

# Juncheng Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3103843/publications.pdf>

Version: 2024-02-01

47  
papers

391  
citations

759233

12  
h-index

940533

16  
g-index

47  
all docs

47  
docs citations

47  
times ranked

368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Sb doping on the structure and properties of SnO <sub>2</sub> films. <i>Current Applied Physics</i> , 2020, 20, 462-469.	2.4	21
2	Effects of calcination temperature and Li <sup>+</sup> ions doping on structure and upconversion luminescence properties of TiO <sub>2</sub> :Ho <sup>3+</sup> -Yb <sup>3+</sup> nanocrystals. <i>Journal of Materials Science and Technology</i> , 2019, 35, 483-490.	10.7	20
3	Synthesis and luminescence properties of Eu <sup>3+</sup> doped potassium titanate telluroborate (KTTB) glasses for red laser applications. <i>Journal of Luminescence</i> , 2021, 230, 117735.	3.1	20
4	A novel Er <sup>3+</sup> ions doped zirconium magnesium borate glass with very high quantum efficiency for green laser and optical amplifier applications. <i>Solid State Sciences</i> , 2021, 111, 106443.	3.2	19
5	Green emission and laser properties of Ho <sup>3+</sup> doped titanate lead borate (TLB) glasses for colour display applications. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121793.	2.9	17
6	The effects of niobium on the structure and properties of VO <sub>2</sub> films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4981-4987.	2.2	15
7	Structure and thermochromic properties of Mo-doped VO <sub>2</sub> thin films deposited by sol-gel method. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 120-125.	1.6	15
8	Synthesis and Properties of Polyimide Silica Nanocomposite Film with High Transparent and Radiation Resistance. <i>Nanomaterials</i> , 2021, 11, 562.	4.1	14
9	Microstructure of the directionally solidified ternary eutectic ceramic Al <sub>2</sub> O <sub>3</sub> /MgAl <sub>2</sub> O <sub>4</sub> /ZrO <sub>2</sub> . <i>Ceramics International</i> , 2016, 42, 8079-8084.	4.8	13
10	The luminescence regulation effect of Na <sup>+</sup> on the Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped Y <sub>2</sub> O <sub>3</sub> up-conversion films. <i>Journal of Luminescence</i> , 2018, 203, 16-25.	3.1	13
11	Microstructure and Mechanical Properties of Al <sub>2</sub> O <sub>3</sub> /Er <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Binary Eutectic Ceramic Prepared by Bridgman Method. <i>Materials</i> , 2018, 11, 534.	2.9	12
12	Microstructure and mechanical properties of directionally solidified Al <sub>2</sub> O <sub>3</sub> /GdAlO <sub>3</sub> eutectic ceramic prepared with horizontal high-frequency zone melting. <i>Ceramics International</i> , 2019, 45, 10279-10285.	4.8	12
13	Effect of Zn <sup>2+</sup> and Li <sup>+</sup> ions doped on microstructure and upconversion luminescence of Y <sub>2</sub> O <sub>3</sub> :Er <sup>3+</sup> -Yb <sup>3+</sup> thin films. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152575.	5.5	12
14	Preparation of wide optical spectrum and high antireflection MgF <sub>2</sub> thin film with SF <sub>6</sub> as reactive gas. <i>Materials Research Express</i> , 2020, 7, 026415.	1.6	11
15	Effects of Zirconium Ions Doping on the Structural and Thermochromic Properties of VO <sub>2</sub> Thin Films. <i>Journal of Electronic Materials</i> , 2017, 46, 6466-6472.	2.2	10
16	Preparation of directionally solidified Al <sub>2</sub> O <sub>3</sub> /YAG/ZrO <sub>2</sub> ternary eutectic ceramic with induction heating zone melting. <i>Journal of Alloys and Compounds</i> , 2019, 789, 240-248.	5.5	10
17	Effect of sputtering power on the properties of SiO <sub>2</sub> films grown by radio frequency magnetron sputtering at room temperature. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	10
18	Spectroscopic and radiative properties of Dy <sup>3+</sup> : BBCZFB glass suitable for solid-state yellow laser and W-LEDs applications. <i>Optics and Laser Technology</i> , 2021, 140, 106944.	4.6	10

#	ARTICLE	IF	CITATIONS
19	Down-conversion luminescence and shielding parameters of Dy <sup>3+</sup> : NFBT glass for white LED and radiation applications. <i>Optical Materials</i> , 2021, 114, 110997.	3.6	9
20	Judd-Ofelt analysis and visible luminescence of Sm <sup>3+</sup> : MCZBP glass for reddish-orange laser and multi-colour display applications. <i>Solid State Sciences</i> , 2021, 115, 106606.	3.2	9
21	Microstructure evolution and toughening mechanism of Al <sub>2</sub> O <sub>3</sub> /YSZ directionally solidified eutectic ceramic. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159760.	5.5	9
22	The photo-switch effect and the energy-level population change of Li <sup>+</sup> doping in Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped Y <sub>2</sub> O <sub>3</sub> upconversion films. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	8
23	Concentration effect of Tm <sup>3+</sup> ions doped B <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> CO <sub>3</sub> -BaCO <sub>3</sub> -CaF <sub>2</sub> -ZnO glasses: Blue laser and radiation shielding investigations. <i>Optics and Laser Technology</i> , 2022, 154, 108262.	4.6	8
24	Effect of solidification process on microstructure and properties of Al <sub>2</sub> O <sub>3</sub> /Er <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> eutectic ceramic. <i>Ceramics International</i> , 2018, 44, 17407-17414.	4.8	7
25	Photoluminescence and gamma ray shielding properties of novel Dy <sup>3+</sup> : GSBS glass for solid state W-LEDs and radiation applications. <i>Materials Chemistry and Physics</i> , 2021, 263, 124421.	4.0	7
26	Directionally solidified Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> eutectic ceramic prepared with induction heating zone melting. <i>Journal of Materials Research</i> , 2018, 33, 1681-1689.	2.6	6
27	Microstructure and mechanical properties of directionally solidified Al <sub>2</sub> O <sub>3</sub> /YAG binary eutectic ceramic prepared with induction heating zone melting. <i>Materials Chemistry and Physics</i> , 2020, 242, 122503.	4.0	6
28	Effect of Rb <sup>+</sup> Doping on Tunable Luminescence in Yb <sup>3+</sup> /Er <sup>3+</sup> Y <sub>2</sub> O <sub>3</sub> Film. <i>Coatings</i> , 2020, 10, 1137.	2.6	6
29	A novel Tb <sup>3+</sup> ions doped barium strontium fluorosilicate (Tb <sup>3+</sup> : BSFS) glasses for green laser emission and white LEDs. <i>Optik</i> , 2021, 233, 166596.	2.9	6
30	High infrared insulation and high visible light transmittance Sb/Yb co-doped SnO <sub>2</sub> film prepared with sol-gel method. <i>Chemical Physics Letters</i> , 2022, 787, 139238.	2.6	6
31	Preparation of SiO <sub>2</sub> antireflection film with high hardness and adhesion by mPEG. <i>Reactive and Functional Polymers</i> , 2022, 171, 105176.	4.1	6
32	High Quality GaSb and GaInSb Crystals Prepared by Vertical Bridgman Method. <i>Crystal Research and Technology</i> , 2017, 52, 1700092.	1.3	5
33	Enhanced upconversion luminescence of TiO <sub>2</sub> :Ho <sup>3+</sup> Yb <sup>3+</sup> nanocrystals with modified structure via tri-doping Li <sup>+</sup> ions. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 295103.	2.8	5
34	Preparation of hydrophobic SiO <sub>2</sub> film with high transmittance by sol mixing method. <i>Chemical Physics Letters</i> , 2020, 747, 137331.	2.6	5
35	Effect of SF <sub>6</sub> flow ratio on microstructure and properties of MgF <sub>2</sub> thin films prepared by magnetron sputtering. <i>Chemical Physics Letters</i> , 2021, 762, 138086.	2.6	4
36	Low Surface Roughness Graphene Oxide Film Reduced with Aluminum Film Deposited by Magnetron Sputtering. <i>Nanomaterials</i> , 2021, 11, 1428.	4.1	4

#	ARTICLE	IF	CITATIONS
37	Improvement of GaInSb crystal quality by rotating magnetic field. Journal of Materials Science: Materials in Electronics, 2019, 30, 15654-15661.	2.2	3
38	Preparation of Fluorine-Free and Superhydrophobic SiO <sub>2</sub> Film with High Transmittance. ChemistrySelect, 2020, 5, 10220-10227.	1.5	3
39	Effect of temperature gradient on microstructure and properties of GaSb crystals grown with Bridgman method. Materials Research Express, 2020, 7, 055902.	1.6	3
40	Investigations on the luminescence and gamma ray shielding features of Pr <sup>3+</sup> : BLCZFB glass for orange-red laser and radiation applications. Physica B: Condensed Matter, 2021, 614, 413024.	2.7	3
41	Gelcasting of NiO/YSZ Tubular Anode-Supports for Solid Oxide Fuel Cells. Materials and Manufacturing Processes, 2014, 29, 1153-1156.	4.7	2
42	Preparation and characterization of pure VO <sub>2</sub> powder with sintering. Inorganic and Nano-Metal Chemistry, 2017, 47, 1718-1721.	1.6	2
43	Up-conversion, energy transfer and CIE analysis of Er <sup>3+</sup> /Tm <sup>3+</sup> : MCZBP glasses. Optik, 2021, 242, 167324.	2.9	2
44	Deformational Features and Microstructure Evolution of Copper Fabricated by a Single Pass of the Elliptical Cross-Section Spiral Equal-Channel Extrusion (ECSEE) Process. Journal of Materials Engineering and Performance, 2018, 27, 2967-2977.	2.5	1
45	The Effect of Silane Coupling Agent on the Texture and Properties of In Situ Synthesized PI/SiO <sub>2</sub> Nanocomposite Film. Nanomaterials, 2022, 12, 286.	4.1	1
46	Graphene Reinforced Anticorrosion Transparent Conductive Composite Film Based on Ultra-Thin Ag Nanofilm. Materials, 2022, 15, 4802.	2.9	1
47	Numerical Simulation of Solid-Liquid Interface of GaInSb Crystal Growth with Travelling Heater Method. Crystals, 2022, 12, 793.	2.2	0