

Christopher I Bayly

List of Publications by Year in descending order

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8
papers

22,934
citations

1162367

8
h-index

1588620

8
g-index

11
all docs

11
docs citations

11
times ranked

21097
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Benchmarking of Open Force Field v1.0.0—the Parsley Small-Molecule Force Field. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 6262-6280.	2.3	80
2	Non-bonded force field model with advanced restrained electrostatic potential charges (RESP2). <i>Communications Chemistry</i> , 2020, 3, .	2.0	98
3	Toward Learned Chemical Perception of Force Field Typing Rules. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 402-423.	2.3	30
4	Escaping Atom Types in Force Fields Using Direct Chemical Perception. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6076-6092.	2.3	110
5	Fast, efficient generation of high-quality atomic charges. AM1-BCC model: II. Parameterization and validation. <i>Journal of Computational Chemistry</i> , 2002, 23, 1623-1641.	1.5	2,641
6	Fast, efficient generation of high-quality atomic charges. AM1-BCC model: I. Method. <i>Journal of Computational Chemistry</i> , 2000, 21, 132-146.	1.5	1,393
7	A Second Generation Force Field for the Simulation of Proteins, Nucleic Acids, and Organic Molecules. <i>Journal of the American Chemical Society</i> , 1995, 117, 5179-5197.	6.6	12,116
8	A well-behaved electrostatic potential based method using charge restraints for deriving atomic charges: the RESP model. <i>The Journal of Physical Chemistry</i> , 1993, 97, 10269-10280.	2.9	6,453