Brian Van Koten

List of Publications by Year
in descending order

10 papers	**138** citations	1307594 **7** h-index	1372567 **10** g-index
10 all docs	**10** docs citations	**10** times ranked	**90** citing authors

#	Article	IF	Citations
1	Analysis of Energy-Based Blended Quasi-Continuum Approximations. SIAM Journal on Numerical Analysis, 2011, 49, 2182-2209.	2.3	38
2	Eigenvector method for umbrella sampling enables error analysis. Journal of Chemical Physics, 2016, 145, 084115.	3.0	25
3	Trajectory Stratification of Stochastic Dynamics. SIAM Review, 2018, 60, 909-938.	9.5	19
4	Analysis of blended atomistic/continuum hybrid methods. Numerische Mathematik, 2016, 134, 275-326.	1.9	15
5	Sharp Entrywise Perturbation Bounds for Markov Chains. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 917-941.	1.4	11
6	Stratification as a General Variance Reduction Method for Markov Chain Monte Carlo. SIAM-ASA Journal on Uncertainty Quantification, 2020, 8, 1139-1188.	2.0	11
7	A Computational and Theoretical Investigation of the Accuracy of Quasicontinuum Methods. Lecture Notes in Computational Science and Engineering, 2012, , 67-96.	0.3	7
8	Symmetries of 2-Lattices and Second Order Accuracy of the Cauchy--Born Model. Multiscale Modeling and Simulation, 2013, 11, 615-634.	1.6	6
9	Stability and Convergence of the String Method for Computing Minimum Energy Paths. Multiscale Modeling and Simulation, 2019, 17, 873-898.	1.6	4
10	Force-based atomistic/continuum blending for multilattices. Numerische Mathematik, 2018, 140, 703-754.	1.9	2