RaphaÃ«l MarÃ©e

List of Publications by Year
in descending order

42	1,513	393982	344852
papers	citations	19 h-index	36 g-index

45	45	45	2465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-Task Pre-Training of Deep Neural Networks for Digital Pathology. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 412-421.	3.9	26
2	Bioimage analysis workflows: community resources to navigate through a complex ecosystem. F1000Research, 2021, 10, 320.	0.8	12
3	Deep Learning Approaches for Head and Operculum Segmentation in Zebrafish Microscopy Images. Lecture Notes in Computer Science, 2021, , 154-164.	1.0	1
4	BIAFLOWS: A Collaborative Framework to Reproducibly Deploy and Benchmark Bioimage Analysis Workflows. Patterns, 2020, 1, 100040.	3.1	25
5	Ozone-primed neutrophils promote early steps of tumour cell metastasis to lungs by enhancing their NET production. Thorax, 2019, 74, 768-779.	2.7	20
6	Open Practices and Resources for Collaborative Digital Pathology. Frontiers in Medicine, 2019, 6, 255.	1.2	10
7	Cytomine: Toward an Open and Collaborative Software Platform for Digital Pathology Bridged to Molecular Investigations. Proteomics - Clinical Applications, 2019, 13, e1800057.	0.8	23
8	Landmark detection in 2D bioimages for geometric morphometrics: a multi-resolution tree-based approach. Scientific Reports, 2018, 8, 538.	1.6	34
9	Human Wharton's Jelly-Derived Stem Cells Display a Distinct Immunomodulatory and Proregenerative Transcriptional Signature Compared to Bone Marrow-Derived Stem Cells. Stem Cells and Development, 2018, 27, 65-84.	1.1	81
10	Comparison of Deep Transfer Learning Strategies for Digital Pathology. , 2018, , .		70
11	Inflammation-Generated Extracellular Matrix Fragments Drive Lung Metastasis. Cancer Growth and Metastasis, 2017, 10, 117906441774553.	3.5	13
12	The Need for Careful Data Collection for Pattern Recognition in Digital Pathology. Journal of Pathology Informatics, 2017, 8, 19.	0.8	21
13	Automated Multimodal Volume Registration based on Supervised 3D Anatomical Landmark Detection. , 2017, , .		1
14	Collaborative analysis of multi-gigapixel imaging data using Cytomine. Bioinformatics, 2016, 32, 1395-1401.	1.8	140
15	Towards generic image classification using tree-based learning: An extensive empirical study. Pattern Recognition Letters, 2016, 74, 17-23.	2.6	12
16	Evaluation of BRCA1-related molecular features and microRNAs as prognostic factors for triple negative breast cancers. BMC Cancer, 2015, 15, 755.	1.1	17
17	Zebrafish Bone and General Physiology Are Differently Affected by Hormones or Changes in Gravity. PLoS ONE, 2015, 10, e0126928.	1.1	74
18	Evaluation and Comparison of Anatomical Landmark Detection Methods for Cephalometric X-Ray Images: A Grand Challenge. IEEE Transactions on Medical Imaging, 2015, 34, 1890-1900.	5.4	135

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19	Phenotype Classification of Zebrafish Embryos by Supervised Learning. PLoS ONE, 2015, 10, e0116989.	1.1	43
20	The timing of surgery after neoadjuvant radiotherapy influences tumor dissemination in a preclinical model. Oncotarget, 2015, 6, 36825-36837.	0.8	7
21	Activation of the calcium-sensing receptor before renal ischemia/reperfusion exacerbates kidney injury. American Journal of Translational Research (discontinued), 2015, 7, 128-38.	0.0	11
22	A hybrid human-computer approach for large-scale image-based measurements using web services and machine learning. , 2014, , .		5
23	Evaluation of CellSolutions BestPrepÂ® Automated Thin-Layer Liquid-Based Cytology Papanicolaou Slide Preparation and BestCyteÂ® Cell Sorter Imaging System. Acta Cytologica, 2014, 58, 469-477.	0.7	18
24	A rich internet application for remote visualization and collaborative annotation of digital slides in histology and cytology. Diagnostic Pathology, 2013, 8, .	0.9	18
25	Automated Processing of Zebrafish Imaging Data: A Survey. Zebrafish, 2013, 10, 401-421.	0.5	73
26	Identification of protein biomarkers associated with cardiac ischemia by a proteomic approach. Biomarkers, 2013, 18, 614-624.	0.9	2
27	High-density lipoprotein proteome dynamics in human endotoxemia. Proteome Science, 2011, 9, 34.	0.7	32
28	Discovery and biochemical characterisation of four novel biomarkers for osteoarthritis. Annals of the Rheumatic Diseases, 2011, 70, 1144-1152.	0.5	43
29	Automatic Localization of Interest Points in Zebrafish Images with Tree-Based Methods. Lecture Notes in Computer Science, 2011, , 179-190.	1.0	12
30	Oligodendrocyte development and myelinogenesis are not impaired by high concentrations of phenylalanine or its metabolites. Journal of Inherited Metabolic Disease, 2010, 33, 113-120.	1.7	16
31	Robust automatic target recognition using extra-trees. , 2010, , .		5
32	Incremental indexing and distributed image search using shared randomized vocabularies. , 2010, , .		13
33	P2X1 Ion Channels Promote Neutrophil Chemotaxis through Rho Kinase Activation. Journal of Immunology, 2009, 183, 2801-2809.	0.4	84
34	Biomarker discovery in asthmaâ€related inflammation and remodeling. Proteomics, 2009, 9, 2163-2170.	1.3	30
35	Content-based Image Retrieval by Indexing Random Subwindows with Randomized Trees. IPSJ Transactions on Computer Vision and Applications, 2009, 1, 46-57.	4.4	6
36	A machine learning approach for material detection in hyperspectral images. , 2009, , .		1

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37	Proteomics for prediction and characterization of response to infliximab in Crohn's disease: A pilot study. Clinical Biochemistry, 2008, 41, 960-967.	0.8	64
38	A novel formulation of inhaled doxycycline reduces allergen-induced inflammation, hyperresponsiveness and remodeling by matrix metalloproteinases and cytokines modulation in a mouse model of asthma. Biochemical Pharmacology, 2008, 75, 514-526.	2.0	57
39	Monomeric Calgranulins Measured by SELDI-TOF Mass Spectrometry and Calprotectin Measured by ELISA as Biomarkers in Arthritis. Clinical Chemistry, 2008, 54, 1066-1075.	1.5	85
40	PREDetector: A new tool to identify regulatory elements in bacterial genomes. Biochemical and Biophysical Research Communications, 2007, 357, 861-864.	1.0	97
41	Random subwindows and extremely randomized trees for image classification in cell biology. BMC Cell Biology, 2007, 8, S2.	3.0	37
42	Biomedical Image Classification with Random Subwindows and Decision Trees. Lecture Notes in Computer Science, 2005, , 220-229.	1.0	21