Riley J Hickman

List of Publications by Year
in descending order

11 papers	379 citations	1163117 8 h-index	1281871 11 g-index
14 all docs	14 docs citations	14 times ranked	502 citing authors

#	Article	IF	Citations
1	Data-Driven Strategies for Accelerated Materials Design. Accounts of Chemical Research, 2021, 54, 849-860.	15.6	168
2	G<scp>ryffin</scp>: An algorithm for Bayesian optimization of categorical variables informed by expert knowledge. Applied Physics Reviews, 2021, 8, .	11.3	61
3	Assigning confidence to molecular property prediction. Expert Opinion on Drug Discovery, 2021, 16, 1009-1023.	5.0	34
4	Olympus: a benchmarking framework for noisy optimization and experiment planning. Machine Learning: Science and Technology, 2021, 2, 035021.	5.0	31
5	General Formalism of Vibronic Hamiltonians for Tetrahedral and Octahedral Systems: Problems That Involve T, E States and t, e Vibrations. Journal of Chemical Theory and Computation, 2017, 13, 5004-5018.	5.3	18
6	Optical monitoring of polymerizations in droplets with high temporal dynamic range. Chemical Science, 2020, 11, 2647-2656.	7.4	18
7	General formalism for vibronic Hamiltonians in tetragonal symmetry and beyond. Physical Chemistry Chemical Physics, 2018, 20, 12312-12322.	2.8	13
8	Golem: an algorithm for robust experiment and process optimization. Chemical Science, 2021, 12, 14792-14807.	7.4	12
9	Routescore: Punching the Ticket to More Efficient Materials Development. ACS Central Science, 2022, 8, 122-131.	11.3	8
10	A molecular computing approach to solving optimization problems via programmable microdroplet arrays. Matter, 2021, 4, 1107-1124.	10.0	7
11	VHEGEN: A vibronic Hamiltonian expansion generator for trigonal and tetragonal polyatomic systems. Computer Physics Communications, 2020, 247, 106946.	7.5	6