

Shin Kiyohara

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

332
citations

933447

10
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of interface structures and energies via virtual screening. <i>Science Advances</i> , 2016, 2, e1600746.	10.3	73
2	Acceleration of stable interface structure searching using a kriging approach. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 045502.	1.5	65
3	Data-driven approach for the prediction and interpretation of core-electron loss spectroscopy. <i>Scientific Reports</i> , 2018, 8, 13548.	3.3	42
4	Bayesian optimization for efficient determination of metal oxide grain boundary structures. <i>Physica B: Condensed Matter</i> , 2018, 532, 24-28.	2.7	38
5	Transfer Learning to Accelerate Interface Structure Searches. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 123601.	1.6	25
6	Machine learning approaches for ELNES/XANES. <i>Microscopy (Oxford, England)</i> , 2020, 69, 92-109.	1.5	22
7	Quantitative estimation of properties from core-loss spectrum via neural network. <i>JPhys Materials</i> , 2019, 2, 024003.	4.2	21
8	Machine learning for structure determination and investigating the structure-property relationships of interfaces. <i>JPhys Materials</i> , 2019, 2, 034005.	4.2	17
9	Learning excited states from ground states by using an artificial neural network. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	15
10	Radial Distribution Function from X-ray Absorption near Edge Structure with an Artificial Neural Network. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 103001.	1.6	11
11	Prediction of ELNES and Quantification of Structural Properties Using Artificial Neural Network. <i>Microscopy and Microanalysis</i> , 2020, 26, 2100-2101.	0.4	1
12	Quantification of the Properties of Organic Molecules Using Core-loss Spectra as Neural Network Descriptors. <i>Advanced Intelligent Systems</i> , 0, , 2100103.	6.1	1
13	Automatic determination of the spectrum-structure relationship by tree structure-based unsupervised and supervised learning. <i>Ultramicroscopy</i> , 2022, 233, 113438.	1.9	1
14	Interface Informatics: Structure Determination and Structure-property Relationship. <i>Materia Japan</i> , 2020, 59, 134-138.	0.1	0
15	Quantitative Prediction of Properties of Organic Molecules from ELNES via Artificial Neural Network. <i>Microscopy and Microanalysis</i> , 2020, 26, 706-708.	0.4	0