

Xavier Blanc

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

242
citations

1163117

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1058476

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15
all docs

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docs citations

15
times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a prototypical multiscale method coupling atomistic and continuum mechanics. ESAIM: Mathematical Modelling and Numerical Analysis, 2005, 39, 797-826.	1.9	50
2	Atomistic to Continuum limits for computational materials science. ESAIM: Mathematical Modelling and Numerical Analysis, 2007, 41, 391-426.	1.9	47
3	The Energy of Some Microscopic Stochastic Lattices. Archive for Rational Mechanics and Analysis, 2007, 184, 303-339.	2.4	36
4	A positive scheme for diffusion problems on deformed meshes. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2016, 96, 660-680.	1.6	28
5	Convergence de modèles moléculaires vers des modèles de mécanique des milieux continus. Comptes Rendus Mathématique, 2001, 332, 949-956.	0.5	12
6	Existence of the thermodynamic limit for disordered quantum Coulomb systems. Journal of Mathematical Physics, 2012, 53, .	1.1	11
7	Analysis of a Prototypical Multiscale Method Coupling Atomistic and Continuum Mechanics: the Convex Case. Acta Mathematicae Applicatae Sinica, 2007, 23, 209-216.	0.7	8
8	Existence of vortex-free solutions in the Painlevé $\frac{1}{2}$ boundary layer of a Bose-Einstein condensate. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 765-801.	1.6	6
9	Profils locaux et problèmes elliptiques à plusieurs échelles avec défauts. Comptes Rendus Mathématique, 2015, 353, 203-208.	0.3	6
10	Approximation locale précise dans des problèmes multi-échelles avec défauts localisés. Comptes Rendus Mathématique, 2019, 357, 167-174.	0.3	5
11	Existence of vortex-free solutions in the Painlevé boundary layer of a Bose-Einstein condensate. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 765-801.	1.6	2
12	Asymptotic preserving schemes on conical unstructured 2D meshes. International Journal for Numerical Methods in Fluids, 2021, 93, 2763-2802.	1.6	1
13	Numerical analysis of a Reynolds Stress Model for turbulent mixing: the one-dimensional case. ESAIM: Mathematical Modelling and Numerical Analysis, 2021, 55, 1699-1740.	1.9	1
14	Homogenization of heat diffusion in a cracked medium. Comptes Rendus Mathématique, 2014, 352, 405-409.	0.3	0