

# Pedro Quelhas

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

608  
citations

933447

10  
h-index

677142

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1037  
citing authors

#	ARTICLE	IF	CITATIONS
1	MobilityAnalyser: A novel approach for automatic quantification of cell mobility on periodic patterned substrates using brightfield microscopy images. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 162, 61-67.	4.7	3
2	Rotary orbital suspension culture of embryonic stem cell-derived neural stem/progenitor cells: impact of hydrodynamic culture on aggregate yield, morphology and cell phenotype. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2227-2240.	2.7	5
3	Lymph Node Metastases in Papillary and Medullary Thyroid Carcinoma Are Independent of Intratumoral Lymphatic Vessel Density. <i>European Thyroid Journal</i> , 2017, 6, 57-64.	2.4	14
4	Three-dimensional culture of single embryonic stem-derived neural/stem progenitor cells in fibrin hydrogels: neuronal network formation and matrix remodelling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3494-3507.	2.7	28
5	Fibrin functionalization with synthetic adhesive ligands interacting with $\alpha_6\beta_1$ integrin receptor enhance neurite outgrowth of embryonic stem cell-derived neural stem/progenitors. <i>Acta Biomaterialia</i> , 2017, 59, 243-256.	8.3	20
6	Optimized Heart Sampling and Systematic Evaluation of Cardiac Therapies in Mouse Models of Ischemic Injury: Assessment of Cardiac Remodeling and Semi-Automated Quantification of Myocardial Infarct Size. <i>Current Protocols in Mouse Biology</i> , 2015, 5, 359-391.	1.2	3
7	Automatic Quantification of Cell Outgrowth from Neurospheres. <i>Lecture Notes in Computer Science</i> , 2013, , 141-148.	1.3	4
8	Multinuclear Cell Analysis Using Laplacian of Gaussian and Delaunay Graphs. <i>Lecture Notes in Computer Science</i> , 2013, , 441-449.	1.3	4
9	Automatic Spectral Unmixing of Leishmania Infection Macrophage Cell Cultures Image. <i>Lecture Notes in Computer Science</i> , 2013, , 621-629.	1.3	0
10	Gradient convergence filters and a phase congruency approach for in vivo cell nuclei detection. <i>Machine Vision and Applications</i> , 2012, 23, 623-638.	2.7	18
11	Automatic Assessment of Leishmania Infection Indexes on In Vitro Macrophage Cell Cultures. <i>Lecture Notes in Computer Science</i> , 2012, , 432-439.	1.3	6
12	Low frame rate cell tracking: A Delaunay graph matching approach. , 2011, , .		2
13	The <i>Arabidopsis</i> D-Type Cyclin CYCD2;1 and the Inhibitor ICK2/KRP2 Modulate Auxin-Induced Lateral Root Formation. <i>Plant Cell</i> , 2011, 23, 641-660.	6.6	111
14	<i>Arabidopsis Thaliana</i> Automatic Cell File Detection and Cell Length Estimation. <i>Lecture Notes in Computer Science</i> , 2011, , 1-11.	1.3	5
15	MIQuant - Semi-Automation of Infarct Size Assessment in Models of Cardiac Ischemic Injury. <i>PLoS ONE</i> , 2011, 6, e25045.	2.5	42
16	Automatic and Semi-automatic Analysis of the Extension of Myocardial Infarction in an Experimental Murine Model. <i>Lecture Notes in Computer Science</i> , 2011, , 151-158.	1.3	2
17	Cell Nuclei and Cytoplasm Joint Segmentation Using the Sliding Band Filter. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1463-1473.	8.9	91
18	3D Cell Nuclei Fluorescence Quantification Using Sliding Band Filter. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	Optical Flow Based Arabidopsis Thaliana Root Meristem Cell Division Detection. Lecture Notes in Computer Science, 2010, , 217-226.	1.3	13
20	Contextual Classification of Image Patches with Latent Aspect Models. Eurasip Journal on Image and Video Processing, 2009, 2009, 1-20.	2.6	4
21	Evaluation of Symmetry Enhanced Sliding Band Filter for Plant Cell Nuclei Detection in Low Contrast Noisy Fluorescent Images. Lecture Notes in Computer Science, 2009, , 824-831.	1.3	5
22	Automated Arabidopsis plant root cell segmentation based on SVM classification and region merging. Computers in Biology and Medicine, 2009, 39, 785-793.	7.0	32
23	Cancer cell detection and invasion depth estimation in brightfield images. , 2009, , .		6
24	Tracking of Arabidopsis thaliana root cells in time-lapse microscopy. , 2008, , .		3
25	Automatic cell segmentation from confocal microscopy images of the Arabidopsis root. , 2008, , .		9
26	A Thousand Words in a Scene. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1575-1589.	13.9	164