Bi-Hsuan Lin

List of Publications by Year
in descending order

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24 papers	213 citations	1040056 9 h-index	1058476 14 g-index
24 all docs	24 docs citations	24 times ranked	158 citing authors

#	Article	IF	Citations
1	Machine-learning and high-throughput studies for high-entropy materials. Materials Science and Engineering Reports, 2022, 147, 100645.	31.8	44
2	Visualizing the valence states of europium ions in Eu-doped BaAl₂O₄ using X-ray nanoprobe mapping. Journal of Synchrotron Radiation, 2022, 29, 456-461.	2.4	5
3	Enhancing the Performance of Quasi-2D Perovskite Light-Emitting Diodes Using Natural Cyclic Molecules with Distinct Phase Regulation Behaviors. ACS Applied Materials & Interfaces, 2022, 14, 9587-9596.	8.0	6
4	Fast Photoresponsive Phototransistor Memory Using Star-Shaped Conjugated Rodâ€“Coil Molecules as a Floating Gate. ACS Applied Materials & Interfaces, 2022, 14, 15468-15477.	8.0	16
5	Crystal orientation and insulating ligand of quasi-two dimensional perovskite optimized through silver ion doping for realizing efficient light emitting diodes. Chemical Engineering Journal, 2022, 443, 136496.	12.7	12
6	In Situ Current-Accelerated Phase Cycling with Metallic and Semiconducting Switching in Copper Nanobelts at Room Temperature. ACS Nano, 2021, 15, 4789-4801.	14.6	2
7	Probing the local emission of CaAlSiN3:Eu2+ via X-ray nanoprobe. AIP Advances, 2021, 11, 055013.	1.3	2
8	Hard X-ray ptychography at Taiwan Photon Source at 11â€“20â€…nm spatial resolution. Journal of Synchrotron Radiation, 2021, 28, 1921-1926.	2.4	2
9	Analyzing random lasing spectra of the zinc oxide bulk and the multiple quantum wells by empirical mode decomposition and fast Fourier transform. Applied Physics Letters, 2021, 119, 131110.	3.3	0
10	Anisotropic optical gains in a-plane ZnO/Zn0.8Mg0.2O multiple quantum wells grown via pulsed-laser deposition. Applied Surface Science, 2021, 565, 150401.	6.1	2
11	Probing the carrier recombination mechanism of Cr-doped CsPbCl3 via temperature-dependent PL and TR-PL. Optical Materials, 2021, 122, 111692.	3.6	4
12	Multiple Scattering from Electrospun Nanofibers with Embedded Silver Nanoparticles of Tunable Shape for Random Lasers and White-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 2783-2792.	8.0	30
13	Observation of anomalous emissions of nonpolar a-plane MgZnO and ZnO epi-films based on XEOL and time-resolved XEOL in hybrid bunch mode. AIP Advances, 2020, 10, 085106.	1.3	0
14	Capabilities of time-resolved X-ray excited optical luminescence of the Taiwan Photon Source 23A X-ray nanoprobe beamline. Journal of Synchrotron Radiation, 2020, 27, 217-221.	2.4	19
15	Investigation of Cavity Enhanced XEOL of a Single ZnO Microrod by Using Multifunctional Hard X-ray Nanoprobe. Scientific Reports, 2019, 9, 207.	3.3	12
16	Polarization-dependent XEOL: Comparison of peculiar near-band-edge emission of non-polar a-plane GaN and ZnO wafers. Applied Physics Letters, 2019, 114, .	3.3	3
17	Hard X-ray nanoprobe and time-resolved XEOL to observe increasing luminescence of ZnO and GaN epitaxial structures. Applied Physics Letters, 2019, 115, 171903.	3.3	7
18	Nanoprobe Endstation with Montel optics and Resolution 50 nm at Taiwan Photon Source. Microscopy and Microanalysis, 2018, 24, 210-211.	0.4	0

#	Article	IF	Citations
19	Information-tagged Data-acquisition System for On-the-fly Scanning. Microscopy and Microanalysis, 2018, 24, 106-107.	0.4	14
20	Developing the XEOL and TR-XEOL at the X-ray Nanoprobe at Taiwan Photon Source. Microscopy and Microanalysis, 2018, 24, 200-201.	0.4	2
21	Exploiting the in-situ Electrical X-ray Microscopy for Semiconductor Nano Devices Analysis by X-ray Nanoprobe Beamline at Taiwan Photon Source. Microscopy and Microanalysis, 2018, 24, 430-431.	0.4	0
22	The Precise Adjustment of X-ray Montel Mirrors for Diffraction-Limited Focal Spots. Synchrotron Radiation News, 2018, 31, 27-32.	0.8	2
23	Peculiar near-band-edge emission of polarization-dependent XEOL from a non-polar a-plane ZnO wafer. Optics Express, 2018, 26, 2731.	3.4	16
24	Probing the exciton-phonon coupling strengths of O-polar and Zn-polar ZnO wafer using hard X-ray excited optical luminescence. Applied Physics Letters, 2016, 109, .	3.3	13