

Sarah Akers

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

180
citations

1307594

7
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a graphical user interface for few-shot machine learning classification of electron microscopy data. <i>Computational Materials Science</i> , 2022, 203, 111121.	3.0	12
2	Integration of Infant Metabolite, Genetic, and Islet Autoimmunity Signatures to Predict Type 1 Diabetes by Age 6 Years. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 2329-2338.	3.6	10
3	An Automated Scanning Transmission Electron Microscope Guided by Sparse Data Analytics. <i>Microscopy and Microanalysis</i> , 2022, 28, 1611-1621.	0.4	15
4	Prediction of the development of islet autoantibodies through integration of environmental, genetic, and metabolic markers. <i>Journal of Diabetes</i> , 2021, 13, 143-153.	1.8	25
5	The role of Nanocartography in the Development of Automated TEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 2986-2987.	0.4	9
6	Rapid and Flexible Few Shot Learning-Based Classification of Scanning Transmission Electron Microscopy Data. <i>Microscopy and Microanalysis</i> , 2021, 27, 1618-1619.	0.4	0
7	Rapid and flexible segmentation of electron microscopy data using few-shot machine learning. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	37
8	Event detection for undersampled electron microscopy experiments: A control chart case study. <i>Quality Engineering</i> , 2020, 32, 244-254.	1.1	2
9	Extending Classification Algorithms to Case-Control Studies. <i>Biomedical Engineering and Computational Biology</i> , 2019, 10, 117959721985895.	2.0	12
10	Lipid Mini-On: mining and ontology tool for enrichment analysis of lipidomic data. <i>Bioinformatics</i> , 2019, 35, 4507-4508.	4.1	38
11	Quantitative Mapping of Nanoscale Chemical Dynamics in Sub-sampled Operando (S)TEM Images using Spatio-temporal Analytics. <i>ChemCatChem</i> , 2018, 10, 3115-3120.	3.7	1
12	Characterizing the Relative Importance Assigned to Physical Variables by Climate Scientists when Assessing Atmospheric Climate Model Fidelity. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1101-1113.	4.3	6
13	Implementing Sparse Sub-Sampling Methods for Low-Dose/High Speed STEM. <i>Microscopy and Microanalysis</i> , 2018, 24, 1952-1953.	0.4	2
14	Bayesian Model Averaging for Ensemble-Based Estimates of Solvation-Free Energies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3458-3472.	2.6	8
15	Reliable Event Detection for Incomplete and Streaming (S)TEM Images. <i>Microscopy and Microanalysis</i> , 2017, 23, 158-159.	0.4	0
16	Implementing Sub-sampling Methods for Low-Dose (Scanning) Transmission Electron Microscopy (S/TEM). <i>Microscopy and Microanalysis</i> , 2017, 23, 82-83.	0.4	2
17	Quantifying Feature Uncertainty in Sub-sampled Low-dose (S)TEM Images. <i>Microscopy and Microanalysis</i> , 2017, 23, 160-161.	0.4	0
18	Controlling the Reaction Process in Operando STEM by Pixel Sub-Sampling. <i>Microscopy and Microanalysis</i> , 2017, 23, 98-99.	0.4	1