

# Noah H Paulson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4094860/publications.pdf>

Version: 2024-02-01

16  
papers

434  
citations

933447

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h-index

940533

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g-index

16  
all docs

16  
docs citations

16  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature engineering for machine learning enabled early prediction of battery lifetime. Journal of Power Sources, 2022, 527, 231127.	7.8	43
2	Thermodynamics of monoclinic and tetragonal hafnium dioxide (HfO <sub>2</sub> ) at ambient pressure. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 72, 102210.	1.6	14
3	An efficient approximation of the supercell approach to the calculation of the full phonon spectrum. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 72, 102215.	1.6	1
4	Uncertainty Quantification in Atomistic Modeling of Metals and Its Effect on Mesoscale and Continuum Modeling: A Review. Jom, 2021, 73, 149-163.	1.9	7
5	Flame stability analysis of flame spray pyrolysis by artificial intelligence. International Journal of Advanced Manufacturing Technology, 2021, 114, 2215-2228.	3.0	10
6	Intelligent Agents for the Optimization of Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2021, 13, 17022-17033.	8.0	6
7	Bayesian automated weighting of aggregated DFT, MD, and experimental data for candidate thermodynamic models of aluminum with uncertainty quantification. Materialia, 2021, 20, 101216.	2.7	4
8	Insights from Computational Studies on the Anisotropic Volume Change of Li <sub>x</sub> NiO <sub>2</sub> at High States of Charge ( $x < 0.25$ ). Journal of Physical Chemistry C, 2021, 125, 27130-27139.	3.1	3
9	Flame spray pyrolysis optimization via statistics and machine learning. Materials and Design, 2020, 196, 108972.	7.0	19
10	Comparison of statistically-based methods for automated weighting of experimental data in CALPHAD-type assessment. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 68, 101728.	1.6	14
11	Bayesian strategies for uncertainty quantification of the thermodynamic properties of materials. International Journal of Engineering Science, 2019, 142, 74-93.	5.0	31
12	Quantified uncertainty in thermodynamic modeling for materials design. Acta Materialia, 2019, 174, 9-15.	7.9	40
13	Reduced-order microstructure-sensitive protocols to rank-order the transition fatigue resistance of polycrystalline microstructures. International Journal of Fatigue, 2019, 119, 1-10.	5.7	33
14	Data-driven reduced-order models for rank-ordering the high cycle fatigue performance of polycrystalline microstructures. Materials and Design, 2018, 154, 170-183.	7.0	49
15	Reduced-order structure-property linkages for polycrystalline microstructures based on 2-point statistics. Acta Materialia, 2017, 129, 428-438.	7.9	123
16	Strategies for rapid parametric assessment of microstructure-sensitive fatigue for HCP polycrystals. International Journal of Fatigue, 2017, 104, 231-242.	5.7	37