Fișa de îndeplinire a standardelor minimale

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1. Lucrări publicate în jurnale cu s_i cel puțin egal cu 0.5

Număr publicaţie	Referinţa bibliografică	Publicat în ultimii 7 ani?	s_i	n_i	s_i/n_i
1	L. Berselli, A. Dunca, R. Lewandowski, D. Nguyen, Modeling error of alpha-models of turbulence on a two-dimensional torus, DCDS-B, 26(2021),4613-4643,WOS:000652031300001	DA	0.984	4	0.246
2	A. Dunca, Estimates of the discrete van Cittert deconvolution error in approximate deconvolution models of turbulence in bounded domains, Appl. Num. Math., 134(2018), 1-10, WOS:000447092000001	DA	1.170	1	1.17
3	A. Dunca, Estimates of the Modeling Error of the alpha-Models of Turbulence in Two and Three Space Dimensions, J. of Math Fluid Mech., 20(2018), 1123-1135, WOS:000441287600011	DA	2.158	1	2.158
4	A. Dunca, Numerical analysis and testing of a stable and convergent finite element scheme for approximate deconvolution turbulence models, Comp. & Math. Appl., 75(2018), 690-702, WOS:000427333100023	DA	1.334	1	1.334
5	A. Dunca, On an optimal finite element scheme for the advection equation, J. of Comp. and Appl. Math., 311(2017), 522-528, WOS:000386403000040	DA	1.077	1	1.077
6	A. Dunca, On an energy inequality for the approximate deconvolution models Nonlin. Anal.-Real World Appl., 32(2016), 294-300, WOS:000380079900017	DA	1.505	1	1.505
7	T. Kim, A. Dunca, L. Rebholz, E. Fried, Energy analysis and improved regularity estimates for multiscale deconvolution models of incompressible flows, Math. Meth. Appl. Sci., 38(2015) 4199-4209, WOS:000368250600045	NU	0.823	4	0.205
8	A. Dunca, M. Neda, On the Vreman filter based stabilization for the advection equation, Appl. Math. Comput. , 269(2015), 379-388, WOS:000361771500033	NU	1.281	2	0.64
9	V. Cuff, A. Dunca, C. Manica, L. Rebholz, The reduced order NS-alpha model for incompressible flow: theory, numerical analysis and benchmark testing, ESAIM-Math. Model. Num., 49(2015), 641-662, WOS:000354794100002	NU	2.384	4	0.596
10	A. Dunca, M. Neda, Numerical analysis of a nonlinear time relaxation model of fluids, J. Math. Anal. Appl., 420 (2014), 1095–1115, WOS:000340310500014	NU	1.164	2	0.582
11	A. Dunca, R. Lewandowski, Modeling error in approximate deconvolution models, Com. Math. Sci., 12(2014), 757-778, WOS:000331835300008	NU	1.716	2	0.858
12	A. Dunca, M. Neda, L. Rebholz, A mathematical and numerical study of a filtering-based multiscale fluid model with nonlinear eddy viscosity, Comp. & Math. Appl., 66(2013), 917–933, WOS:000324656800001	NU	1.334	3	0.444
13	A. Dunca, A two-level multiscale deconvolution method for the large eddy simulation of turbulent flows, Math. Mod. Meth. Appl. Sci., 22(2012), 1250001 (30 pages), WOS:000302736300001	NU	3.247	1	3.247
14	A. Dunca, K. Kohler, M. Neda and L. Rebholz, A mathematical and physical study of multiscale deconvolution models of turbulence, Math. Meth. Appl. Sci., 35(2012), 1205–1219, WOS:000305685200007	NU	0.823	4	0.205
15	A. Dunca, On the existence of global attractors of the approximate deconvolution models of turbulence, J. Math. Anal. Appl., 389(2012), 1128–	NU	1.164	1	1.164

	1138, WOS:000300206700035				
16	A.Dunca, Y.Epshteyn, On the Stolz-Adams deconvolution models for the large eddy simulation of turbulent flows, SIAM J. Math. Anal., 37(2006), 1890-1902, WOS:000236805700009	NU	2.567	2	1.283
17	A. Dunca, V. John and W. Layton, Approximating local averages of fluid velocities: the equilibrium Navier-Stokes, Appl. Num. Math., 49(2004), 187-205, WOS:000220750700003	NU	1.170	3	0.39
18	A. Dunca, V.John, Finite element error analysis of space averaged flow fields defined by a differential filter, Math. Mod. Meth. Appl. Sci., 14(2004), 603-618, WOS:000220911200006	NU	3.247	2	1.623
Total:		S=			18.727
		S_{recent}=			7.49