Yin Liu

List of Publications by Year
in descending order

71	1,323	304368	414034
papers	citations	22 h-index	32 g-index

71	71	71	1461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highâ€entropy transparent ceramics: Review of potential candidates and recently studied cases. International Journal of Applied Ceramic Technology, 2022, 19, 644-672.	1.1	20
2	Solid-state single-crystal growth of YAG and Nd: YAG by spark plasma sintering. Journal of Materials Science and Technology, 2022, 106, 118-127.	5.6	4
3	Plastic mulch debris in rhizosphere: Interactions with soil-microbe-plant systems. Science of the Total Environment, 2022, 807, 151435.	3.9	25
4	Novel transparent MgGa2O4 and Ni2+-doped MgGa2O4 ceramics. Journal of Advanced Ceramics, 2022, 11, 470-481.	8.9	16
5	Rapid Pressureless Sintering of Glasses. Small, 2022, 18, e2107951.	5.2	20
6	Dissolved organic matter (DOM) was detected in MSWI plant: An investigation of DOM and potential toxic elements variation in the bottom ash and fly ash. Science of the Total Environment, 2022, 828, 154339.	3.9	11
7	Ecological circular agriculture: A case study evaluating biogas slurry applied to rice in two soils. Chemosphere, 2022, 301, 134628.	4.2	9
8	Influence of inversion level on the optical absorption spectra of Tiâ€doped transparent MgGa₂O₄ ceramics. Journal of the American Ceramic Society, 2022, 105, 5944-5955.	1.9	1
9	Controllable Edge Epitaxy of Helical GeSe/GeS Heterostructures. Nano Letters, 2022, 22, 5086-5093.	4.5	8
10	Transparent alumina ceramics fabricated by 3D printing and vacuum sintering. Journal of the European Ceramic Society, 2021, 41, 781-791.	2.8	54
11	Room temperature hot-pressed Fe:ZnSe ceramic laser. , 2021, , .		0
12	Valenceâ€induced effects on the electrical properties of NiMn₂O₄ ceramics with different Ni sources. Journal of the American Ceramic Society, 2021, 104, 5148-5156.	1.9	4
13	Effects of plastic mulch film residues on soil-microbe-plant systems under different soil pH conditions. Chemosphere, 2021, 267, 128901.	4.2	72
14	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. Nano Letters, 2021, 21, 4700-4707.	4.5	4
15	Tunable room-temperature ferromagnetism in Co-doped two-dimensional van der Waals ZnO. Nature Communications, 2021, 12, 3952.	5.8	54
16	Dissolved organic carbon drives nutrient cycling via microbial community in paddy soil. Chemosphere, 2021, 285, 131472.	4.2	13
17	Highâ€entropy transparent fluoride laser ceramics. Journal of the American Ceramic Society, 2020, 103, 750-756.	1.9	63
18	Ultraviolet emission transparent Gd:YAG ceramics processed by solidâ€state reaction spark plasma sintering. Journal of the American Ceramic Society, 2020, 103, 839-848.	1.9	15

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19	Chemically Modulating the Twist Rate of Helical van der Waals Crystals. Chemistry of Materials, 2020, 32, 299-307.	3.2	5
20	High concentration Ce3+ doped BaF2 transparent ceramics. Journal of Alloys and Compounds, 2020, 817, 153075.	2.8	14
21	Solution-Based Synthesis of Layered Two-Dimensional Oxides as Broadband Emitters. ACS Nano, 2020, 14, 15544-15551.	7.3	5
22	Investigation of the structure, optical properties and Cr4+ conversion level of Yb3+ and Cr3+ codoped YAG transparent ceramics. Optical Materials, 2020, 109, 110406.	1.7	13
23	Growth and Properties of Dislocated Two-dimensional Layered Materials. MRS Advances, 2020, 5, 3437-3452.	0.5	3
24	Current status of solid-state single crystal growth. BMC Materials, 2020, 2, .	6.8	23
25	Tunable valleytronics with symmetry-retaining high polarization degree in SnSxSe1â^'x model system. Applied Physics Letters, 2020, 116, 061105.	1.5	6
26	Microstructure development and optical properties of Fe:ZnSe transparent ceramics sintered by spark plasma sintering. Journal of the American Ceramic Society, 2020, 103, 4159-4166.	1.9	14
27	Fabrication, microstructure and optical properties of Ce:SrF2 transparent ceramics. Optical Materials, 2020, 105, 109898.	1.7	6
28	Hot-pressed ceramic Fe:ZnSe gain-switched laser. Optical Materials Express, 2020, 10, 3417.	1.6	14
29	Gain switched hot-pressed Fe:ZnSe ceramic laser. , 2020, , .		0
30	Fabrication and properties of transparent Ndâ€doped BaF 2 ceramics. Journal of the American Ceramic Society, 2019, 102, 178-184.	1.9	19
31	Fabrication and microstructure development of Yb:YAG transparent ceramics from coâ€precipitated powders without additives. Journal of the American Ceramic Society, 2019, 102, 7154-7167.	1.9	12
32	Helical van der Waals crystals with discretized Eshelby twist. Nature, 2019, 570, 358-362.	13.7	91
33	Synthesis of Fe:ZnSe nanopowders via the coâ€precipitation method for processing transparent ceramics. Journal of the American Ceramic Society, 2019, 102, 7089-7097.	1.9	11
34	Low temperature self-densification of high strength bulk hexagonal boron nitride. Nature Communications, 2019, 10, 854.	5.8	26
35	Three-dimensional Architecture Enabled by Strained Two-dimensional Material Heterojunction. Nano Letters, 2018, 18, 1819-1825.	4.5	24
36	The roles of cation additives on the color center and optical properties of Yb:YAG transparent ceramic. Journal of the European Ceramic Society, 2018, 38, 1957-1965.	2.8	27

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37	Assessment of conversion efficiency of Cr⁴⁺ ions by aliovalent cation additives in Cr:<scp>YAG</scp> ceramic for edge cladding. Journal of the American Ceramic Society, 2018, 101, 5098-5109.	1.9	13
38	Solution-Based, Template-Assisted Realization of Large-Scale Graphitic ZnO. ACS Nano, 2018, 12, 7554-7561.	7.3	23
39	Fabrication, photoluminescence and terahertz absorption properties of Yb:YAG transparent ceramics with various Yb dopant concentrations. Optical Materials, 2018, 85, 106-112.	1.7	10
40	Lowâ€temperature crystal growth of Yb:Sr 5 F(PO 4) 3 without evident thermal runaway. Journal of the American Ceramic Society, 2017, 100, 2402-2406.	1.9	5
41	Fabrication and spectroscopic properties of Yb/Er:YAG and Yb, Er:YAG transparent ceramics by co-precipitation synthesis route. Journal of Luminescence, 2017, 188, 533-540.	1.5	23
42	Sintering behavior of calcium lanthanum sulfide ceramics in fieldâ€assisted consolidation. Journal of the American Ceramic Society, 2017, 100, 5011-5019.	1.9	4
43	Alloying effect on brightâ€“dark exciton states in ternary monolayer Mo_xW_{1â€“x}Se₂. New Journal of Physics, 2017, 19, 073018.	1.2	16
44	Synthesis and characterization of calcium lanthanum sulfide via a wet chemistry route followed by thermal decomposition. RSC Advances, 2016, 6, 34935-34939.	1.7	9
45	Luminescence of delafossite-type CuAlO₂ fibers with Eu substitution for Al cations. Science and Technology of Advanced Materials, 2016, 17, 200-209.	2.8	31
46	Electric Fieldâ€Enhanced Solidâ€State Conversion of Ceramic Sr₅(PO₄)₃F to Crystals. Journal of the American Ceramic Society, 2016, 99, 3561-3568.	1.9	4
47	Hot-pressed chromium doped zinc sulfide infrared transparent ceramics. Scripta Materialia, 2016, 125, 15-18.	2.6	28
48	Ammonium citrate-assisted combustion synthesis and photoluminescence properties of Dy:YAG nanophosphors. Journal of Sol-Gel Science and Technology, 2016, 79, 606-615.	1.1	4
49	Three-dimensional visualization of carbon networks in nanocomposites. Nanotechnology, 2015, 26, 442501.	1.3	3
50	Transparent and Luminescent ZnS Ceramics Consolidated by Vacuum Hot Pressing Method. Journal of the American Ceramic Society, 2015, 98, 2972-2975.	1.9	48
51	Electrohydrodynamic Processing of p-Type Transparent Conducting Oxides. Journal of Nanomaterials, 2015, 2015, 1-14.	1.5	5
52	Electrical properties and aging mechanism of Y2O3â€“MCr0.5Mn0.5O3 (MÂ=ÂSm, Gd) composite NTC ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 4221-4225.	1.1	3
53	Blue emission of Eu2+-doped translucent alumina. Journal of Luminescence, 2015, 168, 297-303.	1.5	25
54	Green phosphorescence of zinc sulfide optical ceramics. Optical Materials Express, 2014, 4, 1140.	1.6	19

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55	Blueshift in near-band-edge emission in Y^3+-doped CuAlO_2 nanofibers. Optical Materials Express, 2014, 4, 2602.	1.6	7
56	Electrical conductivity anomaly and X-ray photoelectron spectroscopy investigation of YCr1â^'xMnxO3 negative temperature coefficient ceramics. Applied Physics Letters, 2014, 104, .	1.5	29
57	Tape-casted transparent alumina ceramic wafers. Journal of Materials Research, 2014, 29, 2312-2317.	1.2	27
58	In Situ Cryogenic Transmission Electron Microscopy for Characterizing the Evolution of Solidifying Water Ice in Colloidal Systems. Microscopy and Microanalysis, 2014, 20, 330-337.	0.2	37
59	Synthesis of YCrO3 ceramics through a field-assisted sintering technique. Journal of Materials Science: Materials in Electronics, 2014, 25, 1400-1403.	1.1	6
60	Influence of temperature on the spark plasma sintering of calcium fluoride ceramics. Journal of Materials Research, 2014, 29, 2297-2302.	1.2	16
61	Synthesis and Thermoelectric Properties of Yb-doped Ca0.9â^'x Yb x La0.1MnO3 Ceramics. Journal of Electronic Materials, 2014, 43, 4048-4055.	1.0	16
62	Luminescence and Microstructure of <scp><scp>Nd</scp></scp> Doped <scp><scp>Y</scp></scp>₂<scp><scp>Si</scp></scp>₂<scp><scp>O</scp></scp>₇ Electrospun Fibers. Journal of the American Ceramic Society, 2014, 97, 2390-2393.	1.7	5
63	Environmental Electron Microscopy: Electron Beam Effects in Electrochemistry. Microscopy and Microanalysis, 2014, 20, 1616-1617.	0.2	1
64	Spark Plasma Sintering of Hexagonal Structure <scp><scp>Yb</scp></scp>³⁺â€Doped <scp><scp>Sr</scp></scp>₅(<scp><scp>PO</scp></scp>₄)₃<scp><scp>F</scp></scp> Transparent Ceramics. Journal of the American Ceramic Society, 2013, 96, 1694-1697.	1.9	29
65	MgAl2O4â€“LaCr0.5Mn0.5O3 composite ceramics for high temperature NTC thermistors. Journal of Materials Science: Materials in Electronics, 2013, 24, 4452-4456.	1.1	16
66	Synthesis of Yb3+ doped Sr5(PO4)3F nanoparticles through co-precipitation. Materials Letters, 2013, 107, 68-70.	1.3	22
67	Transparent <scp><scp>Y</scp></scp>₃<scp><scp>Al</scp></scp>₅<scp><scp>O</scp></scp>₁₂: <scp><scp>Li</scp></scp>,<scp><scp>Ce</scp></scp> Ceramics for Thermal Neutron Detection. Journal of the American Ceramic Society, 2013, 96, 1067-1069.	1.9	18
68	Electron beam induced deposition of silicon nanostructures from a liquid phase precursor. Nanotechnology, 2012, 23, 385302.	1.3	32
69	Effect of Cu Co-doping on the magnetism of Zn0.95Co0.05O films. Journal of Shanghai Jiaotong University (Science), 2012, 17, 738-742.	0.5	1
70	Synthesis of Yttrium Aluminum Garnet from Yttrium and Aluminum Isobutyrate Precursors. Journal of the American Ceramic Society, 1996, 79, 385-394.	1.9	74
71	YTTRIUM ALUMINATE CERAMIC FIBERS VIA PRE-CERAMIC POLYMER AND SOL-GEL ROUTES. Particulate Science and Technology, 1992, 10, 121-132.	1.1	8