

Noor Titan Putri Hartono

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,758
citations

759233

12
h-index

888059

17
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21
all docs

21
docs citations

21
times ranked

3014
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring capping-layer composition for improved stability of mixed-halide perovskites. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2957-2965.	10.3	5
2	Understanding the interplay between the crystal structure and charge transport in alloyed lead-free perovskites. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5454-5460.	4.9	1
3	Enhanced charge carrier lifetime and mobility as a result of Rb and Cs incorporation in hybrid perovskite. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	12
4	A data fusion approach to optimize compositional stability of halide perovskites. <i>Matter</i> , 2021, 4, 1305-1322.	10.0	75
5	Discovery of temperature-induced stability reversal in perovskites using high-throughput robotic learning. <i>Nature Communications</i> , 2021, 12, 2191.	12.8	77
6	Using automated serendipity to discover how trace water promotes and inhibits lead halide perovskite crystal formation. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	12
7	Predicting Antimicrobial Activity of Conjugated Oligoelectrolyte Molecules via Machine Learning. <i>Journal of the American Chemical Society</i> , 2021, 143, 18917-18931.	13.7	17
8	How machine learning can help select capping layers to suppress perovskite degradation. <i>Nature Communications</i> , 2020, 11, 4172.	12.8	75
9	The effect of structural dimensionality on carrier mobility in lead-halide perovskites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23949-23957.	10.3	38
10	Accelerated Development of Perovskite-Inspired Materials via High-Throughput Synthesis and Machine-Learning Diagnosis. <i>Joule</i> , 2019, 3, 1437-1451.	24.0	187
11	An interface stabilized perovskite solar cell with high stabilized efficiency and low voltage loss. <i>Energy and Environmental Science</i> , 2019, 12, 2192-2199.	30.8	542
12	Fast and interpretable classification of small X-ray diffraction datasets using data augmentation and deep neural networks. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	177
13	Halide Heterogeneity Affects Local Charge Carrier Dynamics in Mixed-Ion Lead Perovskite Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 3712-3721.	6.7	27
14	Enhanced visible light absorption for lead-free double perovskite Cs ₂ AgSbBr ₆ . <i>Chemical Communications</i> , 2019, 55, 3721-3724.	4.1	117
15	Homogenized halides and alkali cation segregation in alloyed organic-inorganic perovskites. <i>Science</i> , 2019, 363, 627-631.	12.6	258
16	The Effect of Tert-butylammonium Addition in Methylammonium Lead Iodide Perovskite Solar Cells. , 2019, , .		0
17	Investigating the influence of halide distribution on charge carrier dynamics in mixed-ion perovskite films. , 2019, , .		0
18	A ₃ -Site Cation in Inorganic A ₃ Sb ₂ I ₉ Perovskite Influences Structural Dimensionality, Exciton Binding Energy, and Solar Cell Performance. <i>Chemistry of Materials</i> , 2018, 30, 3734-3742.	6.7	134