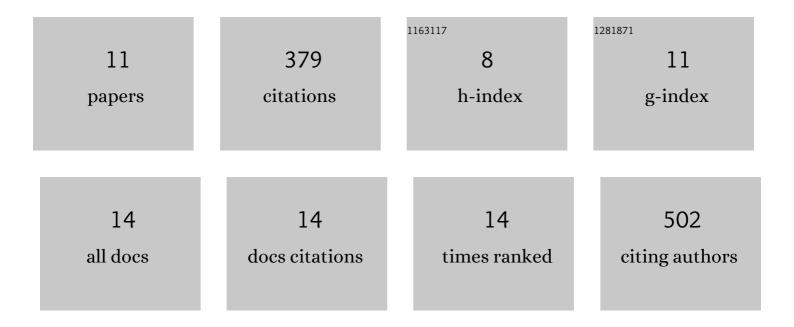
## Riley J Hickman

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5153894/publications.pdf Version: 2024-02-01



RILEV | HICKMAN

| #  | 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<br>Learning: Science and Technology, 2021, 2, 035021.   | 5.0  | 31        |
| 5  | General Formalism of Vibronic Hamiltonians for Tetrahedral and Octahedral Systems: Problems That<br>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.  | 7.5  | 6         |