# Jingjing Xue

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6157714/publications.pdf

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|---|---|---|---|
| 30 papers | 5,109 citations | 279487 23 h-index | 454577 30 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 5473 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Constructive molecular configurations for surface-defect passivation of perovskite photovoltaics. Science, 2019, 366, 1509-1513. | 6.0 | 846 |
| 2 | A Review of Perovskites Solar Cell Stability. Advanced Functional Materials, 2019, 29, 1808843. | 7.8 | 835 |
| 3 | Caffeine Improves the Performance and Thermal Stability of Perovskite Solar Cells. Joule, 2019, 3, 1464-1477. | 11.7 | 448 |
| 4 | Interface and Defect Engineering for Metal Halide Perovskite Optoelectronic Devices. Advanced Materials, 2019, 31, e1803515. | 11.1 | 315 |
| 5 | Tailored Phase Conversion under Conjugated Polymer Enables Thermally Stable Perovskite Solar Cells with Efficiency Exceeding 21%. Journal of the American Chemical Society, 2018, 140, 17255-17262. | 6.6 | 235 |
| 6 | Stability-limiting heterointerfaces of perovskite photovoltaics. Nature, 2022, 605, 268-273. | 13.7 | 229 |
| 7 | The surface of halide perovskites from nano to bulk. Nature Reviews Materials, 2020, 5, 809-827. | 23.3 | 224 |
| 8 | Prospects for metal halide perovskite-based tandem solar cells. Nature Photonics, 2021, 15, 411-425. | 15.6 | 195 |
| 9 | Surface Ligand Management for Stable FAPbI3 Perovskite Quantum Dot Solar Cells. Joule, 2018, 2, 1866-1878. | 11.7 | 187 |
| 10 | Reconfiguring the band-edge states of photovoltaic perovskites by conjugated organic cations. Science, 2021, 371, 636-640. | 6.0 | 184 |
| 11 | Shallow Iodine Defects Accelerate the Degradation of Î±-Phase Formamidinium Perovskite. Joule, 2020, 4, 2426-2442. | 11.7 | 173 |
| 12 | Crystalline Liquid-like Behavior: Surface-Induced Secondary Grain Growth of Photovoltaic Perovskite Thin Film. Journal of the American Chemical Society, 2019, 141, 13948-13953. | 6.6 | 163 |
| 13 | Rational Tuning of Molecular Interaction and Energy Level Alignment Enables Highâ€Performance Organic Photovoltaics. Advanced Materials, 2019, 31, e1904215. | 11.1 | 162 |
| 14 | A Polymerizationâ€Assisted Grain Growth Strategy for Efficient and Stable Perovskite Solar Cells. Advanced Materials, 2020, 32, e1907769. | 11.1 | 161 |
| 15 | Molecular Interaction Regulates the Performance and Longevity of Defect Passivation for Metal Halide Perovskite Solar Cells. Journal of the American Chemical Society, 2020, 142, 20071-20079. | 6.6 | 145 |
| 16 | Coreâ€“Shell ZnO@SnO<sub>2</sub> Nanoparticles for Efficient Inorganic Perovskite Solar Cells. Journal of the American Chemical Society, 2019, 141, 17610-17616. | 6.6 | 113 |
| 17 | Surface Reconstruction of Halide Perovskites During Post-treatment. Journal of the American Chemical Society, 2021, 143, 6781-6786. | 6.6 | 109 |
| 18 | A Smallâ€Molecule â€œCharge Driverâ€•enables Perovskite Quantum Dot Solar Cells with Efficiency Approaching 13%. Advanced Materials, 2019, 31, e1900111. | 11.1 | 92 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Efficient Solid-State Electrochemiluminescence from High-Quality Perovskite Quantum Dot Films. Analytical Chemistry, 2017, 89, 8212-8216. | 3.2 | 59 |
| 20 | Hierarchical Structure with Highly Ordered Macroporous-Mesoporous Metal-Organic Frameworks as Dual Function for CO2 Fixation. IScience, 2019, 15, 514-523. | 1.9 | 56 |
| 21 | Efficient Flexible Inorganic Perovskite Light-Emitting Diodes Fabricated with CsPbBr<sub>3</sub> Emitters Prepared via Low-Temperature in Situ Dynamic Thermal Crystallization. Nano Letters, 2020, 20, 4673-4680. | 4.5 | 55 |
| 22 | Homogeneous Freestanding Luminescent Perovskite Organogel with Superior Water Stability. Advanced Materials, 2019, 31, e1902928. | 11.1 | 40 |
| 23 | Stable and Efficient Methylammoniumâ€, Cesiumâ€, and Bromideâ€Free Perovskite Solar Cells by Inâ€Situ Interlayer Formation. Advanced Functional Materials, 2021, 31, 2007520. | 7.8 | 34 |
| 24 | Unraveling the surface state of photovoltaic perovskite thin film. Matter, 2021, 4, 2417-2428. | 5.0 | 22 |
| 25 | Halide Segregation in Mixed Halide Perovskites: Visualization and Mechanisms. Electronics (Switzerland), 2022, 11, 700. | 1.8 | 7 |
| 26 | Cluster Size Control toward High Performance Solution Processed InGaZnO Thin Film Transistors. ACS Applied Electronic Materials, 2019, 1, 2483-2488. | 2.0 | 6 |
| 27 | Tailored Key Parameters of Perovskite for High-Performance Photovoltaics. Accounts of Materials Research, 2021, 2, 447-457. | 5.9 | 5 |
| 28 | Molecular Tuning of Titanium Complexes with Controllable Work Function for Efficient Organic Photovoltaics. Journal of Physical Chemistry C, 2019, 123, 20800-20807. | 1.5 | 4 |
| 29 | Wideâ€Gap Perovskite via Synergetic Surface Passivation and Its Application toward Efficient Stacked Tandem Photovoltaics. Small, 2022, 18, e2103887. | 5.2 | 3 |
| 30 | Secure the electrodes. Nature Energy, 2022, 7, 476-477. | 19.8 | 1 |