

LuÃ-s Pinto

List of Publications by Year in descending order

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papers

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35
all docs

35
docs citations

35
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping marine litter using UAS on a beach-dune system: a multidisciplinary approach. <i>Science of the Total Environment</i> , 2020, 706, 135742.	3.9	92
2	Mapping marine litter with Unmanned Aerial Systems: A showcase comparison among manual image screening and machine learning techniques. <i>Marine Pollution Bulletin</i> , 2020, 155, 111158.	2.3	48
3	Polyp detection with computer-aided diagnosis in white light colonoscopy: comparison of three different methods. <i>Endoscopy International Open</i> , 2019, 07, E209-E215.	0.9	34
4	Drones for litter mapping: An inter-operator concordance test in marking beached items on aerial images. <i>Marine Pollution Bulletin</i> , 2021, 169, 112542.	2.3	33
5	A Modified Lyzenga's Model for Multispectral Bathymetry Using Tikhonov Regularization. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 53-57.	1.4	30
6	Numerical solution of a time-space fractional Fokker Planck equation with variable force field and diffusion. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 50, 211-228.	1.7	26
7	Detecting stranded macro-litter categories on drone orthophoto by a multi-class Neural Network. <i>Marine Pollution Bulletin</i> , 2021, 169, 112594.	2.3	24
8	Hybrid multiscale affine and elastic image registration approach towards wireless capsule endoscope localization. <i>Biomedical Signal Processing and Control</i> , 2018, 39, 486-502.	3.5	18
9	-second order convergent estimates for non-Fickian models. <i>Applied Numerical Mathematics</i> , 2011, 61, 201-215.	1.2	15
10	Automated retina identification based on multiscale elastic registration. <i>Computers in Biology and Medicine</i> , 2016, 79, 130-143.	3.9	11
11	An improved Serre model: Efficient simulation and comparative evaluation. <i>Applied Mathematical Modelling</i> , 2018, 56, 404-423.	2.2	11
12	Non-Fickian convection-diffusion models in porous media. <i>Numerische Mathematik</i> , 2018, 138, 869-904.	0.9	11
13	Supraconvergence and supercloseness in quasilinear coupled problems. <i>Journal of Computational and Applied Mathematics</i> , 2013, 252, 120-131.	1.1	9
14	On the accurate simulation of nearshore and dam break problems involving dispersive breaking waves. <i>Wave Motion</i> , 2019, 85, 125-143.	1.0	9
15	Supraconvergence and supercloseness in Volterra equations. <i>Applied Numerical Mathematics</i> , 2012, 62, 1718-1739.	1.2	8
16	Approximating coupled hyperbolic-parabolic systems arising in enhanced drug delivery. <i>Computers and Mathematics With Applications</i> , 2018, 76, 81-97.	1.4	8
17	Drug delivery enhanced by ultrasound: Mathematical modeling and simulation. <i>Computers and Mathematics With Applications</i> , 2022, 107, 57-69.	1.4	8
18	An integro-differential model for non-Fickian tracer transport in porous media: validation and numerical simulation. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 4736-4749.	1.2	7

#	ARTICLE	IF	CITATIONS
19	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.	3.5	7
20	Monte Carlo simulation of diabetic macular edema changes on optical coherence tomography data. , 2014, , .		6
21	Simulation of cellular changes on Optical Coherence Tomography of human retina. , 2015, 2015, 8147-50.		5
22	Second order approximations for kinetic and potential energies in Maxwell's wave equations. Applied Numerical Mathematics, 2017, 120, 125-140.	1.2	5
23	Smartphone application for emergency signal detection. Medical Engineering and Physics, 2016, 38, 1021-1027.	0.8	4
24	Aging Effect on Iontophoretic Transdermal Drug Delivery. SIAM Journal on Applied Mathematics, 2020, 80, 1882-1907.	0.8	4
25	Fast colonic polyp detection using a Hamiltonâ€“Jacobi approach to non-dominated sorting. Biomedical Signal Processing and Control, 2020, 61, 102035.	3.5	4
26	Registration of Consecutive Frames From Wireless Capsule Endoscopy for 3D Motion Estimation. IEEE Access, 2021, 9, 119533-119545.	2.6	4
27	Maxwell's equations based 3D model of light scattering in the retina. , 2015, , .		3
28	Bank strategic asset allocation under a unified risk measure. Expert Systems With Applications, 2021, 185, 115574.	4.4	3
29	Detecting changes on coastal primary sand dunes using multi-temporal Landsat imagery. Proceedings of SPIE, 2014, , .	0.8	2
30	Numerical analysis of a porousâ€“elastic model for convection enhanced drug delivery. Journal of Computational and Applied Mathematics, 2022, 399, 113719.	1.1	2
31	Dissimilarity Measure of Consecutive Frames in Wireless Capsule Endoscopy Videos: A Way of Searching for Abnormalities. , 2017, , .		1
32	Positivity preserving schemes for the fractional Klein-Kramers equation with boundaries. Communications in Nonlinear Science and Numerical Simulation, 2020, 91, 105444.	1.7	0
33	A Variational Model for Image Artifact Correction Based on Wasserstein Distance. Lecture Notes in Computational Vision and Biomechanics, 2018, , 43-51.	0.5	0