

Hong Zhou

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5242098/hong-zhou-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

2,659
citations

29
h-index

51
g-index

59
ext. papers

2,995
ext. citations

8.2
avg, IF

4.73
L-index

#	Paper	IF	Citations
57	Epitaxial growth of CsPbBr ₃ -PbS vertical and lateral heterostructures for visible to infrared broadband photodetection. <i>Nano Research</i> , 2021 , 14, 3879	10	7
56	Effective shape-controlled synthesis of gallium selenide nanosheets by vapor phase deposition. <i>Nano Research</i> , 2020 , 13, 557-563	10	10
55	Room-temperature high-performance CsPbBr perovskite tetrahedral microlasers. <i>Nanoscale</i> , 2019 , 11, 2393-2400	7.7	29
54	First-principles investigations of electronic and optical properties in the MoS ₂ /CsPbBr ₃ heterostructure. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 135, 109060	3.9	31
53	Strong thickness-dependent quantum confinement in all-inorganic perovskite Cs ₂ PbI ₄ with a Ruddlesden-Popper structure. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7433-7441	7.1	47
52	Self-catalytic VLS growth one dimensional layered GaSe nanobelts for high performance photodetectors. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 118, 186-191	3.9	11
51	Broken Symmetry Induced Strong Nonlinear Optical Effects in Spiral WS Nanosheets. <i>ACS Nano</i> , 2017 , 11, 4892-4898	16.7	79
50	Nonlinear photoluminescence in monolayer WS: parabolic emission and excitation fluence-dependent recombination dynamics. <i>Nanoscale</i> , 2017 , 9, 7235-7241	7.7	30
49	Cesium lead halide perovskite triangular nanorods as high-gain medium and effective cavities for multiphoton-pumped lasing. <i>Nano Research</i> , 2017 , 10, 3385-3395	10	89
48	Perovskite-Erbium Silicate Nanosheet Hybrid Waveguide Photodetectors at the Near-Infrared Telecommunication Band. <i>Advanced Materials</i> , 2017 , 29, 1604431	24	99
47	Vapor Growth and Tunable Lasing of Band Gap Engineered Cesium Lead Halide Perovskite Micro/Nanorods with Triangular Cross Section. <i>ACS Nano</i> , 2017 , 11, 1189-1195	16.7	199
46	Vapor growth and interfacial carrier dynamics of high-quality CdS-CdSSe-CdS axial nanowire heterostructures. <i>Nano Energy</i> , 2017 , 32, 28-35	17.1	53
45	Silicon-erbium ytterbium silicate nanowire waveguides with optimized optical gain. <i>Frontiers of Physics</i> , 2017 , 12, 1	3.7	4
44	Composition-Modulated Two-Dimensional Semiconductor Lateral Heterostructures via Layer-Selected Atomic Substitution. <i>ACS Nano</i> , 2017 , 11, 961-967	16.7	86
43	High-Performance Flexible Photodetectors based on High-Quality Perovskite Thin Films by a Vapor-Solution Method. <i>Advanced Materials</i> , 2017 , 29, 1703256	24	96
42	Directional Growth of Ultralong CsPbBr Perovskite Nanowires for High-Performance Photodetectors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15592-15595	16.4	195
41	Oriented tuning the photovoltaic properties of ERbGeX ₃ by strain-induced electron effective mass mutation. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 465101	3	37

40	Direct Vapor Growth of Perovskite CsPbBr Nanoplate Electroluminescence Devices. <i>ACS Nano</i> , 2017 , 11, 9869-9876	16.7	96
39	Wang et al. Reply. <i>Physical Review Letters</i> , 2016 , 117, 219702	7.4	1
38	Up-conversion luminescence and optical temperature-sensing properties of Er ³⁺ -doped perovskite Na _{0.5} Bi _{0.5} TiO ₃ nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 98, 28-31	3.9	35
37	Single-Crystalline InGaAs Nanowires for Room-Temperature High-Performance Near-Infrared Photodetectors. <i>Nano-Micro Letters</i> , 2016 , 8, 29-35	19.5	71
36	Lateral composition-graded semiconductor nanoribbons for multi-color nanolasers. <i>Nano Research</i> , 2016 , 9, 933-941	10	24
35	Nanolaser arrays based on individual wavy CdS nanoribbons. <i>Laser and Photonics Reviews</i> , 2016 , 10, 458-464	8.3	42
34	Second harmonic generation and waveguide properties in perovskite Na _{0.5} Bi _{0.5} TiO ₃ nanowires. <i>Optics Letters</i> , 2016 , 41, 3803-5	3	5
33	Er ³⁺ -doped Na _{0.5} Bi _{0.5} TiO ₃ ferroelectric thin films with enhanced electrical properties and strong green up-conversion luminescence. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 937-940 ^{2,6}	9	9
32	High Gain Submicrometer Optical Amplifier at Near-Infrared Communication Band. <i>Physical Review Letters</i> , 2015 , 115, 027403	7.4	38
31	Lateral Growth of Composition Graded Atomic Layer MoS ₂ (1-x)Se _{2x} Nanosheets. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5284-7	16.4	155
30	Down-conversion luminescence and its temperature-sensing properties from Er ³⁺ -doped sodium bismuth titanate ferroelectric thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 121, 773-777	2.6	9
29	Room-temperature near-infrared photodetectors based on single heterojunction nanowires. <i>Nano Letters</i> , 2014 , 14, 694-8	11.5	118
28	Semiconductor alloy nanoribbon lateral heterostructures for high-performance photodetectors. <i>Advanced Materials</i> , 2014 , 26, 2844-9	24	65
27	Growth of alloy MoS ₂ (2x)Se ₂ (1-x) nanosheets with fully tunable chemical compositions and optical properties. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3756-9	16.4	362
26	Band-selective infrared photodetectors with complete-composition-range InAs _x P _{1-x} alloy nanowires. <i>Advanced Materials</i> , 2014 , 26, 7444-9	24	64
25	Synthesis and Diameter-dependent Thermal Conductivity of InAs Nanowires. <i>Nano-Micro Letters</i> , 2014 , 6, 301-306	19.5	20
24	Microphotoluminescence of individual ZnSe nanoribbons. <i>Materials Letters</i> , 2014 , 129, 118-121	3.3	15
23	Surface plasmon resonance enhanced band-edge emission of CdS/BiO ₂ core-shell nanowires with gold nanoparticles attached. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 566-571	7.1	20

22	Bandgap broadly tunable GaZnSeAs alloy nanowires. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2912-366	3.6	11
21	Dielectric properties and bright red emission of Y ³⁺ /Eu ³⁺ -codoped ZrO ₂ thin films prepared by chemical solution deposition. <i>Ceramics International</i> , 2013 , 39, 1335-1340	5.1	6
20	Large photoluminescence redshift of ZnTe nanostructures: The effect of twin structures. <i>Chemical Physics Letters</i> , 2013 , 576, 26-30	2.5	8
19	Low-threshold nanowire laser based on composition-symmetric semiconductor nanowires. <i>Nano Letters</i> , 2013 , 13, 1251-6	11.5	62
18	Color-tunable photoluminescence in Bi _{3.6} Eu _{0.4} Ti ₃ O ₁₂ /ZnO nanorods composite films. <i>Ceramics International</i> , 2013 , 39, S507-S511	5.1	2
17	Complete composition tunability of Cd _{1-x} Zn _x Te alloy nanostructures along a single substrate. <i>Materials Letters</i> , 2013 , 105, 90-94	3.3	7
16	Synthesis and optical properties of InP quantum dot/nanowire heterostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 1898-1902	1.6	8
15	Optical characteristics of Bi _{4-x} Eu _x Ti ₃ O ₁₂ ferroelectric thin films on fused silica substrates. <i>Journal of Electroceramics</i> , 2012 , 29, 37-41	1.5	6
14	Comparative investigation of unipolar resistance switching effect of Pt/Mg _{0.6} Zn _{0.4} /Pt devices with different electrode patterns for nonvolatile memory application. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 108, 503-508	2.6	1
13	Improved Electrical Properties and Strong Red Emission of Pr ³⁺ -Doped x K _{0.5} Bi _{0.5} TiO ₃ (1-x)Na _{0.5} Bi _{0.5} TiO ₃ Lead-Free Ferroelectric Thin Films. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 483-486	3.8	35
12	Improved Red Photoluminescence and Ferroelectricity in Layered Composite (Bi,Eu) ₄ Ti ₃ O ₁₂ /ZnO Thin Films. <i>Applied Physics Express</i> , 2011 , 4, 032103	2.4	5
11	Growth and Electrical Properties of 25%Bi(Ni _{1/2} Ti _{1/2})O ₃ 5%PbTiO ₃ Thin Films on Pt/TiO ₂ /SiO ₂ /Si Substrates Using Pulsed Laser Deposition Method. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1675-1678	3.8	10
10	Photoluminescence and Raman spectroscopy characterization of highly c-axis oriented Mg _x Zn _{1-x} O thin films on Pt-coated silicon substrates. <i>Journal of Electroceramics</i> , 2011 , 27, 162-168	1.5	1
9	Colossal resistive switching behavior and its physical mechanism of Pt/p-NiO/n-Mg _{0.6} Zn _{0.4} /Pt thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 477-481	2.6	11
8	Combination of Strong Blue Up-Conversion Photoluminescence and Greatly Enhanced Ferroelectric Polarization in Tm ³⁺ -Yb ³⁺ -W ⁶⁺ - Doped Bi ₄ Ti ₃ O ₁₂ Thin Films. <i>Journal of the Electrochemical Society</i> , 2011 , 158, G128	3.9	25
7	Strong red emission in lead-free ferroelectric Pr ³⁺ -doped Na _{0.5} Bi _{0.5} TiO ₃ thin films without the need of charge compensation. <i>Journal of Applied Physics</i> , 2011 , 110, 034102	2.5	42
6	Bright up-conversion photoluminescence of Bi _{4-x} Er _x Ti ₃ O ₁₂ ferroelectric thin films. <i>Journal of Applied Physics</i> , 2011 , 109, 043106-043106-5	2.5	31
5	Structural, Dielectric, and Ferroelectric Properties of BiAlO ₃ BbTiO ₃ Solid Solution Thin Films on Indium Tin Oxide-Coated Glass Substrates. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 925-927	3.8	6

4	Dual Enhancement of Photoluminescence and Ferroelectric Polarization in Pr ³⁺ /La ³⁺ -Codoped Bismuth Titanate Thin Films. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2109-2112	3.8	32
3	Significantly enhanced red photoluminescence properties of nanocomposite films composed of a ferroelectric Bi _{3.6} Eu _{0.4} Ti ₃ O ₁₂ matrix and highly c-axis-oriented ZnO nanorods on Si substrates prepared by a hybrid chemical solution method. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1790-1	16.4	47
2	Improved photoluminescence and ferroelectric properties of (Bi _{3.6} Eu _{0.4})Ti ₃ O ₁₂ thin films via Li ⁺ doping. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 2134-7	3.2	3
1	Preparation and Photoluminescence of Praseodymium-Doped Bismuth Titanate Ferroelectric Thin Films. <i>Ferroelectrics</i> , 2010 , 406, 108-113	0.6	4