

LuÃ-s Pinto

List of Publications by Year in descending order

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33
papers

452
citations

840776
11
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g-index

35
all docs

35
docs citations

35
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of a porousâ€elastic model for convection enhanced drug delivery. Journal of Computational and Applied Mathematics, 2022, 399, 113719.	2.0	2
2	Drug delivery enhanced by ultrasound: Mathematical modeling and simulation. Computers and Mathematics With Applications, 2022, 107, 57-69.	2.7	8
3	Registration of Consecutive Frames From Wireless Capsule Endoscopy for 3D Motion Estimation. IEEE Access, 2021, 9, 119533-119545.	4.2	4
4	Detecting stranded macro-litter categories on drone orthophoto by a multi-class Neural Network. Marine Pollution Bulletin, 2021, 169, 112594.	5.0	24
5	Drones for litter mapping: An inter-operator concordance test in marking beached items on aerial images. Marine Pollution Bulletin, 2021, 169, 112542.	5.0	33
6	Bank strategic asset allocation under a unified risk measure. Expert Systems With Applications, 2021, 185, 115574.	7.6	3
7	Mapping marine litter using UAS on a beach-dune system: a multidisciplinary approach. Science of the Total Environment, 2020, 706, 135742.	8.0	92
8	Aging Effect on Iontophoretic Transdermal Drug Delivery. SIAM Journal on Applied Mathematics, 2020, 80, 1882-1907.	1.8	4
9	Fast colonic polyp detection using a Hamiltonâ€Jacobi approach to non-dominated sorting. Biomedical Signal Processing and Control, 2020, 61, 102035.	5.7	4
10	Positivity preserving schemes for the fractional Klein-Kramers equation with boundaries. Communications in Nonlinear Science and Numerical Simulation, 2020, 91, 105444.	3.3	0
11	Mapping marine litter with Unmanned Aerial Systems: A showcase comparison among manual image screening and machine learning techniques. Marine Pollution Bulletin, 2020, 155, 111158.	5.0	48
12	Unsupervised segmentation of colonic polyps in narrow-band imaging data based on manifold representation of images and Wasserstein distance. Biomedical Signal Processing and Control, 2019, 53, 101577.	5.7	7
13	Polyp detection with computer-aided diagnosis in white light colonoscopy: comparison of three different methods. Endoscopy International Open, 2019, 07, E209-E215.	1.8	34
14	On the accurate simulation of nearshore and dam break problems involving dispersive breaking waves. Wave Motion, 2019, 85, 125-143.	2.0	9
15	An improved Serre model: Efficient simulation and comparative evaluation. Applied Mathematical Modelling, 2018, 56, 404-423.	4.2	11
16	Approximating coupled hyperbolicâ€parabolic systems arising in enhanced drug delivery. Computers and Mathematics With Applications, 2018, 76, 81-97.	2.7	8
17	Non-Fickian convectionâ€diffusion models in porous media. Numerische Mathematik, 2018, 138, 869-904.	1.9	11
18	Hybrid multiscale affine and elastic image registration approach towards wireless capsule endoscope localization. Biomedical Signal Processing and Control, 2018, 39, 486-502.	5.7	18

#	ARTICLE	IF	CITATIONS
19	A Variational Model for Image Artifact Correction Based on Wasserstein Distance. Lecture Notes in Computational Vision and Biomechanics, 2018, , 43-51.	0.5	0
20	Numerical solution of a time-space fractional Fokker Planck equation with variable force field and diffusion. Communications in Nonlinear Science and Numerical Simulation, 2017, 50, 211-228.	3.3	26
21	Second order approximations for kinetic and potential energies in Maxwell's wave equations. Applied Numerical Mathematics, 2017, 120, 125-140.	2.1	5
22	Dissimilarity Measure of Consecutive Frames in Wireless Capsule Endoscopy Videos: A Way of Searching for Abnormalities. , 2017, , .		1
23	Automated retina identification based on multiscale elastic registration. Computers in Biology and Medicine, 2016, 79, 130-143.	7.0	11
24	Smartphone application for emergency signal detection. Medical Engineering and Physics, 2016, 38, 1021-1027.	1.7	4
25	A Modified Lyzenga's Model for Multispectral Bathymetry Using Tikhonov Regularization. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 53-57.	3.1	30
26	An integro-differential model for non-Fickian tracer transport in porous media: validation and numerical simulation. Mathematical Methods in the Applied Sciences, 2016, 39, 4736-4749.	2.3	7
27	Simulation of cellular changes on Optical Coherence Tomography of human retina. , 2015, 2015, 8147-50.		5
28	Maxwell's equations based 3D model of light scattering in the retina. , 2015, , .		3
29	Detecting changes on coastal primary sand dunes using multi-temporal Landsat imagery. Proceedings of SPIE, 2014, , .	0.8	2
30	Monte Carlo simulation of diabetic macular edema changes on optical coherence tomography data. , 2014, , .		6
31	Supraconvergence and supercloseness in quasilinear coupled problems. Journal of Computational and Applied Mathematics, 2013, 252, 120-131.	2.0	9
32	Supraconvergence and supercloseness in Volterra equations. Applied Numerical Mathematics, 2012, 62, 1718-1739.	2.1	8
33	-second order convergent estimates for non-Fickian models. Applied Numerical Mathematics, 2011, 61, 201-215.	2.1	15