

Raphaël Maréchal

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,513
citations

393982

19
h-index

344852

36
g-index

45
all docs

45
docs citations

45
times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	Collaborative analysis of multi-gigapixel imaging data using Cytomine. <i>Bioinformatics</i> , 2016, 32, 1395-1401.	1.8	140
2	Evaluation and Comparison of Anatomical Landmark Detection Methods for Cephalometric X-Ray Images: A Grand Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1890-1900.	5.4	135
3	PREDetector: A new tool to identify regulatory elements in bacterial genomes. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 861-864.	1.0	97
4	Monomeric Calgranulins Measured by SELDI-TOF Mass Spectrometry and Calprotectin Measured by ELISA as Biomarkers in Arthritis. <i>Clinical Chemistry</i> , 2008, 54, 1066-1075.	1.5	85
5	P2X1 Ion Channels Promote Neutrophil Chemotaxis through Rho Kinase Activation. <i>Journal of Immunology</i> , 2009, 183, 2801-2809.	0.4	84
6	Human Wharton's Jelly-Derived Stem Cells Display a Distinct Immunomodulatory and Proregenerative Transcriptional Signature Compared to Bone Marrow-Derived Stem Cells. <i>Stem Cells and Development</i> , 2018, 27, 65-84.	1.1	81
7	Zebrafish Bone and General Physiology Are Differently Affected by Hormones or Changes in Gravity. <i>PLoS ONE</i> , 2015, 10, e0126928.	1.1	74
8	Automated Processing of Zebrafish Imaging Data: A Survey. <i>Zebrafish</i> , 2013, 10, 401-421.	0.5	73
9	Comparison of Deep Transfer Learning Strategies for Digital Pathology. , 2018, , .		70
10	Proteomics for prediction and characterization of response to infliximab in Crohn's disease: A pilot study. <i>Clinical Biochemistry</i> , 2008, 41, 960-967.	0.8	64
11	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. <i>Biochemical Pharmacology</i> , 2008, 75, 514-526.	2.0	57
12	Discovery and biochemical characterisation of four novel biomarkers for osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 1144-1152.	0.5	43
13	Phenotype Classification of Zebrafish Embryos by Supervised Learning. <i>PLoS ONE</i> , 2015, 10, e0116989.	1.1	43
14	Random subwindows and extremely randomized trees for image classification in cell biology. <i>BMC Cell Biology</i> , 2007, 8, S2.	3.0	37
15	Landmark detection in 2D bioimages for geometric morphometrics: a multi-resolution tree-based approach. <i>Scientific Reports</i> , 2018, 8, 538.	1.6	34
16	High-density lipoprotein proteome dynamics in human endotoxemia. <i>Proteome Science</i> , 2011, 9, 34.	0.7	32
17	Biomarker discovery in asthma-related inflammation and remodeling. <i>Proteomics</i> , 2009, 9, 2163-2170.	1.3	30
18	Multi-Task Pre-Training of Deep Neural Networks for Digital Pathology. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 412-421.	3.9	26

#	ARTICLE	IF	CITATIONS
19	BIAFLOWS: A Collaborative Framework to Reproducibly Deploy and Benchmark Bioimage Analysis Workflows. <i>Patterns</i> , 2020, 1, 100040.	3.1	25
20	Cytomine: Toward an Open and Collaborative Software Platform for Digital Pathology Bridged to Molecular Investigations. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800057.	0.8	23
21	Biomedical Image Classification with Random Subwindows and Decision Trees. <i>Lecture Notes in Computer Science</i> , 2005, , 220-229.	1.0	21
22	The Need for Careful Data Collection for Pattern Recognition in Digital Pathology. <i>Journal of Pathology Informatics</i> , 2017, 8, 19.	0.8	21
23	Ozone-primed neutrophils promote early steps of tumour cell metastasis to lungs by enhancing their NET production. <i>Thorax</i> , 2019, 74, 768-779.	2.7	20
24	A rich internet application for remote visualization and collaborative annotation of digital slides in histology and cytology. <i>Diagnostic Pathology</i> , 2013, 8, .	0.9	18
25	Evaluation of CellSolutions BestPrep [®] Automated Thin-Layer Liquid-Based Cytology Papanicolaou Slide Preparation and BestCyte [®] Cell Sorter Imaging System. <i>Acta Cytologica</i> , 2014, 58, 469-477.	0.7	18
26	Evaluation of BRCA1-related molecular features and microRNAs as prognostic factors for triple negative breast cancers. <i>BMC Cancer</i> , 2015, 15, 755.	1.1	17
27	Oligodendrocyte development and myelinogenesis are not impaired by high concentrations of phenylalanine or its metabolites. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 113-120.	1.7	16
28	Incremental indexing and distributed image search using shared randomized vocabularies. , 2010, , .		13
29	Inflammation-Generated Extracellular Matrix Fragments Drive Lung Metastasis. <i>Cancer Growth and Metastasis</i> , 2017, 10, 117906441774553.	3.5	13
30	Towards generic image classification using tree-based learning: An extensive empirical study. <i>Pattern Recognition Letters</i> , 2016, 74, 17-23.	2.6	12
31	Bioimage analysis workflows: community resources to navigate through a complex ecosystem. <i>F1000Research</i> , 2021, 10, 320.	0.8	12
32	Automatic Localization of Interest Points in Zebrafish Images with Tree-Based Methods. <i>Lecture Notes in Computer Science</i> , 2011, , 179-190.	1.0	12
33	Activation of the calcium-sensing receptor before renal ischemia/reperfusion exacerbates kidney injury. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 128-38.	0.0	11
34	Open Practices and Resources for Collaborative Digital Pathology. <i>Frontiers in Medicine</i> , 2019, 6, 255.	1.2	10
35	The timing of surgery after neoadjuvant radiotherapy influences tumor dissemination in a preclinical model. <i>Oncotarget</i> , 2015, 6, 36825-36837.	0.8	7
36	Content-based Image Retrieval by Indexing Random Subwindows with Randomized Trees. <i>IPSJ Transactions on Computer Vision and Applications</i> , 2009, 1, 46-57.	4.4	6

#	ARTICLE	IF	CITATIONS
37	Robust automatic target recognition using extra-trees. , 2010, , .		5
38	A hybrid human-computer approach for large-scale image-based measurements using web services and machine learning. , 2014, , .		5
39	Identification of protein biomarkers associated with cardiac ischemia by a proteomic approach. Biomarkers, 2013, 18, 614-624.	0.9	2
40	A machine learning approach for material detection in hyperspectral images. , 2009, , .		1
41	Automated Multimodal Volume Registration based on Supervised 3D Anatomical Landmark Detection. , 2017, , .		1
42	Deep Learning Approaches for Head and Operculum Segmentation in Zebrafish Microscopy Images. Lecture Notes in Computer Science, 2021, , 154-164.	1.0	1