

Paula de Oliveira

List of Publications by Year in descending order

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papers

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1040056

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18
all docs

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docs citations

18
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of plaque eccentricity on blood hemodynamics and drug release in a stented artery. <i>Medical Engineering and Physics</i> , 2018, 60, 47-60.	1.7	11
2	On the exponential decay of waves with memory. <i>Journal of Computational and Applied Mathematics</i> , 2017, 318, 460-478.	2.0	2
3	The influence of atherosclerotic plaques on the pharmacokinetics of a drug eluted from bioabsorbable stents. <i>Mathematical Biosciences</i> , 2017, 283, 71-83.	1.9	17
4	Mathematics of aging: Diseases of the posterior segment of the eye. <i>Computers and Mathematics With Applications</i> , 2017, 73, 11-26.	2.7	8
5	Numerical and analytical study of drug release from a biodegradable viscoelastic platform. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 4688-4699.	2.3	8
6	A coupled non-Fickian model of a cardiovascular drug delivery system. <i>Mathematical Medicine and Biology</i> , 2016, 33, 329-357.	1.2	7
7	Diffusion, viscoelasticity and erosion: Analytical study and medical applications. <i>Journal of Computational and Applied Mathematics</i> , 2015, 275, 489-501.	2.0	11
8	Analytical and numerical study of a coupled cardiovascular drug delivery model. <i>Journal of Computational and Applied Mathematics</i> , 2015, 275, 433-446.	2.0	11
9	Molecular Transport in Viscoelastic Materials: Mechanistic Properties and Chemical Affinities. <i>SIAM Journal on Applied Mathematics</i> , 2014, 74, 1598-1614.	1.8	11
10	A 3D Model for Mechanistic Control of Drug Release. <i>SIAM Journal on Applied Mathematics</i> , 2014, 74, 620-633.	1.8	37
11	Mathematical modeling of efficient protocols to control glioma growth. <i>Mathematical Biosciences</i> , 2014, 255, 83-90.	1.9	17
12	A Second Order Approximation for Quasilinear Non-Fickian Diffusion Models. <i>Computational Methods in Applied Mathematics</i> , 2013, 13, 471-493.	0.8	10
13	Analytics and numerics of drug release tracking. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 3572-3583.	2.0	6
14	Flux tracking in drug delivery. <i>Applied Mathematical Modelling</i> , 2011, 35, 4684-4696.	4.2	12
15	Looking for the Lost Memory in Diffusion-Reaction Equations. , 2010, , 229-251.		1
16	Numerical oscillations on nonuniform grids. <i>Journal of Engineering Mathematics</i> , 1997, 31, 319-335.	1.2	1
17	A complete relief of the zero-stability domain. <i>Applicable Analysis</i> , 1992, 47, 87-102.	1.3	0
18	On fitting stability regions of second derivative multi-step methods. <i>Communications in Applied Numerical Methods</i> , 1992, 8, 351-360.	0.5	1