

Michael Kuron

List of Publications by Year in descending order

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386
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#	ARTICLE	IF	CITATIONS
1	A thermalized electrokinetics model including stochastic reactions suitable for multiscale simulations of reaction-advection-diffusion systems. <i>Journal of Computational Science</i> , 2022, 63, 101770.	1.5	4
2	waLBerla: A block-structured high-performance framework for multiphysics simulations. <i>Computers and Mathematics With Applications</i> , 2021, 81, 478-501.	1.4	47
3	An extensible lattice Boltzmann method for viscoelastic flows: complex and moving boundaries in Oldroyd-B fluids. <i>European Physical Journal E</i> , 2021, 44, 1.	0.7	23
4	Hydrodynamic mobility reversal of squirmers near flat and curved surfaces. <i>Soft Matter</i> , 2019, 15, 5908-5920.	1.2	22
5	A lattice Boltzmann model for squirmers. <i>Journal of Chemical Physics</i> , 2019, 150, 144110.	1.2	24
6	ESPResSo 4.0 – an extensible software package for simulating soft matter systems. <i>European Physical Journal: Special Topics</i> , 2019, 227, 1789-1816.	1.2	127
7	Toward Understanding of Self-Electrophoretic Propulsion under Realistic Conditions: From Bulk Reactions to Confinement Effects. <i>Accounts of Chemical Research</i> , 2018, 51, 2998-3005.	7.6	19
8	Moving charged particles in lattice Boltzmann-based electrokinetics. <i>Journal of Chemical Physics</i> , 2016, 145, 214102.	1.2	23
9	Role of geometrical shape in like-charge attraction of DNA. <i>European Physical Journal E</i> , 2015, 38, 20.	0.7	13