

# Bi-Hsuan Lin

## List of Publications by Year in descending order

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24  
papers

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-learning and high-throughput studies for high-entropy materials. <i>Materials Science and Engineering Reports</i> , 2022, 147, 100645.	31.8	44
2	Multiple Scattering from Electrospun Nanofibers with Embedded Silver Nanoparticles of Tunable Shape for Random Lasers and White-Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2783-2792.	8.0	30
3	Capabilities of time-resolved X-ray excited optical luminescence of the Taiwan Photon Source 23A X-ray nanoprobe beamline. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 217-221.	2.4	19
4	Peculiar near-band-edge emission of polarization-dependent XEOL from a non-polar a-plane ZnO wafer. <i>Optics Express</i> , 2018, 26, 2731.	3.4	16
5	Fast Photoresponsive Phototransistor Memory Using Star-Shaped Conjugated Rod-Coil Molecules as a Floating Gate. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15468-15477.	8.0	16
6	Information-tagged Data-acquisition System for On-the-fly Scanning. <i>Microscopy and Microanalysis</i> , 2018, 24, 106-107.	0.4	14
7	Probing the exciton-phonon coupling strengths of O-polar and Zn-polar ZnO wafer using hard X-ray excited optical luminescence. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	13
8	Investigation of Cavity Enhanced XEOL of a Single ZnO Microrod by Using Multifunctional Hard X-ray Nanoprobe. <i>Scientific Reports</i> , 2019, 9, 207.	3.3	12
9	Crystal orientation and insulating ligand of quasi-two dimensional perovskite optimized through silver ion doping for realizing efficient light emitting diodes. <i>Chemical Engineering Journal</i> , 2022, 443, 136496.	12.7	12
10	Hard X-ray nanoprobe and time-resolved XEOL to observe increasing luminescence of ZnO and GaN epitaxial structures. <i>Applied Physics Letters</i> , 2019, 115, 171903.	3.3	7
11	Enhancing the Performance of Quasi-2D Perovskite Light-Emitting Diodes Using Natural Cyclic Molecules with Distinct Phase Regulation Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9587-9596.	8.0	6
12	Visualizing the valence states of europium ions in Eu-doped BaAl <sub>2</sub> O <sub>4</sub> using X-ray nanoprobe mapping. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 456-461.	2.4	5
13	Probing the carrier recombination mechanism of Cr-doped CsPbCl <sub>3</sub> via temperature-dependent PL and TR-PL. <i>Optical Materials</i> , 2021, 122, 111692.	3.6	4
14	Polarization-dependent XEOL: Comparison of peculiar near-band-edge emission of non-polar c-plane GaN and ZnO wafers. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	3
15	Developing the XEOL and TR-XEOL at the X-ray Nanoprobe at Taiwan Photon Source. <i>Microscopy and Microanalysis</i> , 2018, 24, 200-201.	0.4	2
16	The Precise Adjustment of X-ray Montel Mirrors for Diffraction-Limited Focal Spots. <i>Synchrotron Radiation News</i> , 2018, 31, 27-32.	0.8	2
17	In Situ Current-Accelerated Phase Cycling with Metallic and Semiconducting Switching in Copper Nanobelts at Room Temperature. <i>ACS Nano</i> , 2021, 15, 4789-4801.	14.6	2
18	Probing the local emission of CaAlSiN <sub>3</sub> :Eu <sup>2+</sup> via X-ray nanoprobe. <i>AIP Advances</i> , 2021, 11, 055013.	1.3	2

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19	Hard X-ray ptychography at Taiwan Photon Source at 11-Å nm spatial resolution. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1921-1926.	2.4	2
20	Anisotropic optical gains in a-plane ZnO/Zn <sub>0.8</sub> Mg <sub>0.2</sub> O multiple quantum wells grown via pulsed-laser deposition. <i>Applied Surface Science</i> , 2021, 565, 150401.	6.1	2
21	Nanoprobe Endstation with Montel optics and Resolution 50 nm at Taiwan Photon Source. <i>Microscopy and Microanalysis</i> , 2018, 24, 210-211.	0.4	0
22	Exploiting the in-situ Electrical X-ray Microscopy for Semiconductor Nano Devices Analysis by X-ray Nanoprobe Beamline at Taiwan Photon Source. <i>Microscopy and Microanalysis</i> , 2018, 24, 430-431.	0.4	0
23	Observation of anomalous emissions of nonpolar a-plane MgZnO and ZnO epi-films based on XEOL and time-resolved XEOL in hybrid bunch mode. <i>AIP Advances</i> , 2020, 10, 085106.	1.3	0
24	Analyzing random lasing spectra of the zinc oxide bulk and the multiple quantum wells by empirical mode decomposition and fast Fourier transform. <i>Applied Physics Letters</i> , 2021, 119, 131110.	3.3	0