

Zhongmin Yang

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,695
citations

361045

20
h-index

301761

39
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all docs

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docs citations

56
times ranked

1707
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregated carbon dots-loaded macrophages treat sepsis by eliminating multidrug-resistant bacteria and attenuating inflammation. <i>Aggregate</i> , 2023, 4, .	5.2	17
2	High-Precision Tunable Single-Frequency Fiber Laser at 1.5 μ m Based on Self-Injection Locking. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 633-636.	1.3	2
3	Structured Scintillators for Efficient Radiation Detection. <i>Advanced Science</i> , 2022, 9, e2102439.	5.6	50
4	Tunable luminescence in Pr ³⁺ single-doped oxyfluoride glass ceramic and fibers. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5266-5275.	2.7	10
5	Stretchable and Strain-Decoupled Fluorescent Optical Fiber Sensor for Body Temperature and Movement Monitoring. <i>ACS Photonics</i> , 2022, 9, 1415-1424.	3.2	19
6	Intense continuous-wave laser and mode-locked pulse operation from Yb ³⁺ -doped oxyfluoride glass-ceramic fibers. <i>Journal of the American Ceramic Society</i> , 2022, 105, 5203-5212.	1.9	4
7	Coupling Localized Laser Writing and Nonlocal Recrystallization in Perovskite Crystals for Reversible Multidimensional Optical Encryption. <i>Advanced Materials</i> , 2022, 34, e2201413.	11.1	27
8	A 102 W High-Power Linearly-Polarized All-Fiber Single-Frequency Laser at 1560 nm. <i>Photonics</i> , 2022, 9, 396.	0.9	2
9	Copper Doped Carbon Dots for Addressing Bacterial Biofilm Formation, Wound Infection, and Tooth Staining. <i>ACS Nano</i> , 2022, 16, 9479-9497.	7.3	63
10	Enhanced Thermoelectric Properties of Bi ₂ Te ₃ -Based Micro-Nano Fibers via Thermal Drawing and Interfacial Engineering. <i>Advanced Materials</i> , 2022, 34, .	11.1	13
11	Enhanced CW Lasing and Q-switched Pulse Generation Enabled by Tm ³⁺ -Doped Glass Ceramic Fibers. <i>Advanced Optical Materials</i> , 2021, 9, 2001774.	3.6	16
12	Design and fabrication of lutetium aluminum silicate glass and nanostructured glass for radiation detection. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2030-2038.	1.9	6
13	Self-assembled ultrafine CsPbBr ₃ perovskite nanowires for polarized light detection. <i>Science China Materials</i> , 2021, 64, 2261-2271.	3.5	13
14	Tunable Light Polarization Information from Single Upconverting Fluoride Microcrystal. <i>Advanced Optical Materials</i> , 2021, 9, 2100044.	3.6	13
15	Catalytic-Enhanced Lactoferrin-Functionalized Au-Bi ₂ Se ₃ Nanodots for Parkinson's Disease Therapy via Reactive Oxygen Attenuation and Mitochondrial Protection. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100316.	3.9	21
16	Self-Powered Stretchable Mechanoluminescent Optical Fiber Strain Sensor. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100035.	3.3	28
17	A Honeycomb-Like Bismuth/Manganese Oxide Nanoparticle with Mutual Reinforcement of Internal and External Response for Triple-Negative Breast Cancer Targeted Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100518.	3.9	25
18	Optical Fiber Waveguiding Soft Photoactuators Exhibiting Giant Reversible Shape Change. <i>Advanced Optical Materials</i> , 2021, 9, 2101132.	3.6	10

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19	Emerging and perspectives in microlasers based on rare-earth ions activated micro-/nanomaterials. <i>Progress in Materials Science</i> , 2021, 121, 100814.	16.0	18
20	Azimuthally and radially polarized orbital angular momentum modes in valley topological photonic crystal fiber. <i>Nanophotonics</i> , 2021, 10, 4067-4074.	2.9	10
21	Hydrogel Optical Fiber Based Ratiometric Fluorescence Sensor for Highly Sensitive Ph Detection. <i>Journal of Lightwave Technology</i> , 2021, 39, 6653-6659.	2.7	15
22	Real-time multispeckle spectral-temporal measurement unveils the complexity of spatiotemporal solitons. <i>Nature Communications</i> , 2021, 12, 67.	5.8	26
23	Near-infrared mechanoluminescence crystals: a review. <i>IScience</i> , 2021, 24, 101944.	1.9	36
24	Er ³⁺ -Activated Hybridized Glass Fiber for Laser and Sensor in the Extended Wavebands. <i>Advanced Optical Materials</i> , 2021, 9, 2101394.	3.6	16
25	Recent Advances in Mechanoluminescence of Doped Zinc Sulfides. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100276.	4.4	44
26	Higher-Order Weyl-Exceptional-Ring Semimetals. <i>Physical Review Letters</i> , 2021, 127, 196801.	2.9	32
27	Solution-precipitation synthesis of perovskite polyhedron and its lasing applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6667-6671.	2.7	3
28	Multiphase Transition toward Colorless Bismuth ³⁺ -Germanate Scintillating Glass and Fiber for Radiation Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17752-17759.	4.0	16
29	Real-time frequency-encoded spatiotemporal focusing through scattering media using a programmable 2D ultrafine optical frequency comb. <i>Science Advances</i> , 2020, 6, eaay1192.	4.7	34
30	Quantitative prediction of the glass-forming region and luminescence properties in Tm ³⁺ -doped germanate laser glasses. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4203-4213.	1.9	2
31	Tailoring microstructure and electrical transportation through tensile stress in Bi ₂ Te ₃ thermoelectric fibers. <i>Journal of Materiomics</i> , 2020, 6, 467-475.	2.8	13
32	Three-Dimensional Laser-Assisted Patterning of Blue-Emissive Metal Halide Perovskite Nanocrystals inside a Glass with Switchable Photoluminescence. <i>ACS Nano</i> , 2020, 14, 3150-3158.	7.3	102
33	Broadband photonic topological insulator based on triangular-holes array with higher energy filling efficiency. <i>Nanophotonics</i> , 2020, 9, 2839-2846.	2.9	8
34	Single crystal tellurium semiconductor core optical fibers. <i>Optical Materials Express</i> , 2020, 10, 1072.	1.6	12
35	Enhanced NIR photoemission from Bi ³⁺ -doped aluminoborate glasses via topological tailoring of glass structure. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1710-1719.	1.9	13
36	Quantitative prediction of the structure and luminescence properties of Nd ³⁺ doped borate laser glasses. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7288-7298.	1.9	5

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37	Visualizing Dynamic Performance of Lipid Droplets in a Parkinson's Disease Model via a Smart Photostable Aggregation-Induced Emission Probe. <i>IScience</i> , 2019, 21, 261-272.	1.9	22
38	Ultralong tumor retention of theranostic nanoparticles with short peptide-enabled active tumor homing. <i>Materials Horizons</i> , 2019, 6, 1845-1853.	6.4	27
39	Coordination Geometry Engineering in a Doped Disordered Matrix for Tunable Optical Response. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29343-29352.	1.5	10
40	Tm ³⁺ -doped barium gallio-germanate glass single-mode fiber with high gain per unit length for ultracompact 1.95 μm laser. <i>Applied Physics Express</i> , 2018, 11, 032701.	1.1	22
41	Composite film with anisotropically enhanced optical nonlinearity for a pulse-width tunable fiber laser. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1126-1135.	2.7	18
42	Tunable luminescence from bismuth-doped phosphate laser glass by engineering photonic glass structure. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1916-1922.	1.9	18
43	Enhanced thermoelectric properties of polycrystalline Bi ₂ Te ₃ core fibers with preferentially oriented nanosheets. <i>APL Materials</i> , 2018, 6, .	2.2	33
44	Ultrabroad Photoemission from an Amorphous Solid by Topochemical Reduction. <i>Advanced Optical Materials</i> , 2018, 6, 1801059.	3.6	36
45	Scalable In-Fiber Manufacture of Functional Composite Particles. <i>ACS Nano</i> , 2018, 12, 11130-11138.	7.3	12
46	Efficient 2 μm emission in Er ³⁺ /Ho ³⁺ co-doped lead silicate glasses under different excitations. <i>Optical Materials</i> , 2018, 82, 147-153.	1.7	16
47	Distribution and stabilization of bismuth NIR centers in Bi-doped aluminosilicate laser glasses by managing glass network structure. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7814-7821.	2.7	21
48	Multi-functional bismuth-doped bioglasses: combining bioactivity and photothermal response for bone tumor treatment and tissue repair. <i>Light: Science and Applications</i> , 2018, 7, 1.	7.7	301
49	Two micrometer fluorescence emission and energy transfer in Yb ³⁺ /Ho ³⁺ co-doped lead silicate glass. <i>International Journal of Applied Glass Science</i> , 2017, 8, 196-203.	1.0	13
50	Mesoscale engineering of photonic glass for tunable luminescence. <i>NPG Asia Materials</i> , 2016, 8, e318-e318.	3.8	72
51	Phosphate glass-clad tellurium semiconductor core optical fibers. <i>Journal of Alloys and Compounds</i> , 2015, 633, 1-4.	2.8	32
52	3 μm GHz, fundamentally mode-locked, femtosecond Yb-fiber laser. <i>Optics Letters</i> , 2012, 37, 3522.	1.7	94
53	400 mW ultrashort cavity low-noise single-frequency Yb ³⁺ -doped phosphate fiber laser. <i>Optics Letters</i> , 2011, 36, 3708.	1.7	185
54	Nanostructured Glass Composite for Self-Calibrated Radiation Dose Rate Detection. <i>Advanced Optical Materials</i> , 0, , 2100751.	3.6	6

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55	Multifunctional single-crystal tellurium core multimaterial fiber via thermal drawing and laser recrystallization. <i>Journal of the American Ceramic Society</i> , 0, , .	1.9	6