

# Paula de Oliveira

## List of Publications by Year in descending order

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125  
citing authors

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