Hai Zhu

List of Publications by Year
in descending order

34 papers	1,524 citations	471061 17 h-index	395343 33 g-index
35 all docs	35 docs citations	35 times ranked	2622 citing authors

#	Article	IF	Citations
1	Effect of Selfâ€Seed Inducing on the Growth Mechanism and Photovoltaic Performance of Cu₂ZnSnSe₄ Thin Films. Solar Rrl, 2022, 6, .	3.1	9
2	Ultralow-threshold six-photon-excited upconversion lasing in a plasmonic microcavity. Nanoscale, 2022, 14, 7589-7595.	2.8	2
3	Competition of whispering gallery lasing modes in microwire with hexagonal cavity. Journal Physics D: Applied Physics, 2021, 54, 055107.	1.3	5
4	Robust Polariton Boseâ€“Einstein Condensation Laser via a Strong Coupling Microcavity. Laser and Photonics Reviews, 2020, 14, 2000273.	4.4	3
5	Five-photon absorption upconversion lasing from on-chip whispering gallery mode. Nanoscale, 2020, 12, 6130-6136.	2.8	4
6	Dispersion mapping of a whispering gallery mode robust polariton at room temperature. OSA Continuum, 2020, 3, 2053.	1.8	0
7	Enhanced Secondâ€Harmonic Generation in a Single Microwire Based on Localized Surface Plasmon. Physica Status Solidi (B): Basic Research, 2019, 256, 1900075.	0.7	0
8	Direct Patterning of Carbon Nanotube via Stamp Contact Printing Process for Stretchable and Sensitive Sensing Devices. Nano-Micro Letters, 2019, 11, 92.	14.4	56
9	Wrinkling of two-dimensional materials: methods, properties and applications. Nanoscale Horizons, 2019, 4, 291-320.	4.1	118
10	ZnO nanoparticles filled tetrapod-shaped carbon shell for lithium-sulfur batteries. Carbon, 2019, 141, 258-265.	5.4	54
11	Electrically driven lasers from van der Waals heterostructures. Nanoscale, 2018, 10, 9602-9607.	2.8	28
12	In situ sulfur loading in graphene-like nano-cell by template-free method for Liâ€“S batteries. Nanoscale, 2018, 10, 3877-3883.	2.8	17
13	Fabrication of wrinkled graphene based on thermal-enhanced Rayleigh-BÃ©nard convection for field electron emission. Carbon, 2018, 129, 646-652.	5.4	8
14	Capacitive Pressure Sensor with High Sensitivity and Fast Response to Dynamic Interaction Based on Graphene and Porous Nylon Networks. ACS Applied Materials & Interfaces, 2018, 10, 12816-12823.	4.0	236
15	Ultraviolet Random Laser Based on a Single GaN Microwire. ACS Photonics, 2018, 5, 2503-2508.	3.2	18
16	Sb-related defects in Sb-doped ZnO thin film grown by pulsed laser deposition. Journal of Applied Physics, 2018, 123, .	1.1	19
17	Enhancement of two-photon absorption photoresponse based on whispering gallery modes. Nanoscale, 2018, 10, 14047-14054.	2.8	7
18	Ultra-stretchable and highly sensitive strain sensor based on gradient structure carbon nanotubes. Nanoscale, 2018, 10, 13599-13606.	2.8	80

#	Article	IF	Citations
19	Lowâ€Threshold Whisperingâ€Gallery Mode Upconversion Lasing via Simultaneous Sixâ€Photon Absorption. Advanced Optical Materials, 2018, 6, 1800407.	3.6	12
20	Enhanced random laser by metal surface-plasmon channel waveguide. Optics Express, 2018, 26, 17511.	1.7	7
21	ZnS nanoparticles coated with graphene-like nano-cell as anode materials for high rate capability lithium-ion batteries. Journal of Materials Science, 2018, 53, 14619-14628.	1.7	13
22	Sevenâ€Photonâ€Excited Upconversion Lasing at Room Temperature. Advanced Optical Materials, 2018, 6, 1800518.	3.6	14
23	Low-threshold GaN thin-film random laser through the weak scattering feedback. Journal Physics D: Applied Physics, 2017, 50, 045107.	1.3	9
24	A one-dimensional random laser based on artificial high-index contrast scatterers. Nanoscale, 2017, 9, 6959-6964.	2.8	15
25	Electrically Driven Single Microwire-Based Heterojuction Light-Emitting Devices. ACS Photonics, 2017, 4, 1286-1291.	3.2	26
26	Structural Engineering for High Sensitivity, Ultrathin Pressure Sensors Based on Wrinkled Graphene and Anodic Aluminum Oxide Membrane. ACS Applied Materials & Interfaces, 2017, 9, 24111-24117.	4.0	97
27	Berylliumâ€Assisted pâ€Type Doping for ZnO Homojunction Lightâ€Emitting Devices. Advanced Functional Materials, 2016, 26, 3696-3702.	7.8	42
28	Amplified Spontaneous Emission from Organicâ€“Inorganic Hybrid Lead Iodide Perovskite Single Crystals under Direct Multiphoton Excitation. Advanced Optical Materials, 2016, 4, 1053-1059.	3.6	47
29	Amplified Spontaneous Emission and Lasing from Lanthanide-Doped Up-Conversion Nanocrystals. ACS Nano, 2013, 7, 11420-11426.	7.3	116
30	Realization of lasing emission from graphene quantum dots using titanium dioxide nanoparticles as light scatterers. Nanoscale, 2013, 5, 1797.	2.8	52
31	Directional single-mode emission from coupled whispering gallery resonators realized by using ZnS microbelts. Optics Letters, 2013, 38, 1527.	1.7	6
32	Low-threshold electrically pumped ultraviolet laser diode. Journal of Materials Chemistry, 2011, 21, 2848.	6.7	29
33	Lowâ€Threshold Electrically Pumped Random Lasers. Advanced Materials, 2010, 22, 1877-1881.	11.1	124
34	Ultralowâ€Threshold Laser Realized in Zinc Oxide. Advanced Materials, 2009, 21, 1613-1617.	11.1	205