

# Christoph Rettinger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2684466/publications.pdf>

Version: 2024-02-01

9  
papers

182  
citations

1478505  
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1474206  
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g-index

10  
all docs

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docs citations

10  
times ranked

141  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of fluid-particle coupling methods for fully resolved lattice Boltzmann simulations. <i>Computers and Fluids</i> , 2017, 154, 74-89.	2.5	50
2	waLBerla: A block-structured high-performance framework for multiphysics simulations. <i>Computers and Mathematics With Applications</i> , 2021, 81, 478-501.	2.7	47
3	A coupled lattice Boltzmann method and discrete element method for discrete particle simulations of particulate flows. <i>Computers and Fluids</i> , 2018, 172, 706-719.	2.5	35
4	An efficient four-way coupled lattice Boltzmann “ discrete element method for fully resolved simulations of particle-laden flows. <i>Journal of Computational Physics</i> , 2022, 453, 110942.	3.8	19
5	Fully Resolved Simulations of Dune Formation in Riverbeds. <i>Lecture Notes in Computer Science</i> , 2017, , 3-21.	1.3	13
6	Dynamic Load Balancing Techniques for Particulate Flow Simulations. <i>Computation</i> , 2019, 7, 9.	2.0	8
7	Rheology of mobile sediment beds in laminar shear flow: effects of creep and polydispersity. <i>Journal of Fluid Mechanics</i> , 2022, 932, .	3.4	5
8	Coupling fully resolved light particles with the lattice Boltzmann method on adaptively refined grids. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 3280.	1.6	3
9	Simulations of Particle-laden Flows with the Lattice Boltzmann Method. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2016, 16, 607-608.	0.2	2