

Hai Zhu

List of Publications by Year in descending order

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34
papers

1,524
citations

471061

17
h-index

395343

33
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all docs

35
docs citations

35
times ranked

2622
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Ultralow-Threshold Laser Realized in Zinc Oxide. Advanced Materials, 2009, 21, 1613-1617.	11.1	205
3	Low-Threshold Electrically Pumped Random Lasers. Advanced Materials, 2010, 22, 1877-1881.	11.1	124
4	Wrinkling of two-dimensional materials: methods, properties and applications. Nanoscale Horizons, 2019, 4, 291-320.	4.1	118
5	Amplified Spontaneous Emission and Lasing from Lanthanide-Doped Up-Conversion Nanocrystals. ACS Nano, 2013, 7, 11420-11426.	7.3	116
6	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
7	Ultra-stretchable and highly sensitive strain sensor based on gradient structure carbon nanotubes. Nanoscale, 2018, 10, 13599-13606.	2.8	80
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	ZnO nanoparticles filled tetrapod-shaped carbon shell for lithium-sulfur batteries. Carbon, 2019, 141, 258-265.	5.4	54
10	Realization of lasing emission from graphene quantum dots using titanium dioxide nanoparticles as light scatterers. Nanoscale, 2013, 5, 1797.	2.8	52
11	Amplified Spontaneous Emission from Organic-Inorganic Hybrid Lead Iodide Perovskite Single Crystals under Direct Multiphoton Excitation. Advanced Optical Materials, 2016, 4, 1053-1059.	3.6	47
12	Beryllium-Assisted p-Type Doping for ZnO Homo Junction Light-Emitting Devices. Advanced Functional Materials, 2016, 26, 3696-3702.	7.8	42
13	Low-threshold electrically pumped ultraviolet laser diode. Journal of Materials Chemistry, 2011, 21, 2848.	6.7	29
14	Electrically driven lasers from van der Waals heterostructures. Nanoscale, 2018, 10, 9602-9607.	2.8	28
15	Electrically Driven Single Microwire-Based Heterojunction Light-Emitting Devices. ACS Photonics, 2017, 4, 1286-1291.	3.2	26
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	Ultraviolet Random Laser Based on a Single GaN Microwire. ACS Photonics, 2018, 5, 2503-2508.	3.2	18
18	<i>In situ</i> sulfur loading in graphene-like nano-cell by template-free method for Li-S batteries. Nanoscale, 2018, 10, 3877-3883.	2.8	17

#	ARTICLE	IF	CITATIONS
19	A one-dimensional random laser based on artificial high-index contrast scatterers. <i>Nanoscale</i> , 2017, 9, 6959-6964.	2.8	15
20	Seven-photon-excited Upconversion Lasing at Room Temperature. <i>Advanced Optical Materials</i> , 2018, 6, 1800518.	3.6	14
21	ZnS nanoparticles coated with graphene-like nano-cell as anode materials for high rate capability lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 14619-14628.	1.7	13
22	Low-threshold Whispering-gallery Mode Upconversion Lasing via Simultaneous Six-photon Absorption. <i>Advanced Optical Materials</i> , 2018, 6, 1800407.	3.6	12
23	Low-threshold GaN thin-film random laser through the weak scattering feedback. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 045107.	1.3	9
24	Effect of Self-seed Inducing on the Growth Mechanism and Photovoltaic Performance of $\text{Cu}_2\text{ZnSnSe}_4$ Thin Films. <i>Solar Rrl</i> , 2022, 6, .	3.1	9
25	Fabrication of wrinkled graphene based on thermal-enhanced Rayleigh-Bénard convection for field electron emission. <i>Carbon</i> , 2018, 129, 646-652.	5.4	8
26	Enhancement of two-photon absorption photoresponse based on whispering gallery modes. <i>Nanoscale</i> , 2018, 10, 14047-14054.	2.8	7
27	Enhanced random laser by metal surface-plasmon channel waveguide. <i>Optics Express</i> , 2018, 26, 17511.	1.7	7
28	Directional single-mode emission from coupled whispering gallery resonators realized by using ZnS microbelts. <i>Optics Letters</i> , 2013, 38, 1527.	1.7	6
29	Competition of whispering gallery lasing modes in microwire with hexagonal cavity. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 055107.	1.3	5
30	Five-photon absorption upconversion lasing from on-chip whispering gallery mode. <i>Nanoscale</i> , 2020, 12, 6130-6136.	2.8	4
31	Robust Polariton Bose-Einstein Condensation Laser via a Strong Coupling Microcavity. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000273.	4.4	3
32	Ultralow-threshold six-photon-excited upconversion lasing in a plasmonic microcavity. <i>Nanoscale</i> , 2022, 14, 7589-7595.	2.8	2
33	Enhanced Second-harmonic Generation in a Single Microwire Based on Localized Surface Plasmon. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900075.	0.7	0
34	Dispersion mapping of a whispering gallery mode robust polariton at room temperature. <i>OSA Continuum</i> , 2020, 3, 2053.	1.8	0