Vuk Milisic

List of Publications by Year
in descending order

24 papers	327 citations	1163117 8 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	333 citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic limits for a nonlinear integro-differential equation modelling leukocytes' rolling on arterial walls. Nonlinearity, 2022, 35, 843-869.	1.4	0
2	From delayed and constrained minimizing movements to the harmonic map heat equation. Journal of Functional Analysis, 2020, 279, 108520.	1.4	0
3	On the role of the epithelium in a model of sodium exchange in renal tubules. Mathematical Biosciences, 2020, 321, 108308.	1.9	2
4	Multi-type Galton–Watson Processes with Affinity-Dependent Selection Applied to Antibody Affinity Maturation. Bulletin of Mathematical Biology, 2019, 81, 830-868.	1.9	2
5	Random walks on binary strings applied to the somatic hypermutation of B-cells. Mathematical Biosciences, 2018, 300, 168-186.	1.9	2
6	Initial Layer Analysis for a Linkage Density in Cell Adhesion Mechanisms. ESAIM Proceedings and Surveys, 2018, 62, 108-122.	0.4	1
7	Space dependent adhesion forces mediated by transient elastic linkages: New convergence and global existence results. Journal of Differential Equations, 2018, 265, 6049-6082.	2.2	1
8	Mathematical modeling of lymphocytes selection in the germinal center. Journal of Mathematical Biology, 2017, 74, 933-979.	1.9	0
9	Weighted $$L^p$$ L p -theory for Poisson, biharmonic and Stokes problems on periodic unbounded strips of $${{\mathbb {R}}}^n$$ R n. Annali Dell'Universita Di Ferrara, 2016, 62, 117-142.	1.3	0
10	Tear-off versus global existence for a structured model of adhesion mediated by transient elastic linkages. Communications in Mathematical Sciences, 2016, 14, 1353-1372.	1.0	4
11	On a Structured Model for Load-Dependent Reaction Kinetics of Transient Elastic Linkages Mediating Nonlinear Friction. SIAM Journal on Mathematical Analysis, 2015, 47, 2104-2121.	1.9	9
12	On the asymptotic regime of a model for friction mediated by transient elastic linkages. Journal Des Mathematiques Pures Et Appliquees, 2011, 96, 484-501.	1.6	16
13	Asymptotic analysis of blood flow in stented arteries: time dependency and direct simulations. ESAIM: Proceedings and Surveys, 2010, 30, 70-89.	0.4	1
14	High order multi-scale wall-laws, Part I: The periodic case. Quarterly of Applied Mathematics, 2010, 68, 229-253.	0.7	26
15	A Priori Convergence Estimates for a Rough Poisson-Dirichlet Problem with Natural Vertical Boundary Conditions. , 2010, , 105-134.		4
16	Very Weak Estimates for a Rough Poisson-Dirichlet Problem with Natural Vertical Boundary Conditions. Methods and Applications of Analysis, 2009, 16, 157-186.	0.5	3
17	Vers des lois de parois multi-échelle implicites. Comptes Rendus Mathematique, 2008, 346, 833-838.	0.3	6
18	Analysis of the fiber architecture of the heart by quantitative polarized light microscopy. Accuracy, limitations and contribution to the study of the fiber architecture of the ventricles during fetal and neonatal life†. European Journal of Cardio-thoracic Surgery, 2007, 31, 915-921.	1.4	49

#	Article	IF	Citations
19	Modelling and simulation of fibrous biological tissues via discrete homogenization methods. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1121601-1121602.	0.2	1
20	Analysis of a Geometrical Multiscale Blood Flow Model Based on the Coupling of ODEs and Hyperbolic PDEs. Multiscale Modeling and Simulation, 2005, 4, 215-236.	1.6	71
21	Kinetic approximation of a boundary value problem for conservation laws. Numerische Mathematik, 2004, 97, 595-633.	1.9	13
22	A discrete BGK approximation for strongly degenerate parabolic problems with boundary conditions. Journal of Differential Equations, 2004, 202, 183-207.	2.2	8
23	Analysis of lumped parameter models for blood flow simulations and their relation with 1D models. ESAIM: Mathematical Modelling and Numerical Analysis, 2004, 38, 613-632.	1.9	103
24	Stability and convergence of discrete kinetic approximations to an initial-boundary value problem for conservation laws. Proceedings of the American Mathematical Society, 2003, 131, 1727-1737.	0.8	5