Marco Berghoff

List of Publications by Year
in descending order

14	220	1162367 8	1281420 11
papers	citations	h-index	g-index

16	16	16	209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calibration of a multi-phase field model with quantitative angle measurement. Journal of Materials Science, 2016, 51, 1788-1797.	1.7	52
2	A phase-field study of large-scale dendrite fragmentation in Alâ€“Cu. Journal of Crystal Growth, 2012, 359, 107-121.	0.7	27
3	Prediction of heat conduction in open-cell foams via the diffuse interface representation of the phase-field method. International Journal of Heat and Mass Transfer, 2015, 84, 800-808.	2.5	26
4	Phase-Field Simulations at the Atomic Scale in Comparison to Molecular Dynamics. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	23
5	Massively parallel phase-field simulations for ternary eutectic directional solidification. , 2015, , .		19
6	Compound Droplets on Fibers. Langmuir, 2015, 31, 7799-7805.	1.6	19
7	Phase field crystal modeling of ternary solidification microstructures. Computational Condensed Matter, 2015, 4, 46-58.	0.9	17
8	Massively Parallel Stencil Code Solver with Autonomous Adaptive Block Distribution. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2282-2296.	4.0	9
9	Cells in Silico â€“ introducing a high-performance framework for large-scale tissue modeling. BMC Bioinformatics, 2020, 21, 436.	1.2	9
10	Scale-bridging phase-field simulations of microstructure responses on nucleation in metals and colloids. European Physical Journal: Special Topics, 2014, 223, 409-419.	1.2	6
11	Non-collective Scalable Global Network Based on Local Communications. , 2018, , .		5
12	Efficient techniques for bridging from atomic to mesoscopic scale in phase-field simulations. Journal of Computational Methods in Sciences and Engineering, 2013, 13, 441-454.	0.1	3
13	Massively Parallel Stencil Strategies for Radiation Transport Moment Model Simulations. Lecture Notes in Computer Science, 2020, , 242-256.	1.0	2
14	Application of Large-Scale Phase-Field Simulations in the Context of High-Performance Computing. , 2016, , 659-674.		0