

Patrick van Meurs

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

64
citations

1937685

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1588992

8
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all docs

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docs citations

14
times ranked

25
citing authors

#	ARTICLE	IF	CITATIONS
1	Upscaling of dislocation walls in finite domains. <i>European Journal of Applied Mathematics</i> , 2014, 25, 749-781.	2.9	16
2	Boundary-layer analysis of a pile-up of walls of edge dislocations at a lock. <i>Mathematical Models and Methods in Applied Sciences</i> , 2016, 26, 2735-2768.	3.3	11
3	Convergence and Non-convergence of Many-Particle Evolutions with Multiple Signs. <i>Archive for Rational Mechanics and Analysis</i> , 2020, 235, 3-49.	2.4	8
4	Many-particle limits and non-convergence of dislocation wall pile-ups. <i>Nonlinearity</i> , 2018, 31, 165-225.	1.4	6
5	Regularity of the minimiser of one-dimensional interaction energies. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020, 26, 27.	1.3	5
6	Asymptotic Analysis of Boundary Layers in a Repulsive Particle System. <i>Acta Applicandae Mathematicae</i> , 2018, 153, 1-54.	1.0	4
7	Atomistic origins of continuum dislocation dynamics. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020, 30, 2557-2618.	3.3	4
8	Dynamics of screw dislocations: A generalised minimising-movements scheme approach. <i>European Journal of Applied Mathematics</i> , 2017, 28, 636-655.	2.9	3
9	Quantitative Estimate of the Continuum Approximations of Interacting Particle Systems in One Dimension. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 681-709.	1.9	3
10	Expansions for the linear-elastic contribution to the self-interaction force of dislocation curves. <i>European Journal of Applied Mathematics</i> , 2022, 33, 1032-1061.	2.9	2
11	Particle Dynamics Subject to Impenetrable Boundaries: Existence and Uniqueness of Mild Solutions. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 5049-5076.	1.9	1
12	Boundary-Layer Analysis of Repelling Particles Pushed to an Impenetrable Barrier. <i>SIAM Journal on Mathematical Analysis</i> , 2022, 54, 1742-1774.	1.9	1
13	Particle Dynamics with Elastic Collision at the Boundary: Existence and Partial Uniqueness of Solutions. <i>Acta Applicandae Mathematicae</i> , 2021, 174, 1.	1.0	0
14	The continuum limit of interacting dislocations on multiple slip systems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020, 26, 102.	1.3	0