

Wesley F Reinhart

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="double-struck"} \rangle T \langle \text{mml:math} \rangle$ -operator limits on optical communication: Metaoptics, computation, and input-output transformations. <i>Physical Review Research</i> , 2022, 4, .	3.6	7
2	Predicting aggregate morphology of sequence-defined macromolecules with recurrent neural networks. <i>Soft Matter</i> , 2022, 18, 5037-5051.	2.7	18
3	Unsupervised learning of sequence-specific aggregation behavior for a model copolymer. <i>Soft Matter</i> , 2021, 17, 7697-7707.	2.7	29
4	Smart cities built with smart materials. <i>Science</i> , 2021, 371, 1200-1201.	12.6	18
5	Crack Detection in Images of Masonry Using CNNs. <i>Sensors</i> , 2021, 21, 4929.	3.8	19
6	Unsupervised learning of atomic environments from simple features. <i>Computational Materials Science</i> , 2021, 196, 110511.	3.0	12
7	Opportunities and Challenges for Inverse Design of Nanostructures with Sequence Defined Macromolecules. <i>Accounts of Materials Research</i> , 2021, 2, 697-700.	11.7	4
8	Directed assembly of photonic crystals through simple substrate patterning. <i>Journal of Chemical Physics</i> , 2019, 150, 014503.	3.0	5
9	Crystal growth kinetics of triblock Janus colloids. <i>Journal of Chemical Physics</i> , 2018, 148, 124506.	3.0	16
10	Evaporation-induced assembly of colloidal crystals. <i>Journal of Chemical Physics</i> , 2018, 149, 094901.	3.0	26
11	Automated crystal characterization with a fast neighborhood graph analysis method. <i>Soft Matter</i> , 2018, 14, 6083-6089.	2.7	30
12	Machine learning for autonomous crystal structure identification. <i>Soft Matter</i> , 2017, 13, 4733-4745.	2.7	86
13	Multi-atom pattern analysis for binary superlattices. <i>Soft Matter</i> , 2017, 13, 6803-6809.	2.7	13
14	Equilibrium crystal phases of triblock Janus colloids. <i>Journal of Chemical Physics</i> , 2016, 145, 094505.	3.0	31
15	Emissions of C_6 and C_8 aromatic compounds in the United States: Constraints from tall tower and aircraft measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 826-842.	3.3	44
16	The Odijk Regime in Slits. <i>Macromolecules</i> , 2014, 47, 3672-3684.	4.8	39
17	Generative deep learning as a tool for inverse design of high entropy refractory alloys. , 0, , .		6