

# Li Xiaokai

## List of Publications by Year in descending order

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28  
papers

598  
citations

567281

15  
h-index

580821

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g-index

28  
all docs

28  
docs citations

28  
times ranked

906  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong coupling between Tamm plasmon polariton and two dimensional semiconductor excitons. Applied Physics Letters, 2017, 110, .	3.3	51
2	Weak lasing in one-dimensional polariton superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1516-9.	7.1	49
3	The effect of La <sub>2</sub> O <sub>3</sub> in Tm <sup>3+</sup> -doped germanate-tellurite glasses for $\sim 2\ \mu\text{m}$ emission. Scientific Reports, 2014, 4, 5256.	3.3	43
4	Ultraviolet lasing behavior in ZnO optical microcavities. Journal of Materiomics, 2017, 3, 255-266.	5.7	43
5	Polariton lasing of quasi-whispering gallery modes in a ZnO microwire. Applied Physics Letters, 2013, 103, .	3.3	36
6	Intense photoluminescence at $27\ \mu\text{m}$ in transparent Er <sup>3+</sup> :CaF <sub>2</sub> -fluorophosphate glass microcomposite. Optics Letters, 2011, 36, 4347.	3.3	35
7	Polariton lasing in a ZnO microwire above $450\ \text{K}$ . Applied Physics Letters, 2014, 104, .	3.3	32
8	Highly Er <sup>3+</sup> doped fluorotellurite glass for $1.5\ \mu\text{m}$ broadband amplification and $2.7\ \mu\text{m}$ microchip laser applications. Journal of Luminescence, 2018, 202, 132-135.	3.1	30
9	Optical absorption and mechanism of vacuum-sintered ZrO <sub>2</sub> -doped Y <sub>2</sub> O <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2016, 36, 4181-4184.	5.7	26
10	Fabrication of transparent La-doped Y <sub>2</sub> O <sub>3</sub> ceramics using different La <sub>2</sub> O <sub>3</sub> precursors. Journal of the European Ceramic Society, 2016, 36, 2549-2553.	5.7	26
11	Effects of deformation rate on properties of Nd,Y-codoped CaF <sub>2</sub> transparent ceramics. Journal of the European Ceramic Society, 2018, 38, 2404-2409.	5.7	22
12	Transparent Nd-doped Ca <sub>1-x</sub> Y <sub>x</sub> F <sub>2+x</sub> ceramics prepared by the ceramization of single crystals. Materials and Design, 2017, 113, 326-330.	7.0	20
13	Efficient improvement of $2.7\ \mu\text{m}$ luminescence of Er <sup>3+</sup> :oxyfluoride glass containing gallium by Yb <sup>3+</sup> ions codoping. Journal of Rare Earths, 2019, 37, 487-491.	4.8	19
14	Er <sup>3+</sup> -doped oxyfluorogallate glass for $2.7\ \mu\text{m}$ solid-state lasers. Journal of Luminescence, 2016, 172, 331-334.	3.1	18
15	Cracks in transparent La-doped yttria ceramics and the formation mechanism. Journal of the European Ceramic Society, 2015, 35, 3137-3143.	5.7	16
16	Europium doped transparent glass ceramics containing CaF <sub>2</sub> micron-sized crystals: structural and optical characterization. RSC Advances, 2016, 6, 55366-55373.	3.6	15
17	Optical and thermal properties of TiO <sub>2</sub> -doped Y <sub>2</sub> O <sub>3</sub> transparent ceramics synthesized by hot isostatic pressing. Journal of the American Ceramic Society, 2019, 102, 2021-2028.	3.8	14
18	Fabrication of Ce-doped (Gd <sub>2</sub> Y)Al <sub>5</sub> O <sub>12</sub> /Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> composite-phase scintillation ceramic. Journal of Rare Earths, 2019, 37, 978-983.	4.8	14

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19	Perfectly transparent pore-free Nd <sup>3+</sup> -doped Sr <sub>9</sub> GdF <sub>21</sub> polycrystalline ceramics elaborated from single-crystal ceramization. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4912-4918.	5.7	13
20	Use of distributed Bragg reflectors to enhance Fabry-Pérot lasing in vertically aligned ZnO nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 23-28.	2.3	12
21	Femtosecond laser-induced damage characteristics of mid-infrared oxyfluorogallate glass. <i>Optics and Laser Technology</i> , 2019, 109, 659-665.	4.6	12
22	Thermodynamic-effect-induced growth, optical modulation and UV lasing of hierarchical ZnO Fabry-Pérot resonators. <i>Journal of Materials Chemistry</i> , 2012, 22, 3069.	6.7	11
23	Polarization-coupled polariton pairs in a birefringent microcavity. <i>Physical Review B</i> , 2015, 91, .	3.2	10
24	Fabrication of Ce:(Gd <sub>2</sub> Y)(Ga <sub>3</sub> Al <sub>2</sub> )O <sub>12</sub> scintillator ceramic by oxygen-atmosphere sintering and hot isostatic pressing. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3411-3415.	5.7	10
25	Heat-driven Tailored for Eliminating Nd <sup>3+</sup> Re-clusters in Nd <sup>3+</sup> , Gd <sup>3+</sup> -codoped SrF <sub>2</sub> Laser Ceramic. <i>Journal of the American Ceramic Society</i> , 2020, 103, 2562-2568.	3.8	7
26	Transparent Nd,Y-Codoped Ca <sub>1-x</sub> Sr <sub>x</sub> F <sub>2</sub> glass-ceramic with large emission bandwidth tailored by a controllable spontaneous precipitation under supersaturated state. <i>Ceramics International</i> , 2019, 45, 24651-24655.	4.8	5
27	Er <sup>3+</sup> -doped CaF <sub>2</sub> polycrystalline ceramic with perfect transparency for mid-infrared laser. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5808-5812.	3.8	5
28	Re-clustering of neodymium ions in neodymium, buffer ion-codoped alkaline-earth fluoride transparent ceramics. <i>CrystEngComm</i> , 2017, 19, 4480-4484.	2.6	4