

# Guozhang Dai

## List of Publications by Year in descending order

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33  
papers

2,419  
citations

516215

16  
h-index

395343

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g-index

33  
all docs

33  
docs citations

33  
times ranked

2398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress on growth of metal halide perovskites by vapor-phase synthesis and their applications. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 073001.	1.3	10
2	Three-dimensional pyramidal CsPbBr <sub>3</sub> /C8BTBT film heterojunction photodetectors with high responsivity and long-term stability. <i>Organic Electronics</i> , 2022, 101, 106409.	1.4	9
3	High-performance CdS@CsPbBr <sub>3</sub> core-shell microwire heterostructure photodetector. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 194002.	1.3	6
4	Auto-alignment of CdS nanowires via optical tweezers. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	1
5	A Rolling-Mode Al/CsPbBr <sub>3</sub> Schottky Junction Direct-Current Triboelectric Nanogenerator for Harvesting Mechanical and Solar Energy. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	35
6	A High-Performance and Long-Term Air-Stable CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /C8BTBT Heterojunction Photodetector Fabricated via Chemical Vapor Deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000479.	1.2	11
7	Can Vacuum Deposition Apply to Bismuth-Doped Bi <sup>3+</sup> -CsPbI <sub>3</sub> Perovskite? Revealing the Role of Bi <sup>3+</sup> in the Formation of Black Phase. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6927-6933.	2.1	5
8	The effect of air exposure on device performance of flexible C8-BTBT organic thin-film transistors with hygroscopic insulators. <i>Science China Materials</i> , 2020, 63, 2551-2559.	3.5	6
9	High-performance and flexible CsPbBr <sub>3</sub> UV-vis photodetectors fabricated via chemical vapor deposition. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 354002.	1.3	11
10	Highly stretchable polymer/silver nanowires composite sensor for human health monitoring. <i>Nano Research</i> , 2020, 13, 919-926.	5.8	74
11	Alternating Current Photovoltaic Effect. <i>Advanced Materials</i> , 2020, 32, e1907249.	11.1	54
12	Quantifying and understanding the triboelectric series of inorganic non-metallic materials. <i>Nature Communications</i> , 2020, 11, 2093.	5.8	287
13	Large-scale Roll-to-Roll Micro-gravure Printed Flexible PBDB-T/IT-M Bulk Heterojunction Photodetectors. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	7
14	Deep-ultraviolet SnO <sub>2</sub> nanowire phototransistors with an ultrahigh responsivity. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	12
15	High-performance solar-blind SnO <sub>2</sub> nanowire photodetectors assembled using optical tweezers. <i>Nanoscale</i> , 2019, 11, 2162-2169.	2.8	49
16	Dramatically Enhanced Broadband Photodetection by Dual Inversion Layers and Fowler-Nordheim Tunneling. <i>ACS Nano</i> , 2019, 13, 2289-2297.	7.3	11
17	Piezo-phototronic enhanced photoresponsivity based on single CdTe nanowire photodetector. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	8
18	Quantifying the triboelectric series. <i>Nature Communications</i> , 2019, 10, 1427.	5.8	1,107

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19	All-inorganic perovskite CsPbBr <sub>3</sub> microstructures growth <i>via</i> chemical vapor deposition for high-performance photodetectors. <i>Nanoscale</i> , 2019, 11, 21386-21393.	2.8	51
20	Complementary Electromagnetic-Triboelectric Active Sensor for Detecting Multiple Mechanical Triggering. <i>Advanced Functional Materials</i> , 2018, 28, 1705808.	7.8	87
21	An Ultra-Low-Friction Triboelectric-Electromagnetic Hybrid Nanogenerator for Rotation Energy Harvesting and Self-Powered Wind Speed Sensor. <i>ACS Nano</i> , 2018, 12, 9433-9440.	7.3	286
22	Fabrication of GaInP <sub>3</sub> quaternary alloy nanowires and its room temperature electrical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	11
23	High-performance photodetectors based on CVD-grown high-quality SnS <sub>2</sub> nanosheets. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	29
24	Polymer-electrolyte-gated nanowire synaptic transistors for neuromorphic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	27
25	Piezo-phototronic Effect Enhanced Responsivity of Photon Sensor Based on Composition-Tunable Ternary CdS <sub>x</sub> Se <sub>1-x</sub> Nanowires. <i>ACS Photonics</i> , 2017, 4, 2495-2503.	3.2	48
26	High-performance and flexible photodetectors based on P3HT/CdS/CdS:SnS <sub>2</sub> superlattice nanowires hybrid films. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	17
27	High-performance ultraviolet photodetectors based on CdS/CdS:SnS <sub>2</sub> superlattice nanowires. <i>Nanoscale</i> , 2016, 8, 14580-14586.	2.8	54
28	Artificial synapses based on biopolymer electrolyte-coupled SnO <sub>2</sub> nanowire transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11110-11117.	2.7	52
29	Highly transparent porous ZrO <sub>2</sub> thin films: fabrication and optical properties. <i>RSC Advances</i> , 2015, 5, 35929-35933.	1.7	4
30	Fabrication and micro-photoluminescence property of CdSe/CdS core/shell nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 343-349.	1.1	11
31	Influence of disorders on the optical properties of butterfly wing: Analysis with a finite-difference time-domain method. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	6
32	Visible whispering-gallery modes in ZnO microwires with varied cross sections. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	17
33	Sn-catalyst growth and optical waveguide of ultralong CdS nanowires. <i>Chemical Physics Letters</i> , 2010, 497, 85-88.	1.2	16