

Yunzhong Zhu

List of Publications by Year in descending order

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19
papers

172
citations

1163117

8
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic properties and thermally stable orange-red luminescence of Sm:Zr:LiNbO ₃ and Sm:Hf:LiNbO ₃ for white LED applications. <i>Ceramics International</i> , 2021, 47, 1970-1975.	4.8	9
2	Plasmon enhanced upconversion emission in Tm ³⁺ /Yb ³⁺ /lithium niobate single crystal. <i>Applied Surface Science</i> , 2021, 566, 150660.	6.1	5
3	State of the Art in Crystallization of LiNbO ₃ and Their Applications. <i>Molecules</i> , 2021, 26, 7044.	3.8	27
4	Probing energy transfer mechanism via the upconversion spectra of Tm ³⁺ /Yb ³⁺ :LiNbO ₃ by tri-doping with Ba ²⁺ in different site occupations. <i>Journal of Alloys and Compounds</i> , 2020, 825, 153990.	5.5	3
5	Thermometry strategy developed based on fluorescence contrast driven by varying excitations in codoped LiNbO ₃ . <i>Photonics Research</i> , 2020, 8, 135.	7.0	7
6	In situ visualization of the quasi-periodic crystal growth interface fluctuation by growth interface electromotive force spectrum in a Czochralski system. <i>CrystEngComm</i> , 2019, 21, 1107-1113.	2.6	9
7	Luminescent properties of stoichiometric Er:LiTaO ₃ submicron particles synthesized by a modified solid-state combustion route. <i>Ceramics International</i> , 2019, 45, 10733-10739.	4.8	3
8	Growth and fluorescence characteristics of Er:LuAG laser crystals. <i>Journal of Crystal Growth</i> , 2019, 507, 321-326.	1.5	8
9	In-situ detection of convection and rotation striations by growth interface electromotive force spectrum. <i>Journal of Crystal Growth</i> , 2018, 487, 120-125.	1.5	12
10	Study on growth techniques and macro defects of large-size Nd:YAG laser crystal. <i>Journal of Crystal Growth</i> , 2018, 483, 200-205.	1.5	16
11	Optimization of pyroelectric figures of merit via magnesia doping in lithium tantalate single crystal. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 395101.	2.8	5
12	Temperature-Dependent and Threshold Behavior of Sm ³⁺ Ions on Fluorescence Properties of Lithium Niobate Single Crystals. <i>Materials</i> , 2018, 11, 2058.	2.9	7
13	In-situ detection of growth striations by crystallization electromotive force measurement during Czochralski crystal growth. <i>Journal of Crystal Growth</i> , 2017, 475, 70-76.	1.5	11
14	Temperature dependence of white light emission and energy transfer in Dy ³⁺ and Tm ³⁺ co-doped LiNbO ₃ single crystals. <i>Journal of Luminescence</i> , 2017, 192, 728-733.	3.1	20
15	Effects of Zr ⁴⁺ co-doping on the spectroscopic properties and yellow light emissions of Dy ³⁺ in LiNbO ₃ single crystals. <i>Optical Materials Express</i> , 2016, 6, 3354.	3.0	9
16	Improvement of pyroelectric figures of merit in zirconia-doped congruent lithium niobate single crystals. <i>Journal of Materials Science</i> , 2016, 51, 3155-3161.	3.7	13
17	Efficient Synthesis of Stoichiometric Lithium Tantalate Powder by a Solid-State Combustion Route. <i>Materials and Manufacturing Processes</i> , 2015, 30, 1342-1347.	4.7	6
18	A method to model the transient performance of high frequency vibration in crystal growth. <i>Crystal Research and Technology</i> , 2014, 49, 850-859.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Global heat loss and thermal stress analysis in Czochralski crystal growth. <i>Crystal Research and Technology</i> , 2014, 49, 376-382.	1.3	2