

# Yang Zhang

## List of Publications by Year in descending order

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18  
papers

1,278  
citations

623699

14  
h-index

794568

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-field-induced Enhancement and Modulation of Upconversion Photoluminescence in Epitaxial BaTiO <sub>3</sub> :Yb/Er Thin Films. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6876-6880.	13.8	312
2	Ferroelectric and Piezoelectric Effects on the Optical Process in Advanced Materials and Devices. <i>Advanced Materials</i> , 2018, 30, e1707007.	21.0	159
3	Effects of site substitutions and concentration on upconversion luminescence of Er <sup>3+</sup> -doped perovskite titanate. <i>Optics Express</i> , 2011, 19, 1824.	3.4	149
4	Metal-ion doped luminescent thin films for optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5607.	5.5	108
5	A Flexible PMN-PT Ribbon-based Piezoelectric-Pyroelectric Hybrid Generator for Human Activity Energy Harvesting and Monitoring. <i>Advanced Electronic Materials</i> , 2017, 3, 1600540.	5.1	75
6	Ultrahigh Gain Solar Blind Avalanche Photodetector Using an Amorphous Ga <sub>2</sub> O <sub>3</sub> -Based Heterojunction. <i>ACS Nano</i> , 2021, 15, 16654-16663.	14.6	73
7	Addressable and Color-tunable Piezophotonic Light-emitting Stripes. <i>Advanced Materials</i> , 2017, 29, 1605165.	21.0	54
8	Ferroelectric Polarization Effects on the Transport Properties of Graphene/PMN-PT Field Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13747-13752.	3.1	53
9	Effect of biaxial strain induced by piezoelectric PMN-PT on the upconversion photoluminescence of BaTiO <sub>3</sub> :Yb/Er thin films. <i>Optics Express</i> , 2014, 22, 29014.	3.4	44
10	Recent Progress in Optical Control of Ferroelectric Polarization. <i>Advanced Optical Materials</i> , 2021, 9, 2002146.	7.3	37
11	Flexible and Rewritable Non-volatile Photomemory Based on Inorganic Lanthanide-doped Photochromic Thin Films. <i>Advanced Optical Materials</i> , 2020, 8, 1902125.	7.3	30
12	Improved response speed of $\lambda^2$ -Ga <sub>2</sub> O <sub>3</sub> solar-blind photodetectors by optimizing illumination and bias. <i>Materials and Design</i> , 2022, 221, 110917.	7.0	28
13	Monolithically Integrated Microelectromechanical Systems for On-Chip Strain Engineering of Quantum Dots. <i>Nano Letters</i> , 2016, 16, 5785-5791.	9.1	26
14	In-situ tailoring upconversion processes from lanthanide ions doped ferroelectric films through piezoelectric strain. <i>Journal of Luminescence</i> , 2020, 219, 116914.	3.1	12
15	Enhanced Upconversion Photoluminescence Assisted by Flexoelectric Field in Oxide Nanomembranes. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	12
16	In Situ Probing of Surface Acoustic Waves by Interfacing with Lanthanide Emitters. <i>Advanced Optical Materials</i> , 2021, 9, 2001760.	7.3	6
17	Mechanically induced enhancement and modulation of upconversion photoluminescence by bending lanthanide-doped perovskite oxides. <i>Optics Letters</i> , 2022, 47, 706.	3.3	5
18	Control of upconversion luminescence by tailoring energy migration in doped perovskite superlattices. <i>Optics Letters</i> , 2022, 47, 1250.	3.3	4