Edirisuriya M D Siriwardane

List of Publications by Year
in descending order

15	225	1039406 9	1058022 14
papers	citations	h-index	g-index

21	21	21	196
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computational Discovery of New 2D Materials Using Deep Learning Generative Models. ACS Applied Materials & Interfaces, 2021, 13, 53303-53313.	4.0	36
2	Strainâ€“Spintronics: Modulating Electronic and Magnetic Properties of Hf₂MnC₂O₂ MXene by Uniaxial Strain. Journal of Physical Chemistry C, 2019, 123, 12451-12459.	1.5	35
3	MaterialsAtlas.org: a materials informatics web app platform for materials discovery and survey of state-of-the-art. Npj Computational Materials, 2022, 8, .	3.5	25
4	Strain engineering of electronic and magnetic properties of double-transition metal ferromagnetic semiconductor MXenes. Journal of Applied Physics, 2019, 125, .	1.1	22
5	Assessment of Sulfur-Functionalized MXenes for Li-Ion Battery Applications. Journal of Physical Chemistry C, 2020, 124, 21293-21304.	1.5	22
6	Revealing the Formation Energyâ€“Exfoliation Energyâ€“Structure Correlation of MAB Phases Using Machine Learning and DFT. ACS Applied Materials & Interfaces, 2020, 12, 29424-29431.	4.0	15
7	First-Principles Investigation of Ti₂CSO and Ti₂CSSe Janus MXene Structures for Li and Mg Electrodes. Journal of Physical Chemistry C, 2021, 125, 12469-12477.	1.5	15
8	Accurate Prediction of Voltage of Battery Electrode Materials Using Attention-Based Graph Neural Networks. ACS Applied Materials & Interfaces, 2022, 14, 26587-26594.	4.0	13
9	Active-Learning-Based Generative Design for the Discovery of Wide-Band-Gap Materials. Journal of Physical Chemistry C, 2021, 125, 16118-16128.	1.5	12
10	TCSP: a Template-Based Crystal Structure Prediction Algorithm for Materials Discovery. Inorganic Chemistry, 2022, 61, 8431-8439.	1.9	10
11	Contact map based crystal structure prediction using global optimization. CrystEngComm, 2021, 23, 1765-1776.	1.3	9
12	Enhanced Electrochemical Storage Properties of Na- and Mg-Intercalated B-Doped-Graphene Based Heterostructures and Bilayers. Journal of Physical Chemistry C, 2020, 124, 1260-1268.	1.5	4
13	Distance Matrix-Based Crystal Structure Prediction Using Evolutionary Algorithms. Journal of Physical Chemistry A, 2020, 124, 10909-10919.	1.1	3
14	Engineering magnetic anisotropy and exchange couplings in double transition metal MXenes via surface defects. Journal of Physics Condensed Matter, 2021, 33, 035801.	0.7	2
15	Crystal Structure Prediction Using an Age-Fitness Multiobjective Genetic Algorithm and Coordination Number Constraints. Journal of Physical Chemistry A, 2022, 126, 640-647.	1.1	0