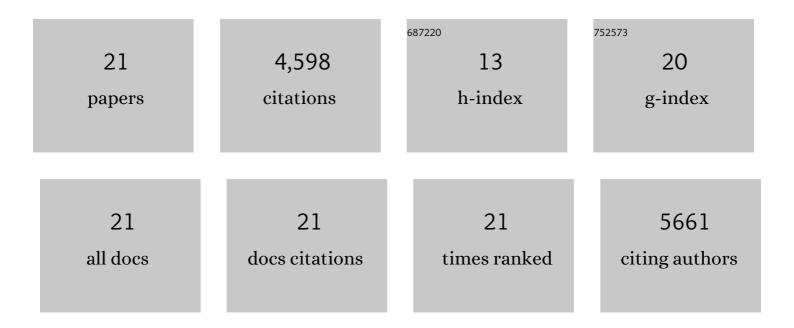
## Xingliang Dai

List of Publications by Year in descending order

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XINCHANC DAL

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Solution-processed, high-performance light-emitting diodes based on quantum dots. Nature, 2014, 515, 96-99.   | 13.7 | 2,119     |
| 2  | Interfacial Control Toward Efficient and Lowâ€Voltage Perovskite Lightâ€Emitting Diodes. Advanced Materials, 2015, 27, 2311-2316.   | 11.1 | 631       |
| 3  | Quantumâ€Dot Lightâ€Emitting Diodes for Largeâ€Area Displays: Towards the Dawn of Commercialization.<br>Advanced Materials, 2017, 29, 1607022.  | 11.1 | 620       |
| 4  | Stoichiometry-Controlled InP-Based Quantum Dots: Synthesis, Photoluminescence, and Electroluminescence. Journal of the American Chemical Society, 2019, 141, 6448-6452.                               | 6.6  | 282       |
| 5  | Electrochemically-stable ligands bridge the photoluminescence-electroluminescence gap of quantum dots. Nature Communications, 2020, 11, 937.  | 5.8  | 184       |
| 6  | Entropic Ligands for Nanocrystals: From Unexpected Solution Properties to Outstanding<br>Processability. Nano Letters, 2016, 16, 2133-2138.   | 4.5  | 174       |
| 7  | Highâ€Performance, Solutionâ€Processed, and Insulatingâ€Layerâ€Free Lightâ€Emitting Diodes Based on<br>Colloidal Quantum Dots. Advanced Materials, 2018, 30, e1801387.                                | 11.1 | 151       |
| 8  | Electrically-driven single-photon sources based on colloidal quantum dots with near-optimal antibunching at room temperature. Nature Communications, 2017, 8, 1132.                                   | 5.8  | 105       |
| 9  | Colloidal metal oxide nanocrystals as charge transporting layers for solution-processed light-emitting diodes and solar cells. Chemical Society Reviews, 2017, 46, 1730-1759.                         | 18.7 | 99        |
| 10 | Shelf‧table Quantumâ€Ðot Lightâ€Emitting Diodes with High Operational Performance. Advanced<br>Materials, 2020, 32, e2006178.   | 11.1 | 68        |
| 11 | Highâ€₽erformance Quantumâ€Đot Lightâ€Emitting Diodes Using NiO <i><sub>x</sub></i> Holeâ€Injection<br>Layers with a High and Stable Work Function. Advanced Functional Materials, 2020, 30, 1907265. | 7.8  | 48        |
| 12 | Design of the Hole-Injection/Hole-Transport Interfaces for Stable Quantum-Dot Light-Emitting Diodes.<br>Journal of Physical Chemistry Letters, 2020, 11, 4649-4654.                                   | 2.1  | 34        |
| 13 | Silicon-Quantum-Dot Light-Emitting Diodes With Interlayer-Enhanced Hole Transport. IEEE Photonics<br>Journal, 2017, 9, 1-10.  | 1.0  | 24        |
| 14 | Mixed Halide Perovskite Films by Vapor Anion Exchange for Spectrally Stable Blue Stimulated Emission.<br>Small, 2021, 17, e2103169.   | 5.2  | 11        |
| 15 | Inverted quantum dot light-emitting diodes with conductive interlayers of zirconium<br>acetylacetonate. Journal of Materials Chemistry C, 2019, 7, 3154-3159.   | 2.7  | 9         |
| 16 | Thiol Modification Enables ZnO-Nanocrystal Films with Atmosphere-Independent Conductance.<br>Journal of Physical Chemistry C, 2021, 125, 20022-20027.   | 1.5  | 9         |
| 17 | Ligand Exchange of Colloidal ZnO Nanocrystals from the High Temperature and Nonaqueous<br>Approach. Nano-Micro Letters, 2013, 5, 274-280.   | 14.4 | 8         |
| 18 | Decoupling the Positive and Negative Aging Processes of Perovskite Light-Emitting Diodes Using a Thin<br>Interlayer of Ionic Liquid. Journal of Physical Chemistry Letters, 2021, 12, 7783-7791.      | 2.1  | 8         |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis of Highly Monodisperse Cu <sub>2</sub> O Nanocrystals and Their Applications as<br>Holeâ€Transporting Layers in Solutionâ€Processed Lightâ€Emitting Diodes. Chemistry - A European Journal,<br>2019, 25, 14767-14770. | 1.7 | 7         |
| 20 | Tailoring the lateral size of two-dimensional silicon nanomaterials to produce highly stable and<br>efficient deep-blue emissive silicene-like quantum dots. Journal of Materials Chemistry C, 2021, 9,<br>10065-10072.         | 2.7 | 7         |
| 21 | Mixed Halide Perovskite Films by Vapor Anion Exchange for Spectrally Stable Blue Stimulated Emission<br>(Small 39/2021). Small, 2021, 17, 2170202.  | 5.2 | Ο         |