

# Xiang Liu

## List of Publications by Year in descending order

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19  
papers

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citations

1163117

8  
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1058476

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19  
all docs

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docs citations

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times ranked

411  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Cations Enhanced Defect Passivation of Blue Perovskite Quantum Dots Enabling Efficient Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 2001494.	7.3	30
2	A highly sensitive and fast graphene nanoribbon/CsPbBr <sub>3</sub> quantum dot phototransistor with enhanced vertical metal oxide heterostructures. <i>Nanoscale</i> , 2018, 10, 10182-10189.	5.6	28
3	Photo-modulated thin film transistor based on dynamic charge transfer within quantum-dots-InGaZnO interface. <i>Applied Physics Letters</i> , 2014, 104, 113501.	3.3	21
4	Dual-Gate Phototransistor With Perovskite Quantum Dots-PMMA Photosensing Nanocomposite Insulator. <i>IEEE Electron Device Letters</i> , 2017, 38, 1270-1273.	3.9	20
5	Graphene nanomesh photodetector with effective charge tunnelling from quantum dots. <i>Nanoscale</i> , 2015, 7, 4242-4249.	5.6	18
6	High Efficiency Light-Emitting Transistor with Vertical Metal-Oxide Heterostructure. <i>Small</i> , 2018, 14, e1800265.	10.0	17
7	Solution-Processed Solar-Blind Ultraviolet Photodetectors Based on ZnS Quantum Dots. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1384-1387.	2.5	17
8	Infrared Phototransistor Induced by MoS <sub>2</sub> Quantum Dots Encapsulated in Lead Iodide Perovskite. <i>IEEE Electron Device Letters</i> , 2019, 40, 746-749.	3.9	10
9	CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Nanorods Saturable Absorber for Stable Ultra-Fast Laser. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	2.0	10
10	Printable Organic PIN Phototransistor and Its Application for Low Power and Noise Imaging Detection. <i>IEEE Photonics Journal</i> , 2022, 14, 1-5.	2.0	5
11	Co-optimization of Na and K doping for improved room-temperature TCR of La <sub>0.7</sub> (Na <sub>0.3</sub> -K)MnO <sub>3</sub> polycrystalline ceramics. <i>Ceramics International</i> , 2022, 48, 24290-24297.	4.8	5
12	Large area highly ordered monolayer composite microsphere arrays fabrication and tunable surface plasmon linewidth. <i>RSC Advances</i> , 2018, 8, 39735-39741.	3.6	4
13	Narrow-Band QD-Enhanced PIN Metal-Oxide Heterostructure Phototransistor with the Assistance of Printing Processes. <i>Advanced Optical Materials</i> , 2020, 8, 1901472.	7.3	4
14	An Infrared Photoinverter With a GeSe 2-D/PbSe Heterostructure and its Application in Spectroscopy Detectors. <i>IEEE Electron Device Letters</i> , 2022, 43, 1085-1088.	3.9	4
15	Printable Graphene-Insulator-Semiconductor (GIS) Heterostructures for Active Control of Infrared Q-Switched Laser. <i>Advanced Optical Materials</i> , 2021, 9, 2001502.	7.3	3
16	Effective switching of an all-solid-state mode-locked laser by a graphene modulator. <i>Optics Express</i> , 2022, 30, 16530.	3.4	2
17	Passively Q-Switched Nd:YVO <sub>4</sub> Laser Based on Silver-Plated Graphene Saturable Absorber. , 2019, , .		0
18	Fully-Transparent TFT Sensor Array with IGZO/Nanorods Enhancing Structure. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Perovskite Quantum Dots Based Phototransistors. Springer Series in Materials Science, 2020, , 255-278.	0.6	0