

# Sebastian Huber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/404808/publications.pdf>

Version: 2024-02-01

12  
papers

495  
citations

1039406

9  
h-index

1199166

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials Cloud, a platform for open computational science. <i>Scientific Data</i> , 2020, 7, 299.	2.4	189
2	AiiDA 1.0, a scalable computational infrastructure for automated reproducible workflows and data provenance. <i>Scientific Data</i> , 2020, 7, 300.	2.4	142
3	Workflows in AiiDA: Engineering a high-throughput, event-based engine for robust and modular computational workflows. <i>Computational Materials Science</i> , 2021, 187, 110086.	1.4	63
4	Oxygen-stabilized triangular defects in hexagonal boron nitride. <i>Physical Review B</i> , 2015, 92, .	1.1	24
5	Workflow Engineering in Materials Design within the BATTERY 2030+ Project. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	18
6	Virtual Computational Chemistry Teaching Laboratoriesâ€”Hands-On at a Distance. <i>Journal of Chemical Education</i> , 2021, 98, 3163-3171.	1.1	15
7	Exploiting the P L <sub>2,3</sub> absorption edge for optics: spectroscopic and structural characterization of cubic boron phosphide thin films. <i>Optical Materials Express</i> , 2016, 6, 3946.	1.6	10
8	Common workflows for computing material properties using different quantum engines. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	10
9	Self-healing in B <sub>12</sub> P <sub>2</sub> through Mediated Defect Recombination. <i>Chemistry of Materials</i> , 2016, 28, 8415-8428.	3.2	9
10	Determining crystal phase purity in c-BP through X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8174-8187.	1.3	7
11	Detection of defect populations in superhard semiconductor boron subphosphide B <sub>12</sub> P <sub>2</sub> through X-ray absorption spectroscopy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5737-5749.	5.2	7
12	kiwiPy: Robust, high-volume, messaging for big-data and computational science workflows. <i>Journal of Open Source Software</i> , 2020, 5, 2351.	2.0	1