Juncheng Liu

List of Publications by Year
in descending order

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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	High infrared insulation and high visible light transmittance Sb/Yb co-doped SnO2 film prepared with solâ€“gel method. Chemical Physics Letters, 2022, 787, 139238.	2.6	6
2	The Effect of Silane Coupling Agent on the Texture and Properties of In Situ Synthesized PI/SiO2 Nanocomposite Film. Nanomaterials, 2022, 12, 286.	4.1	1
3	Preparation of SiO2 antireflection film with high hardness and adhesion by mPEG. Reactive and Functional Polymers, 2022, 171, 105176.	4.1	6
4	Concentration effect of Tm3+ ions doped B2O3-Li2CO3-BaCO3-CaF2-ZnO glasses: Blue laser and radiation shielding investigations. Optics and Laser Technology, 2022, 154, 108262.	4.6	8
5	Numerical Simulation of Solidâ€“Liquid Interface of GaInSb Crystal Growth with Travelling Heater Method. Crystals, 2022, 12, 793.	2.2	0
6	Graphene Reinforced Anticorrosion Transparent Conductive Composite Film Based on Ultra-Thin Ag Nanofilm. Materials, 2022, 15, 4802.	2.9	1
7	Green emission and laser properties of Ho3+ doped titano lead borate (TLB) glasses for colour display applications. Journal of Solid State Chemistry, 2021, 293, 121793.	2.9	17
8	Effect of SF6 flow ratio on microstructure and properties of MgF2 thin films prepared by magnetron sputtering. Chemical Physics Letters, 2021, 762, 138086.	2.6	4
9	Synthesis and luminescence properties of Eu3+ doped potassium titano telluroborate (KTTB) glasses for red laser applications. Journal of Luminescence, 2021, 230, 117735.	3.1	20
10	A novel Er3+ ions doped zirconium magnesium borate glass with very high quantum efficiency for green laser and optical amplifier applications. Solid State Sciences, 2021, 111, 106443.	3.2	19
11	Effect of sputtering power on the properties of SiO2 films grown by radio frequency magnetron sputtering at room temperature. Optical and Quantum Electronics, 2021, 53, 1.	3.3	10
12	Synthesis and Properties of Polyimide Silica Nanocomposite Film with High Transparent and Radiation Resistance. Nanomaterials, 2021, 11, 562.	4.1	14
13	Photoluminescence and gamma ray shielding properties of novel Dy3+: GSBS glass for solid state W-LEDs and radiation applications. Materials Chemistry and Physics, 2021, 263, 124421.	4.0	7
14	Down-conversion luminescence and shielding parameters of Dy3+: NFBT glass for white LED and radiation applications. Optical Materials, 2021, 114, 110997.	3.6	9
15	Judd-Ofelt analysis and visible luminescence of Sm3+: MCZBP glass for reddish-orange laser and multi-colour display applications. Solid State Sciences, 2021, 115, 106606.	3.2	9
16	Low Surface Roughness Graphene Oxide Film Reduced with Aluminum Film Deposited by Magnetron Sputtering. Nanomaterials, 2021, 11, 1428.	4.1	4
17	A novel Tb3+ ions doped barium strontium fluorosilicate (Tb3+: BSFS) glasses for green laser emission and white LEDs. Optik, 2021, 233, 166596.	2.9	6
18	Spectroscopic and radiative properties of Dy3+: BBCZFB glass suitable for solid-state yellow laser and W-LEDs applications. Optics and Laser Technology, 2021, 140, 106944.	4.6	10

#	Article	IF	Citations
19	Investigations on the luminescence and gamma ray shielding features of Pr3+: BLCZFB glass for orange-red laser and radiation applications. Physica B: Condensed Matter, 2021, 614, 413024.	2.7	3
20	Microstructure evolution and toughening mechanism of Al2O3/YSZ directionally solidified eutectic ceramic. Journal of Alloys and Compounds, 2021, 873, 159760.	5.5	9
21	Up-conversion, energy transfer and CIE analysis of Er3+/Tm3+: MCZBP glasses. Optik, 2021, 242, 167324.	2.9	2
22	Effect of Zn2+ and Li+ ions doped on microstructure and upconversion luminescence of Y2O3: Er3+-Yb3+ thin films. Journal of Alloys and Compounds, 2020, 816, 152575.	5.5	12
23	Microstructure and mechanical properties of directionally solidified Al2O3/YAG binary eutectic ceramic prepared with induction heating zone melting. Materials Chemistry and Physics, 2020, 242, 122503.	4.0	6
24	Preparation of Fluorineâ€Free and Superhydrophobic SiO₂ Film with High Transmittance. ChemistrySelect, 2020, 5, 10220-10227.	1.5	3
25	Effect of Rb+ Doping on Tunable Luminescence in Yb3+/Er3+â€“Y2O3 Film. Coatings, 2020, 10, 1137.	2.6	6
26	Preparation of hydrophobic SiO2 film with high transmittance by sol mixing method. Chemical Physics Letters, 2020, 747, 137331.	2.6	5
27	Preparation of wide optical spectrum and high antireflection MgF₂ thin film with SF₆ as reactive gas. Materials Research Express, 2020, 7, 026415.	1.6	11
28	Effects of Sb doping on the structure and properties of SnO2 films. Current Applied Physics, 2020, 20, 462-469.	2.4	21
29	Effect of temperature gradient on microstructure and properties of GaSb crystals grown with Bridgman method. Materials Research Express, 2020, 7, 055902.	1.6	3
30	Improvement of GaInSb crystal quality by rotating magnetic field. Journal of Materials Science: Materials in Electronics, 2019, 30, 15654-15661.	2.2	3
31	Structure and thermochromic properties of Mo-doped VO₂ thin films deposited by solâ€“gel method. Inorganic and Nano-Metal Chemistry, 2019, 49, 120-125.	1.6	15
32	Preparation of directionally solidified Al2O3/YAG/ZrO2 ternary eutectic ceramic with induction heating zone melting. Journal of Alloys and Compounds, 2019, 789, 240-248.	5.5	10
33	Microstructure and mechanical properties of directionally solidified Al2O3/GdAlO3 eutectic ceramic prepared with horizontal high-frequency zone melting. Ceramics International, 2019, 45, 10279-10285.	4.8	12
34	The photo-switch effect and the energy-level population change of Li+ doping in Yb3+/Er3+ co-doped Y2O3 upconversion films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	8
35	Effects of calcination temperature and Li+ ions doping on structure and upconversion luminescence properties of TiO2:Ho3+-Yb3+ nanocrystals. Journal of Materials Science and Technology, 2019, 35, 483-490.	10.7	20
36	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

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37	Directionally solidified Al2O3/ZrO2 eutectic ceramic prepared with induction heating zone melting. Journal of Materials Research, 2018, 33, 1681-1689.	2.6	6
38	Enhanced upconversion luminescence of TiO₂:Ho³⁺â€“Yb³⁺ nanocrystals with modified structure via tri-doping Li⁺ ions. Journal Physics D: Applied Physics, 2018, 51, 295103.	2.8	5
39	Effect of solidification process on microstructure and properties of Al2O3/Er3Al5O12 eutectic ceramic. Ceramics International, 2018, 44, 17407-17414.	4.8	7
40	Microstructure and Mechanical Properties of Al2O3/Er3Al5O12 Binary Eutectic Ceramic Prepared by Bridgman Method. Materials, 2018, 11, 534.	2.9	12
41	The luminescence regulation effect of Na+ on the Yb3+/Er3+ co-doped Y2O3 up-conversion films. Journal of Luminescence, 2018, 203, 16-25.	3.1	13
42	Preparation and characterization of pure VO2 powder with sintering. Inorganic and Nano-Metal Chemistry, 2017, 47, 1718-1721.	1.6	2
43	Highâ€Quality GaSb and GaInSb Crystals Prepared by Vertical Bridgman Method. Crystal Research and Technology, 2017, 52, 1700092.	1.3	5
44	Effects of Zirconium Ions Doping on the Structural and Thermochromic Properties of VO2 Thin Films. Journal of Electronic Materials, 2017, 46, 6466-6472.	2.2	10
45	Microstructure of the directionally solidified ternary eutectic ceramic Al2O3/MgAl2O4/ZrO2. Ceramics International, 2016, 42, 8079-8084.	4.8	13
46	The effects of niobium on the structure and properties of VO2 films. Journal of Materials Science: Materials in Electronics, 2016, 27, 4981-4987.	2.2	15
47	Gelcasting of NiO/YSZ Tubular Anode-Supports for Solid Oxide Fuel Cells. Materials and Manufacturing Processes, 2014, 29, 1153-1156.	4.7	2