

Claudia Timofte

List of Publications by Year in descending order

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38
papers

418
citations

1163117

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752698

20
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41
all docs

41
docs citations

41
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Chemical Processes in Porous Media. <i>Mathematical Models and Methods in Applied Sciences</i> , 2003, 13, 1437-1462.	3.3	42
2	A Generalized Strange Term in Signorini's Type Problems. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2003, 37, 773-805.	1.9	16
3	Multiscale analysis of diffusion processes in composite media. <i>Computers and Mathematics With Applications</i> , 2013, 66, 1573-1580.	2.7	10
4	Homogenization results for ionic transport in periodic porous media. <i>Computers and Mathematics With Applications</i> , 2014, 68, 1024-1031.	2.7	10
5	Homogenization results for a coupled system of reaction-diffusion equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2019, 188, 236-264.	1.1	10
6	Concentration and homogenization in electrical conduction in heterogeneous media involving the Laplace-Beltrami operator. <i>Calculus of Variations and Partial Differential Equations</i> , 2020, 59, 1.	1.7	10
7	Boundary optimal control for quasistatic bilateral frictional contact problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2014, 94, 84-99.	1.1	9
8	Homogenization results for the calcium dynamics in living cells. <i>Mathematics and Computers in Simulation</i> , 2017, 133, 165-174.	4.4	9
9	Upscaling of a diffusion problem with interfacial flux jump leading to a modified Barenblatt model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019, 99, e201800018.	1.6	9
10	Homogenization of a thermal problem with flux jump. <i>Networks and Heterogeneous Media</i> , 2016, 11, 545-562.	1.1	9
11	On the homogenization of a two-conductivity problem with flux jump. <i>Communications in Mathematical Sciences</i> , 2017, 15, 745-763.	1.0	7
12	Homogenization results for enzyme catalyzed reactions through porous media. <i>Acta Mathematica Scientia</i> , 2009, 29, 74-82.	1.0	6
13	Homogenization results for a class of parabolic equations with a non-local interface condition via time-periodic unfolding. <i>Nonlinear Differential Equations and Applications</i> , 2019, 26, 1.	0.8	6
14	Upscaling of a double porosity problem with jumps in thin porous media. <i>Applicable Analysis</i> , 2020, , 1-18.	1.3	5
15	Homogenization of a modified bidomain model involving imperfect transmission. <i>Communications on Pure and Applied Analysis</i> , 2021, 20, 1755.	0.8	5
16	Homogenization results for climatization problems. <i>Annali Dell'Universita Di Ferrara</i> , 2007, 53, 437-448.	1.3	4
17	Robust packing in cyclopalladated primary amines: isomorphous crystal structures of four complexes with varying substitution patterns. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, m48-m51.	0.4	4
18	The Effectiveness Factor of Reaction-Diffusion Equations: Homogenization and Existence of Optimal Pellet Shapes. <i>Journal of Elliptic and Parabolic Equations</i> , 2016, 2, 119-129.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Multiscale analysis in nonlinear thermal diffusion problems in composite structures. <i>Open Physics</i> , 2010, 8, 555-561.	1.7	3
20	On the Homogenization of a Damped Wave Equation. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	3
21	Well-posedness of two pseudo-parabolic problems for electrical conduction in heterogeneous media. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 493, 124533.	1.0	3
22	(S)-[2-(1-Aminoethyl)phenyl]chloro(3-chloropyridine)palladium(II) acetone 0.25-solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2791-m2793.	0.2	2
23	Upscaling of variational inequalities arising in nonlinear problems with unilateral constraints. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2007, 87, 406-412.	1.6	2
24	Homogenization results for elliptic problems in periodically perforated domains with mixed-type boundary conditions. <i>Asymptotic Analysis</i> , 2012, 80, 45-56.	0.5	2
25	Upscaling of a parabolic system with a large nonlinear surface reaction term. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 469, 549-567.	1.0	2
26	Upscaling in Nonlinear Thermal Diffusion Problems in Composite Materials. <i>Mathematics in Industry</i> , 2008, , 328-332.	0.3	2
27	Heat conduction in composite media involving imperfect contact and perfectly conductive inclusions. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	2
28	Upscaling in nonlinear thermal diffusion problems. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007, 7, 4080031-4080032.	0.2	1
29	Asymptotic Analysis in Dynamical Heat Transfer Problems in Heterogeneous Periodic Media. , 2009, , .		1
30	Multiscale analysis of composite structures. <i>Biomath</i> , 2012, 1, .	0.7	1
31	Microstructure models for composites with imperfect interface via the periodic unfolding method. <i>Asymptotic Analysis</i> , 2014, 89, 111-122.	0.5	1
32	Homogenization results for micro-contact elasticity problems. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 441, 462-474.	1.0	1
33	Upscaling in Reaction-Diffusion Problems. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
34	Homogenization Results for a Coupled System of Diffusion Equations in a Porous Medium. , 2010, , .		0
35	On the Asymptotic Behavior of a Reaction-diffusion System in a Porous Medium. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	0
36	Multiscale analysis of a carcinogenesis model. <i>Mathematics and Computers in Simulation</i> , 2017, 133, 298-310.	4.4	0

#	ARTICLE	IF	CITATIONS
37	Well-Posedness for a Modified Bidomain Model Describing Bioelectric Activity in Damaged Heart Tissues. <i>Mediterranean Journal of Mathematics</i> , 2021, 18, 1.	0.8	0
38	A degenerate pseudo-parabolic equation with memory. <i>Communications in Applied and Industrial Mathematics</i> , 2019, 10, 71-77.	0.3	0