

# Noor Titan Putri Hartono

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2752983/publications.pdf>

Version: 2024-02-01

18  
papers

1,758  
citations

759233

12  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3014  
citing authors

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