. | 14.6 | 118       |
| 21 | New Insights into the Correlation between Morphology, Excited State Dynamics, and Device<br>Performance of Small Molecule Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1600961.                                | 19.5 | 34        |
| 22 | Effectiveness of External Electric Field Treatment of Conjugated Polymers in Bulk-Heterojunction<br>Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 32282-32291.   | 8.0  | 22        |
| 23 | Stable, accurate and efficient computation of normal modes for horizontal stratified models.<br>Geophysical Journal International, 2016, 206, 1281-1300.   | 2.4  | 15        |
| 24 | Prolonged Electron Lifetime in Ordered TiO <sub>2</sub> Mesophyll Cell‣ike Microspheres for<br>Efficient Photocatalytic Water Reduction and Oxidation. Small, 2016, 12, 2291-2299.   | 10.0 | 50        |
| 25 | Charge Accumulation and Hysteresis in Perovskiteâ€Based Solar Cells: An Electroâ€Optical Analysis.<br>Advanced Energy Materials, 2015, 5, 1500829.   | 19.5 | 217       |
| 26 | Energetics and dynamics in organic–inorganic halide perovskite photovoltaics and light emitters.<br>Nanotechnology, 2015, 26, 342001.  | 2.6  | 75        |
| 27 | Interfacial Electron Transfer Barrier at Compact<br>TiO <sub>2</sub> /CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Heterojunction. Small, 2015, 11,<br>3606-3613.  | 10.0 | 196       |
| 28 | Enhancement of Performance and Mechanism Studies of All-Solution Processed Small-Molecule based<br>Solar Cells with an Inverted Structure. ACS Applied Materials & Interfaces, 2015, 7, 21245-21253.                       | 8.0  | 12        |
| 29 | Correlation between blend morphology and recombination dynamics in additive-added P3HT:PCBM solar cells. Physical Chemistry Chemical Physics, 2015, 17, 26111-26120.   | 2.8  | 15        |
| 30 | Charge dynamics in alkanedithiols-additives in P3HT:PCBM bulk heterojunction solar cells.<br>Proceedings of SPIE, 2014, , .  | 0.8  | 0         |
| 31 | Ag nanoparticle-blended plasmonic organic solar cells: performance enhancement or detraction?. , 2014, , .   |      | 2         |
| 32 | Performance Improvements in Polymer Nanofiber/Fullerene Solar Cells with External Electric Field<br>Treatment. Journal of Physical Chemistry C, 2014, 118, 11285-11291.  | 3.1  | 26        |
| 33 | Elucidating the Localized Plasmonic Enhancement Effects from a Single Ag Nanowire in Organic Solar<br>Cells. ACS Nano, 2014, 8, 10101-10110.   | 14.6 | 33        |
| 34 | Ultrafast Exciton Dynamics and Twoâ€Photon Pumped Lasing from ZnSe Nanowires. Advanced Optical<br>Materials, 2013, 1, 319-326.   | 7.3  | 22        |
| 35 | Exciton Dynamics: Ultrafast Exciton Dynamics and Twoâ€Photon Pumped Lasing from ZnSe Nanowires<br>(Advanced Optical Materials 4/2013). Advanced Optical Materials, 2013, 1, 276-276.                                       | 7.3  | 1         |
| 36 | Origin of green emission and charge trapping dynamics in ZnO nanowires. Physical Review B, 2013, 87, .   | 3.2  | 68        |

Bo Wu

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Uncovering loss mechanisms in silver nanoparticle-blended plasmonic organic solar cells. Nature<br>Communications, 2013, 4, 2004.  | 12.8 | 118       |
| 38 | Size and Surface Effects on Transient Photoconductivity in CdS Nanobelts Probed by Optical Pump-Terahertz Probe Spectroscopy. , 2013, , .                                      |      | 0         |
| 39 | Ultrafast Charge Carrier Dynamics and Upconversion Lasing from ZnSe Nanowires. , 2013, , .   |      | 0         |
| 40 | Size and surface effects on transient photoconductivity in CdS nanobelts probed by time-resolved terahertz spectroscopy. Applied Physics Letters, 2012, 101, 091104.           | 3.3  | 13        |
| 41 | Ultrafine Gold Nanowire Networks as Plasmonic Antennae in Organic Photovoltaics. Journal of<br>Physical Chemistry C, 2012, 116, 6453-6458.                                     | 3.1  | 69        |
| 42 | Resonant Aluminum Nanodisk Array for Enhanced Tunable Broadband Light Trapping in Ultrathin Bulk<br>Heterojunction Organic Photovoltaic Devices. Plasmonics, 2012, 7, 677-684. | 3.4  | 22        |
| 43 | Efficiency Enhancement in Bulk-Heterojunction Solar Cells Integrated with Large-Area Ag<br>Nanotriangle Arrays. Journal of Physical Chemistry C, 2012, 116, 14820-14825.       | 3.1  | 46        |