

Kwangdong Roh

List of Publications by Year in descending order

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15
papers

1,025
citations

759233

12
h-index

1058476

14
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all docs

15
docs citations

15
times ranked

1738
citing authors

#	ARTICLE	IF	CITATIONS
1	A Photonic Crystal Laser from Solution Based Organo-Lead Iodide Perovskite Thin Films. ACS Nano, 2016, 10, 3959-3967.	14.6	238
2	Improved Outcoupling Efficiency and Stability of Perovskite Light-Emitting Diodes using Thin Emitting Layers. Advanced Materials, 2019, 31, e1805836.	21.0	198
3	Hybrid perovskite light emitting diodes under intense electrical excitation. Nature Communications, 2018, 9, 4893.	12.8	146
4	Thermal Management Enables Bright and Stable Perovskite Light-Emitting Diodes. Advanced Materials, 2020, 32, e2000752.	21.0	126
5	Mixed Lead-Tin Halide Perovskites for Efficient and Wavelength-Tunable Near-Infrared Light-Emitting Diodes. Advanced Materials, 2019, 31, e1806105.	21.0	66
6	Optically Pumped Lasing from Hybrid Perovskite Light-Emitting Diodes. Advanced Optical Materials, 2020, 8, 1901297.	7.3	49
7	Surface-emitting red, green, and blue colloidal quantum dot distributed feedback lasers. Optics Express, 2014, 22, 18800.	3.4	42
8	Work function investigations of Al-doped ZnO for band-alignment in electronic and optoelectronic applications. Applied Surface Science, 2019, 484, 990-998.	6.1	37
9	Widely Tunable, Room Temperature, Single-Mode Lasing Operation from Mixed-Halide Perovskite Thin Films. ACS Photonics, 2019, 6, 3331-3337.	6.6	31
10	Organic Hole Transport Material Ionization Potential Dictates Diffusion Kinetics of Iodine Species in Halide Perovskite Devices. ACS Energy Letters, 2021, 6, 501-508.	17.4	28
11	Nanosecond-Pulsed Perovskite Light-Emitting Diodes at High Current Density. Advanced Materials, 2021, 33, e2104867.	21.0	26
12	The role of third cation doping on phase stability, carrier transport and carrier suppression in amorphous oxide semiconductors. Journal of Materials Chemistry C, 2020, 8, 13798-13810.	5.5	18
13	Tuning Laser Threshold within the Large Optical Gain Bandwidth of Halide Perovskite Thin Films. ACS Photonics, 2021, 8, 2548-2554.	6.6	12
14	Electrochemically n-Doped CsPbBr ₃ Nanocrystal Thin Films. ACS Energy Letters, 2022, 7, 211-216.	17.4	8
15	Stimulated emission in red, green, and blue from colloidal quantum dot films by single exciton optical gain. , 2012, , .		0