

Sung-Joon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,417
citations

516710

16
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

5310
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching the Schottky-Mott limit in van der Waals metal-semiconductor junctions. <i>Nature</i> , 2018, 557, 696-700.	27.8	1,279
2	2D perovskite stabilized phase-pure formamidinium perovskite solar cells. <i>Nature Communications</i> , 2018, 9, 3021.	12.8	575
3	Perovskite-polymer composite cross-linker approach for highly-stable and efficient perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 520.	12.8	405
4	Detrimental Effect of Unreacted PbI_2 on the Long-Term Stability of Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1905035.	21.0	256
5	Molecular Interaction Regulates the Performance and Longevity of Defect Passivation for Metal Halide Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 20071-20079.	13.7	145
6	Steric Impediment of Ion Migration Contributes to Improved Operational Stability of Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1906995.	21.0	142
7	Few-Layer GeAs Field-Effect Transistors and Infrared Photodetectors. <i>Advanced Materials</i> , 2018, 30, e1705934.	21.0	100
8	Hysteresis-less and stable perovskite solar cells with a self-assembled monolayer. <i>Communications Materials</i> , 2020, 1, .	6.9	91
9	Solid-phase hetero epitaxial growth of δ -phase formamidinium perovskite. <i>Nature Communications</i> , 2020, 11, 5514.	12.8	71
10	Quantum interference mediated vertical molecular tunneling transistors. <i>Science Advances</i> , 2018, 4, eaat8237.	10.3	64
11	Programmable devices based on reversible solid-state doping of two-dimensional semiconductors with superionic silver iodide. <i>Nature Electronics</i> , 2020, 3, 630-637.	26.0	61
12	Surface-2D/Bulk-3D Heterophased Perovskite Nanograins for Long-Term Stable Light-Emitting Diodes. <i>Advanced Materials</i> , 2020, 32, e1905674.	21.0	59
13	Approaching the intrinsic exciton physics limit in two-dimensional semiconductor diodes. <i>Nature</i> , 2021, 599, 404-410.	27.8	57
14	Experimental Sabatier plot for predictive design of active and stable Pt-alloy oxygen reduction reaction catalysts. <i>Nature Catalysis</i> , 2022, 5, 513-523.	34.4	57
15	Large-Area Synthesis and Patterning of All-Inorganic Lead Halide Perovskite Thin Films and Heterostructures. <i>Nano Letters</i> , 2021, 21, 1454-1460.	9.1	27
16	Doping on demand in 2D devices. <i>Nature Electronics</i> , 2020, 3, 77-78.	26.0	18
17	Analysis of microstructure and corrosion behavior of laser surface alloyed zircaloy-4 with niobium. <i>Metals and Materials International</i> , 2000, 6, 145-149.	0.2	3
18	Perovskite Light-Emitting Diodes: Surface-2D/Bulk-3D Heterophased Perovskite Nanograins for Long-Term Stable Light-Emitting Diodes (Adv. Mater. 1/2020). <i>Advanced Materials</i> , 2020, 32, 2070007.	21.0	3