Universitatea din Bucureşti

Facultatea de Fizică

Fişa de verificare a îndeplinirii standardelor minimale CNATDCU

Candidat: prof. dr. Claudia TIMOFTE

Articole publicate în reviste care au factor de impact (2015) mai mare sau egal cu 0.5

Nr. crt.	Articol	Publicat in ultimii 7 ani?	f_i (2015)	n_i	f_i/n_i
1.	A. Capatina, **C. Timofte**, *Homogenization results for micro-contact elasticity problems*, Journal of Mathematical Analysis and Applications, **441**, 462-474, 2016.	x	1.014	2	0.507
2.	R. Bunoiu, **C. Timofte**, *Homogenization of a thermal problem with flux jump*, Networks and Heterogeneous Media, **11** (4), 545-562, 2016.	x	0.925	2	0.463
3.	H. I. Ene, **C. Timofte**, *Homogenization results for a dynamic coupled thermoelasticity problem*, Romanian Reports in Physics, **68** (3), 979–989, 2016.	x	1,367	2	0.684
4.	**C. Timofte**, *Homogenization results for a carcinogenesis model, acceptat*, Mathematics and Computers in Simulation, 2016. DOI: 10.1016/j.-matcom.2016.06.008.	x	1.124	1	1.124
5.	**C. Timofte**, *Homogenization results for the calcium dynamics in living cells*, acceptat, Mathematics and Computers in Simulation, 2016. Doi:10.1016/j.matcom.2015.06.01 2015.	x	1.124	1	1.124
6.	R. Bunoiu, **C. Timofte**, *On the homogenization of a two-conductivity problem with flux jump*, acceptat, Communication in Mathematical Sciences, 2016 (http://www.math.wisc.edu/~jcms/).	x	1.198	2	0.599
7.	**C. Timofte**, *Homogenization results for ionic transport in periodic porous media*, Computers and Mathematics with Applications, **68** (9), 1024–1031, 2014.	x	1.398	1	1.398
8.	A. Capatina, **C. Timofte**, *Boundary optimal control for quasistatic bilateral frictional contact problems*, Nonlinear Analysis: Theory, Methods and Applications, **94**, 84–99, 2014.	x	1.125	2	0.563
9.	**C. Timofte**, *Multiscale analysis of diffusion processes in composite media*, Computers and Mathematics with Applications, **66** (9), 1573-1580, 2013.	x	1.398	1	1.398

10.	**C. Timofte**, *Multiscale modeling of heat transfer in composite materials,* Rom. Journ. Phys., **58** (9-10), 1418–1427, 2013.	x	1.398	1	1.398
11.	**C. Timofte**, N. Cotfas, G. Pavel, *On the asymptotic behaviour of some elliptic problems in perforated doma*ins, Romanian Reports in Physics, **64** (1), 5–14, 2012.	x	1.367	3	0.456
12.	N. Cotfas, **C. Timofte**, G. Pavel, *Finite frames and finite frame quantizations*, Romanian Reports in Physics , **63** (4), 1026–1037, 2011.	x	1,367	3	0.456
13.	**C. Timofte**, *Homogenization results for nonlinear thermal diffusion problems in composite structures*, Central European Journal of Physics, **8** (4), 555-561, 2010.	x	0.948	1	0.948
14.	**C. Timofte**, *Homogenization results for hyperbolic-parabolic equations*, Romanian Reports in Physics, **62** (2), 229-238, 2010.	x	1,367	1	1,367
15.	**C. Timofte**, *Homogenization results for enzyme catalyzed reactions through porous media*, Acta Mathematica Scientia, **29B** (1), 74-82, 2009.	-	0.557	1	0.557
16.	**C. Timofte**, *Multiscale analysis in dynamical heat transfer problems in biological tissues*, Romanian Reports in Physics, **61** (2), 269-280, 2009.	-	1,367	1	1,367
17.	**C. Timofte**, *Upscaling in dynamical heat transfer problems in biological tissues,* Acta Physica Polonica B, **39** (11), 2811-2822, 2008.	-	0.795	1	0.795
18.	**C. Timofte**, *Upscaling in diffusion problems in domains with semipermeable boundaries*, Acta Physica Polonica B, **38** (8), 2433-2443, 2007.	-	0.795	1	0.795
19.	**C. Timofte**, *Upscaling of variational inequalities arising in nonlinear problems with unilateral constraints*, Z. Angew. Math. Mech., **87** (6), 406-412, 2007.	-	1.993	1	1.993
20.	**C. Timofte**, *On the homogenization of parabolic problems with dynamical boundary conditions in perforated media*, Romanian Reports in Physics, **56** (2), 131-140, 2004.	-	1.367	1	1.367
21.	C. Conca, J. I. Díaz, **C. Timofte**, *On the homogenization of a transmission problem arising in chemistry*, Romanian Reports in Physics, **56**, 4, 613-622, 2004.	-	1.367	1	1.367
22.	C. Conca, J. I. Díaz, A. Liñán, **C. Timofte**, *Homogenization in chemical reactive flows through porous media*, Electron. J. Diff. Eqns., Vol. 2004, No. 40, pp. 1-22.	-	0.769	4	0.192
23.	C. Conca, F. Murat, **C. Timofte**, *A generalized strange term in Signorini's type problems*, ESAIM: Model. Math. Anal. Numer. (M2AN), **37** (5), 773-806, 2003.	-	1.486	3	0.495
24.	C. Conca, J. I. Díaz, **C. Timofte**, *Effective chemical processes in porous media*, Math. Models Methods Appl. Sci. (M3AS), **13** (10), 1437-1462,	-	3.084	3	1.028

	2003.				
25.	**C. Timofte**, *On the asymptotic behavior of thermal Taylor dispersion processes inperiodic media*, Journal of Theoretical and Applied Mechanics, **41**, 75-88, 2003.	-	0.679	1	0.679
26.	**C. Timofte**, *A macrotransport paradigm for thermal Taylor dispersion processes in periodic media*, Romanian Reports in Physics, **52** (5-7), 441-446, 2000.	-	1.367	1	1.367
27.	**C. Timofte**, *Asymptotics of thermal dispersion in periodic media*, Journal of Theoretical and Applied Mechanics, **37** (1), 95-108, 1999.	-	0.679	1	0.679
28.	**C. Timofte**, *On the asymptotic behavior of some Taylor dispersion processes in periodic media*, Romanian Reports in Physics, **50** (7-9), 681-690, 1998.	-	1.367	1	1.367
	Total:	**I=26.533 (≥ 5);** I_{recent} **= 12.485 (≥2.5).**			

Citări în reviste cu factor de impact (2015) mai mare sau egal cu 0.5

Nr. crt.	Articolul citat	Revista și articolul în care a fost citat	f_i (2015)
1.	C. Conca, J. I. Díaz, **C. Timofte**, *Effective chemical processes in porous media*, Math. Models Methods Appl. Sci. (M3AS), **13** (10), 1437-1462, 2003.	I. Graf, M. A. Peter, J. Sneyd, *Homogenization of a nonlinear multiscale model of calcium dynamics in biological cells*, Journal of Mathematical Analysis and Applications, 419 (1), 28–47, 2014.	1.014
2.		G. Gagneux, O. Millet, *General properties of the Nernst-Planck-Poisson-Boltzmann system describing electrocapillary effects in porous media*, Journal of Elasticity, 117 (2), 213-230, 2014.	1.656
3.		M. A. Peter, M. Böhm, *Different choices of scaling in homogenization of diffusion and interfacial exchange in a porous medium,* Mathematical Methods in the Applied Sciences, 31 (11), 1257–1282, 2008.	1.002
4.		M. A. Peter, *Coupled reaction–diffusion processes inducing an evolution of the microstructure: Analysis and homogenization*, Nonlinear Analysis: Theory, Methods & Applications, 70 (2), 806–821, 2009.	1.125
5.		A. Mikelic, M. Primicerio, *Modeling and homogenizing a problem of absorption/desorption*	3.084

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		in porous media, Math. Models Methods Appl. Sci. (M3AS), 16, 1751, 2006.	
6.		K. Kumar, T. L. van Noorden, I. S. Pop, *Effective dispersion equations for reactive flows involving free boundaries at the microscale*, Multiscale Model. Simul., 9 (1), 29–58. 2011.	1.585
7.		M. Ptashnyk, *Derivation of a macroscopic model for nutrient uptake by hairy-roots*, Nonlinear Analysis: Real World Applications, 11 (6), 4586–4596, 2010.	2.238
8.		G. Allaire, H. Hutridurga, *Upscaling nonlinear adsorption in periodic porous media-homogenization approach*, Appl. Anal., 2015.	0.815
9.		A. Brillard, D. Gómez, M. Lobo, E. Pérez, T. A. Shaposhnikova, *Boundary homogenization in perforated domains for adsorption problems with an advection term*, Applicable Analysis, 95, 2016.	0.815
10.		J. I. Díaz, D. Gómez-Castro, *On the effectiveness of wastewater cylindrical reactors: an analysis through Steiner symmetrization*, Pure and Applied Geophysics, 173 (3), 923–935, 2016.	1.677
11.		G. Gagneux, O. Millet, *A survey on properties of Nernst–Planck–Poisson system. Application to ionic transport in porous media,* Applied Mathematical Modelling, 40 (2), 846–858, 2016.	2.291
12.		A. Baldi, M. Tesi, *A Gamma-convergence approach to non-periodic homogenization of strongly anisotropic functional*, Math. Models Methods Appl. Sci. (M3AS), 14, 1735 (2004).	3.084
13.		G. Gagneux, O Millet, *Homogenization of the Nernst-Planck-Poisson system by two-scale convergence*, Journal of Elasticity, 114 (1), 69-84, 2014.	1.656
14.		J. I. Díaz, D. Gómez-Castro, *An application of shape differentiation to the effectiveness of a steady state reactio-diffusion problem arising in chemical engineering*, Electronic Journal of Differential Equations, Conference 22, pp. 31-45, 2015.	0.769
15.		K. Kumar. M. Neuss-Radu, I. S. Pop, *Homogenization of a pore scale model for precipitation and dissolution in porous media*, IMA Journal of Applied Mathematics, 2016.	1.034
16.	**C. Timofte**, *Homogenization results for hyperbolic-parabolic equations*, Romanian Reports in Physics, **62** (2), 229-238, 2010.	K. Razminia, A. Razminia, R. Kharrat, D. Baleanu, *Analysis of diffusivity equation using differential quadrature method*, Rom. Journ. Phys., 59 (3–4), 233–246, 2014.	1.398
17.	C. Conca, F. Murat, **C. Timofte**, *A generalized*	M. Focardi, *Aperiodic fractional obstacle problems,*	1.405

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	strange term in Signorini's type problems, ESAIM: Model. Math. Anal. Numer. (M2AN), **37** (5), 773-806, 2003.	Advances in Mathematics, 225 (6), 3502–3544, 2010.	
18.		J. Ortega, J. San Martín, L. Smaranda, *Bloch wave homogenization of a non-homogeneous Neumann problem*, Zeitschrift für angewandte Mathematik und Physik, 58 (6), 969-993, 2007.	1.560
19.	C. Conca, J. I. Díaz, A. Liñán, **C. Timofte**, *Homogenization in chemical reactive flows through porous media*, Electron. J. Diff. Eqns., **40**, 1-22, 2004.	A. Marciniak-Czochra, M. Ptashnyk, *Derivation of a macroscopic receptor-based model using homogenization techniques*, SIAM J. Math. Anal., 40 (1), 215–237, 2008.	1.486
20.		A. Mikelic, M. Primicerio, *Modeling and homogenizing a problem of absorption/desorption in porous media*, Math. Models Methods Appl. Sci. (M3AS), 16, 1751, 2006.	3.084
21.		B. Amaziane, M. Goncharenko, L. Pankratov, *Homogenization of a convection–diffusion equation in perforated domains with a weak adsorption*, Zeitschrift für angewandte Mathematik und Physik, 58 (4), 592-611, 2007.	1.560
22.		M. Ptashnyk, *Derivation of a macroscopic model for nutrient uptake by hairy-roots*, Nonlinear Analysis: Real World Applications, 11 (6), 4586–4596, 2010.	2.238
23.		D. Gómez, M. Lobo, M. E. Pérez, T. A. Shaposhnikova, *Averaging in variational inequalities with nonlinear restrictions along manifolds*, Comptes Rendus Mécanique, 339 (6), 406–410, 2011.	0.988
24.		J. M. Arrieta Algarra, S. Bruschi, *Very rapidly varying boundaries in equations with nonlinear boundary conditions. The case of a non uniformly Lipschitz deformation*, Discrete and Continuous Dynamical Systems. Series B, 14 (2), 327-351, 2010.	1.227
25.		D. Gómez, M. Lobo, M. E. Pérez, T. A. Shaposhnikova, *Averaging of variational inequalities for the Laplacian with nonlinear restrictions along manifolds*, Applicable Analysis, Volume 92, Issue 2, 2013.	0.815
26.		B. Cabarrubias, P. Donato, *Homogenization of a quasilinear elliptic problem with nonlinear Robin boundary conditions*, Applicable Analysis, 91 (6), 1111-1127, 2012.	0.815
27.		G. Gagneux, O. Millet, *Homogenization of the Nernst-Planck-Poisson system by two-scale convergence,* Journal of Elasticity, 114 (1), 69-84, 2014.	1.656

28.		T. Melnyk, *Asymptotic approximation for the solution to a semi-linear parabolic problem in a thick junction with the branched structure*, Journal of Mathematical Analysis and Applications, 424 (2), 1237–1260, 2015.	1.014
29.		D. Gomez, M. Lobo, M. E. Perez, T. A. Shaposhnikova, M. N. Zubova, *On critical parameters in homogenization of perforated domains by thin tubes with nonlinear flux and related spectral problems*, Mathematical Methods in the Applied Sciences, DOI: 10.1002/mma.3246.	1.002
30.		G. Gagneux, O. Millet, *General properties of the Nernst-Planck-Poisson-Boltzmann system describing electrocapillary effects in porous media,* Journal of Elasticity, 117 (2), 213-230, 2014.	1.656
31.		J. I. Díaz, D. Gómez - Castro, *On the effectiveness of waste-water cylindrical reactors: an analysis through Steiner symmetrization,* Pure and Applied Geophysics, 173 (3), 923–935, 2016.	1.677
32.		A. O. Hammouda, R. Zaki, *Homogenization of a class of elliptic problems with nonlinear boundary conditions in domains with small holes*, Carpathian J. Math., 31 (1), 77 – 88, 2015.	0.610
33.		T. Melnyk, I. Nakvasiuk, *Homogenization of a semilinear variational inequality in a thick multilevel junction*, Journal of Inequalities and Applications, 2016, 2016:104.	0.630
34.		G. Gagneux, O. Millet, *A survey on properties of Nernst–Planck–Poisson system. Application to ionic transport in porous medi*a, Applied Mathematical Modelling, 40 (2), 846–858, 2016.	2.291
35.		B. Cabarrubias, *Homogenization of optimal control problems in perforated domains via periodic unfolding method*, Applicable Analysis, 2016. http://dx.doi.org/10.1080/00036811.2015.1094799	0.815
36.		J. I. Díaz, T. Mingazzini, A. M. Ramos, *On the optimal control for a semilinear equation with cost depending on the free boundary*, Networks and Heterogeneous Media, 2012.	0.925
37.	**C. Timofte**, *Upscaling in dynamical heat transfer problems in biological tissues*, Acta Physica Polonica B, **39** (11), 2811-2822, 2008.	B Gambin, E Kruglenko, T. Kujawska M. Michajłow, *Modeling of tissues in vivo heating induced by exposure to therapeutic ultrasound*, Acta Physica Polonica A, 119, 2011.	0.525
38.	**C. Timofte**, *Homogenization results for parabolic problems with dynamical boundary conditions in perforated media*, Romanian Reports in Physics, **56**, 2, 131-140, 2004.	W. Wang, D. Cao, J. Duan, *Effective macroscopic dynamics of stochastic partial differential equations in perforated domains*, SIAM Journal on Mathematical Analysis, 38(5), 1508–1527, 2007.	1.486

39.		W. Wang, J. Duan, *Homogenized dynamics of stochastic partial differential equations with dynamical boundary conditions*, Communications in Mathematical Physics, 275 (1), 163-186, 2007.	2.375
40.		H. Bessaih, Y. Efendiev, F. Maris, H*omogenization of the evolution Stokes equation in a perforated domain with a stochastic Fourier boundary condition*, Networks and Heterogeneous Media (NHM), 343-367, 10 (2), 2015. Doi:10.3934/nhm.2015.10.343.	0.925
41.	**C. Timofte**, *Homogenization results for climatization problems*, Annali dell'Universita di Ferrara Sez. VII (N.S.), **53** (2), 437-448, 2007.	J. M. Arrieta Algarra, S. Bruschi, *Very rapidly varying boundaries in equations with nonlinear boundary conditions. The case of a non uniformly Lipschitz deformation*, Discrete and Continuous Dynamical Systems. Series B, 14 (2), 327-351, 2010.	1.227
42.	**C. Timofte**, *On the homogenization of a climatization problem*, Studia Universitatis Babes-Bolyai Mathematica, **2**, 117-126, 2007.	B. Cabarrubias, P. Donato, *Homogenization of a quasilinear elliptic problem with nonlinear Robin boundary conditions*, Applicable Analysis, 91 (6), 1111-1127, 2012.	0.815
43.	G. Buttazzo, **C. Timofte**, *On the relaxation of some optimal partition problems*, Advances in Mathematical Sciences and Applications, **12** (2), 509-520, 2002.	M. Conti, S. Terracini, G. Verzini, *On a class of optimal partition problems related to the Fučik spectrum and to the monotonicity formulae*, Calculus of Variations and Partial Differential Equations, 22 (1), 45-72, 2005.	1.555
44.		B. Bourdin, D. Bucur, É. Oudet, *Optimal partitions for eigenvalues*, SIAM J. Sci. Comput., 31 (6), 4100–4114, 2009.	1.792
45.		T. Bayen, T. Lachand-Robert, É. Oudet, *Analytic parametrization of three-dimensional bodies of constant width*, Archive for Rational Mechanics and Analysis, 186 (2), 225-249, 2007.	2.321
46.		Farid Bozorgnia, *Optimal partitions for first eigenvalues of the Laplace operator*, Numerical Methods for Partial Differential Equations, DOI: 10.1002/num.21927, 2014.	0.964
47.		M. Ramos, H. Tavares, S. Terracini, *Extremality conditions and regularity of solutions to optimal partition problems involving Laplacian eigenvalues*, Arch. Rational Mech. Anal. (2016) 220: 363. doi:10.1007/s00205-015-0934-2.	2.321
48.		G. Buttazzo, *Spectral optimization problems*, Revista Matemática Complutense, 24 (2), 277–322, 2011.	0.600
49.	**C. Timofte**, *Homogenization results for enzyme catalyzed reactions through porous media*, Acta Mathematica Scientia, **29B** (1), 74-82, 2009.	D. Gómez, M. Lobo, M. E. Pérez, T. A. Shaposhnikova, M. N. Zubova, *On critical parameters in homogenization of perforated domains by thin tubes with nonlinear flux and related spectral prob-*	1.002

		lems, Mathematical Methods in the Applied Sciences, DOI: 10.1002/mma.3246.	
50.		D. Gómez, M. Lobo, M. E. Pérez, T. A. Shaposhnikova, M. N. Zubova, *On critical parameters in homogenization of perforated domains by thin tubes with nonlinear flux and related spectral problems*, Mathematical Methods in the Applied Sciences, DOI: 10.1002/mma.3246.	1.002
51.		A. Brillard, D. Gómez, M. Lobo, E. Pérez, T. A. Shaposhnikova*, Boundary homogenization in perforated domains for adsorption problems with an advection term*, Applicable Analysis, 95, 2016.	0.815
52.	B. Calmuschi-Cula, **C. Timofte**, U. Englert, *Acta Cryst.* E, **62**, m2791-m2793, 2006.	B. Braun, I. Kalf, U.Englert*, One of the most complex small molecule structures ever reported*, Chem. Commun.*,* 47, 3846-3848, 2011.	6.567
53.	C. Conca, J.I. Díaz, **C. Timofte**, *On the homogenization of a transmission problem arising in chemistry*, Romanian Reports in Physics, 56, 4, 613-622, 2004.	I. Graf, M. A. Peter, J. Sneyd, *Homogenization of a nonlinear multiscale model of calcium dynamics in biological cells*, Journal of Mathematical Analysis and Applications, 419 (1), 28–47, 2014.	1.014
54.	B. Calmuschi-Cula, I. Kalf, **C. Timofte**, U. Englert, *Robust packing in cyclopalladated primary amines: isomorphous crystal structures of four complexes with varying substitution patterns*, Acta Cryst. C, 65, m48 - m51, 2009.	B. Braun, I. Kalf, U. Englert*, One of the most complex small molecule structures ever reported,* Chem. Commun.*,* 47, 3846-3848, 2011.	6.567
55.		K. Lamberts, U. Englert, *Structures from MnX2 and proline: isomorphous racemic compounds and a series of chiral non-isomorphous chain polymers*, Acta Cryst. B, B68, 610-618, 2012.	2,892
56.		S. Sabater, J. A. Mata, E. Peris, *Chiral palladacycles with N-heterocyclic carbene ligands as catalysts for asymmetric hydrophosphination*, Organometallics, 32 (4), 1112–1120, 2013.	4.186
57.	**C. Timofte**, *Multiscale analysis of diffusion processes in composite media*, Computers and Mathematics with Applications, **66** (9), 1573-1580, 2013.	O. Chávez, F. A. Godinez, A. Beltrán, A. Garcia, R. Zenit, *A conjugate thermo-electric model for a composite medium,* PloS ONE, 2014, 9 (5), e97895.	3.057
58.		M. Amar, D. Andreucci , R. Gianni, *Exponential decay for a nonlinear model for electrical conduction in biological tissues*, , Nonlinear Analysis: Theory, Methods and Applications131, 2016, 206–228.	1.125

59.	A. Capatina, **C. Timofte**, *Boundary optimal control for quasistatic bilateral frictional contact problems*, Nonlinear Analysis: Theory, Methods and Applications, **94**, 84–99, 2014.	J. Han, S. Migórski, H. Zeng, *Analysis of a dynamic viscoelastic unilateral contact problem with normal damped response,* Nonlinear Analysis: Real World Applications, 28, 2016, 229–250.	2.238
60.	**C. Timofte**, *Multiscale modeling of heat transfer în composite materials*, Romanian Journal of Physics, **58** (9-10), 1418-1427, 2013.	A. Chowdhury, *A numerical study of the perturbation of a gradient temperature field for arbitrary proximity between two spheres using Legendre spectral method*, Romanian Journal of Physics, 2015.	1.398
61.	**C. Timofte**, *Homogenization results for ionic transport in periodic porous media*, Computers and Mathematics with Applications, **68** (9), 1024–1031, 2014.	M. Schmuck, M. Z. Bazant, *Homogenization of the Poisson--Nernst--Planck equations for ion transport in charged porous media,* SIAM J. Appl. Math., 75(3), 1369–1401, 2015.	1.510
62.		G. Allaire, O. Bernard, J. F. Dufrêche, A. Mikelić, *Ion transport through deformable porous media: derivation of the macroscopic equations using upscaling*, Computational and Applied Mathematics, 2016, doi:10.1007/s40314-016-0321-0.	0.802
63.	**C. Timofte**, *Multiscale analysis of ionic transport in periodic charged media*, BIOMATH, **2** (2), 2013. http://dx.doi.org/10.11145/j.biomath.2013.12.302	G. Allaire, O. Bernard, J.F. Dufrêche, A. Mikelić, *Ion transport through deformable porous media: derivation of the macroscopic equations using upscaling*, Computational and Applied Mathematics, 2016, doi:10.1007/s40314-016-0321-0.	0.802
64.		N. Ray, T. Elbinger, P. Knabner, *Upscaling the flow and transport in an evolving porous medium with general interaction potentials,* SIAM J. Appl. Math., 75(5), 2170–2192, 2015.	1.510
65.	**C. Timofte**, *Homogenization results for a nonlinear wave equation in a perforated domain*, U.P.B. Sci. Bull., Series A, **72** (2), 2010.	Z. Yang, Y. Yu, *Correctors for the nonlinear wave equations in perforated domains*, Bulletin of the Malaysian Mathematical Sciences Society, 1–17, 2016. DOI 10.1007/s40840-016-0395-2.	0.640
66.	**C. Timofte**, *On the homogenization of a damped wave equation*, AIP Conf. Proc. **1301**, 543 (2010).	Dong Hao, Nie Yu-Feng, Cui Jun-Zhi, Wu Ya-Tao, *Second-order two-scale analysis and numerical algorithms for the hyperbolic–parabolic equations with rapidly oscillating coefficients*, Chinese Physics B, 24(9): 090204, 2015.	1.436

67.	**C. Timofte**, *Asymptotic analysis in dynamical heat transfer problems in heterogeneous periodic media*, AIP Conf. Proc. **1186**, 248 (2009).	Wen-ming He, Wei-qiu Chen, Hua Qiao, *In-plane vibration of rectangular plates with periodic inhomogeneity: Natural frequencies and their adjustment,* Composite Structures, 105, 134–140, 2013.	3.853
68.	**C. Timofte**, *Upscaling in nonlinear thermal diffusion problems in composite materials,* Progress in Industrial Mathematics at ECMI 2006, 328-332, Springer, 2008.	P. Donato, K. H. le Nguyen, *Homogenization of diffusion problems with a nonlinear interfacial resistance*, Nonlinear Differential Equations and Applications (NoDEA), 2015. DOI 10.1007/s00030-015-0325-2.	0.797
	Total:	**C=68 (≥ 12).**	

Fişa de verificare a îndeplinirii standardelor minimale CNATDCU - SRI

Articole publicate în reviste cu scor relativ de influenţă (2015) mai mare sau egal cu 0.5

Nr. crt.	Articol	Publicat în ultimii 7 ani?	s_i (2015)	n_i	s_i/n_i
1.	A. Capatina, **C. Timofte**, *Homogenization results for micro-contact elasticity problems*, Journal of Mathematical Analysis and Applications, **441**, 462-474, 2016.	x	1.125	2	0.563
2.	R. Bunoiu, **C. Timofte**, *Homogenization of a thermal problem with flux jump*, Networks and Heterogeneous Media, **11** (4), 545-562, 2016.	x	1.394	2	0.697
3.	**C. Timofte**, *Homogenization results for a carcinogenesis model, acceptat*, Mathematics and Computers in Simulation, 2016. DOI: 10.1016/j.matcom.2016.06.008.	x	0.901	1	0.901
4.	**C. Timofte**, *Homogenization results for the calcium dynamics in living cells*, acceptat, Mathematics and Computers in Simulation, 2016. Doi:10.1016/j.matcom.2015.06.01 2015.	x	0.901	1	0.901
5.	H. Ene, **C. Timofte**, *Microstructure models for composites with imperfect interface via the periodic unfolding method,* Asymptotic Analysis, **89** (1-2), 111-122, 2014.	x	0.810	2	0.405
6	R. Bunoiu, **C. Timofte**, *On the homogenization of a two-conductivity problem with flux jump*, acceptat, Communication in Mathematical Sciences, 2016 (http://www.math.wisc.edu/~jcms/).	x	1.615	2	0.808
7.	**C. Timofte**, *Homogenization results for ionic transport in periodic porous media*, Computers and Mathematics with Applications, **68** (9), 1024–1031, 2014.	x	1.098	1	1.098

8.	A. Capatina, **C. Timofte**, *Boundary optimal control for quasistatic bilateral frictional contact problems*, Nonlinear Analysis: Theory, Methods and Applications, **94**, 84–99, 2014.	x	1.148	2	0.574
9.	**C. Timofte**, *Multiscale analysis of diffusion processes in composite media*, Computers and Mathematics with Applications, **66** (9), 1573-1580, 2013.	x	1.098	1	1.098
10.	A. Capatina, H. I. Ene, **C. Timofte**, *Homogenization results for elliptic problems in periodically perforated domains with mixed-type boundary conditions*, Asymptotic Analysis, **80** (1-2), 45-56, 2012.	x	0.810	3	0.270
11.	**C. Timofte**, *Homogenization results for nonlinear thermal diffusion problems in composite structures*, Central European Journal of Physics, **8** (4), 555-561, 2010.	x	0.779	1	0,779
12.	**C. Timofte**, *Upscaling in dynamical heat transfer problems in biological tissues*, Acta Physica Polonica B, **39** (11), 2811-2822, 2008.	-	0.646	1	0.646
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Total:			**I=12.154 ($\geq$ 5);** I_{recent} **=8.094 ($\geq$ 2.5).**		

Citări în reviste cu scor relativ de influenţă (2015) mai mare sau egal cu 0.5

Nr. crt.	Articolul citat	Revista si articolul in care a fost citat	s_i (2015)
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10.10. 2016   Prof. dr. Claudia Timofte