

# Daniel Racoceanu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6900822/publications.pdf>

Version: 2024-02-01

86  
papers

4,402  
citations

471061

17  
h-index

315357

38  
g-index

89  
all docs

89  
docs citations

89  
times ranked

5872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	3.8	2,003
2	Methods for Nuclei Detection, Segmentation, and Classification in Digital Histopathology: A Review—Current Status and Future Potential. IEEE Reviews in Biomedical Engineering, 2014, 7, 97-114.	13.1	526
3	Gland segmentation in colon histology images: The glas challenge contest. Medical Image Analysis, 2017, 35, 489-502.	7.0	516
4	Mitosis detection in breast cancer histological images An ICPR 2012 contest. Journal of Pathology Informatics, 2013, 4, 8.	0.8	205
5	Efficient deep learning model for mitosis detection using breast histopathology images. Computerized Medical Imaging and Graphics, 2018, 64, 29-40.	3.5	148
6	Deep Learning in the Biomedical Applications: Recent and Future Status. Applied Sciences (Switzerland), 2019, 9, 1526.	1.3	120
7	Recurrent radial basis function network for time-series prediction. Engineering Applications of Artificial Intelligence, 2003, 16, 453-463.	4.3	95
8	Automated mitosis detection using texture, SIFT features and HMAX biologically inspired approach. Journal of Pathology Informatics, 2013, 4, 12.	0.8	75
9	Fusing visual and clinical information for lung tissue classification in high-resolution computed tomography. Artificial Intelligence in Medicine, 2010, 50, 13-21.	3.8	71
10	Automatic breast cancer grading of histopathological images. , 2008, 2008, 3052-5.		63
11	Time-efficient sparse analysis of histopathological whole slide images. Computerized Medical Imaging and Graphics, 2011, 35, 579-591.	3.5	57
12	Best Practice Recommendations for the Implementation of a Digital Pathology Workflow in the Anatomic Pathology Laboratory by the European Society of Digital and Integrative Pathology (ESDIP). Diagnostics, 2021, 11, 2167.	1.3	51
13	New Trends to Support Independence in Persons with Mild Dementia — A Mini-Review. Gerontology, 2012, 58, 554-563.	1.4	47
14	Deep Learning for Semantic Segmentation vs. Classification in Computational Pathology: Application to Mitosis Analysis in Breast Cancer Grading. Frontiers in Bioengineering and Biotechnology, 2019, 7, 145.	2.0	45
15	Multispectral band selection and spatial characterization: Application to mitosis detection in breast cancer histopathology. Computerized Medical Imaging and Graphics, 2014, 38, 390-402.	3.5	30
16	Point set morphological filtering and semantic spatial configuration modeling: Application to microscopic image and bio-structure analysis. Pattern Recognition, 2012, 45, 2894-2911.	5.1	25
17	Knowledge-Guided Semantic Indexing of Breast Cancer Histopathology Images. , 2008, , .		24
18	A neuro-fuzzy monitoring system. Computers in Industry, 2006, 57, 528-538.	5.7	21

#	ARTICLE	IF	CITATIONS
19	Unsupervised dense crowd detection by multiscale texture analysis. Pattern Recognition Letters, 2014, 44, 126-133.	2.6	21
20	Multi-channels statistical and morphological features based mitosis detection in breast cancer histopathology. , 2013, 2013, 6091-4.		19
21	Comparison of semi-automated and manual methods to measure the volume of prostate cancer on magnetic resonance imaging. Diagnostic and Interventional Imaging, 2017, 98, 423-428.	1.8	17
22	Reconstructing neuronal morphology from microscopy stacks using fast marching. , 2014, , .		16
23	Neurite Tracing With Object Process. IEEE Transactions on Medical Imaging, 2016, 35, 1443-1451.	5.4	15
24	Towards semantic-driven high-content image analysis: An operational instantiation for mitosis detection in digital histopathology. Computerized Medical Imaging and Graphics, 2015, 42, 2-15.	3.5	13
25	Automatic Area Classification in Peripheral Blood Smears. IEEE Transactions on Biomedical Engineering, 2010, 57, 1982-1990.	2.5	11
26	Weakly Supervised Framework for Cancer Region Detection of Hepatocellular Carcinoma in Whole-Slide Pathologic Images Based on Multiscale Attention Convolutional Neural Network. American Journal of Pathology, 2022, 192, 553-563.	1.9	11
27	Online 3-D Tracking of Suspension Living Cells Imaged with Phase-Contrast Microscopy. IEEE Transactions on Biomedical Engineering, 2012, 59, 1924-1933.	2.5	10
28	Fuzzy Petri nets for monitoring and recovery. , 0, , .		9
29	Nuclei extraction from histopathological images using a marked point process approach. Proceedings of SPIE, 2012, , .	0.8	9
30	Corn classification using Deep Learning with UAV imagery. An operational proof of concept. , 2018, , .		8
31	A Semantic Fusion Approach Between Medical Images and Reports Using UMLS. Lecture Notes in Computer Science, 2006, , 460-475.	1.0	7
32	Inter-media Concept-Based Medical Image Indexing and Retrieval with UMLS at IPAL. Lecture Notes in Computer Science, 2007, , 694-701.	1.0	7
33	A cognitive virtual microscopic framework for knowledge-based exploration of large microscopic images in breast cancer histopathology. , 2009, 2009, 3697-702.		6
34	Improved marked point process priors for single neurite tracing. , 2014, , .		6
35	Spectral band selection for mitosis detection in histopathology. , 2014, , .		6
36	Semantic Integrative Digital Pathology: Insights into Microsemiological Semantics and Image Analysis Scalability. Pathobiology, 2016, 83, 148-155.	1.9	6

#	ARTICLE	IF	CITATIONS
37	Ontology for fMRI as a Biomedical Informatics Method. Magnetic Resonance in Medical Sciences, 2008, 7, 141-155.	1.1	5
38	An Exploration Scheme for Large Images: Application to Breast Cancer Grading. , 2010, , .		5
39	SVM-based Framework for the Robust Extraction of Objects from Histopathological Images Using Color, Texture, Scale and Geometry. , 2012, , .		5
40	RÃ©seaux de neurones rÃ©currents Ã© fonctions de base radiales : RRFR Application au pronostic. Revue D'Intelligence Artificielle, 2002, 16, 307-338.	0.5	5
41	A Stochastic Model for Automatic Extraction of 3D Neuronal Morphology. Lecture Notes in Computer Science, 2013, 16, 396-403.	1.0	5
42	Modular modeling and analysis of a distributed production system with distant specialised maintenance. , 0, , .		4
43	Automatic working area classification in peripheral blood smears without cell central zone extraction. , 2008, 2008, 4074-7.		4
44	Automatic working area classification in peripheral blood smears using spatial distribution features across scales. , 2008, , .		4
45	Bio-inspired computer visual system using GPU and Visual Pattern Assessment Language (ViPAL): Application on breast cancer prognosis. , 2010, , .		4
46	Tau protein discrete aggregates in Alzheimer's disease: neuritic plaques and tangles detection and segmentation using computational histopathology. , 2022, , .		4
47	Incorporating Prior-Knowledge in Support Vector Machines by Kernel Adaptation. , 2011, , .		3
48	A structure-based approach for colon gland segmentation in digital pathology. , 2016, , .		3
49	Innovative Deep Learning Approach for Biomedical Data Instantiation and Visualization. , 2021, , 171-196.		3
50	The use of the medical ontology for a semantic-based fusion system in biomedical informatics Application to Alzheimer disease. , 2008, , .		2
51	Spatial relationships over sparse representations. , 2009, , .		2
52	Spatial representation and reasoning in breast cancer grading ontology. , 2010, , .		2
53	Utilisation des rÃ©seaux de neurones temporels pour le pronostic et la surveillance dynamique. Etude comparative de trois rÃ©seaux de neurones rÃ©currents. Revue D'Intelligence Artificielle, 2005, 19, 913-950.	0.5	2
54	Stripe: Image Feature Based on a New Grid Method and Its Application in ImageCLEF. Lecture Notes in Computer Science, 2006, , 489-496.	1.0	2

#	ARTICLE	IF	CITATIONS
55	AN UML MODELLING OF A NEURO-FUZZY MONITORING SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 305-310.	0.4	1
56	Training the Recurrent neural network by the Fuzzy Min-Max algorithm for fault prediction. , 2009, , .		1
57	Cell Clumping Quantification and Automatic Area Classification in Peripheral Blood Smear Images. , 2009, , .		1
58	Support Vector Methods for Sentence Level Machine Translation Evaluation. , 2010, , .		1
59	Consciousness-driven model for visual attention. , 2011, , .		1
60	Cognitive virtual microscopy: a cognition-driven visual explorer for histopathology – the MICO ANR TecSan 2010 initiative. BMC Proceedings, 2011, 5, .	1.8	1
61	pRBF Kernels: A Framework for the Incorporation of Task-Specific Properties into Support Vector Methods. , 2012, , .		1
62	Neurosphere fate prediction: An analysis-synthesis approach for feature extraction. , 2012, , .		1
63	Automated high-grade prostate cancer detection and ranking on whole slide images. , 2017, , .		1
64	A model of tumor architecture and spatial interactions with tumor microenvironment in breast carcinoma. , 2017, , .		1
65	Notice of Removal: Relating quantitative ultrasound parameters to histologic texture parameters in cancerous human lymph nodes. , 2017, , .		1
66	Semantic knowledge for histopathological image analysis: from ontologies to processing portals and deep learning. , 2017, , .		1
67	Classification of prostate cancer based on clinical and omics data using neural networks techniques to improve prognostic power.. Journal of Clinical Oncology, 2019, 37, e16569-e16569.	0.8	1
68	Réseaux de neurones à fonctions de base radiales. Application à la surveillance dynamique. Journal European Des Systemes Automatises, 2003, 37, 49-81.	0.3	1
69	Prostate cancer: computer-aided diagnosis on multiparametric MRI. , 2017, , .		1
70	A Petri nets graphic method of reduction using birth-death processes. , 0, , .		0
71	From the spherical to an elliptic form of the dynamic RBF neural network influence field. , 0, , .		0
72	Monitoring Approach Using Recurrent Radial Basis Function Neural Networks and Neuro-Fuzzy Systems. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	Finding Image Structure by Hierarchal Segmentation. , 2007, , .		0
74	A Preliminary Study of Medical Image Distributed Intelligent Access Integrated with Electronic Medical Records System for Brain Degenerative Disease. , 2007, , .		0
75	A Cellular Neural Network as a Principal Component Analyzer. , 2009, , .		0
76	Predictive modelling of the monitoring function. A predictive modelling application for fault states in a manufacturing system. , 2009, , .		0
77	Toward translational incremental similarity-based reasoning in breast cancer grading. Proceedings of SPIE, 2009, , .	0.8	0
78	An analysis-synthesis approach for neurosphere modelisation under phase-contrast microscopy. , 2013, 2013, 3989-92.		0
79	Resource-Centered Distributed Processing of Large Histopathology Images. , 2016, , .		0
80	Spatial interaction analysis with graph based mathematical morphology for histopathology. , 2017, , .		0
81	Preface. Computerized Medical Imaging and Graphics, 2017, 61, 1.	3.5	0
82	Corn Crops Identification Using Multispectral Images from Unmanned Aircraft Systems. , 2021, , .		0
83	Parkinson's disease prediction using diffusion-based atlas approach. , 2010, , .		0
84	Parkinson's Disease Diagnosis and Prognosis Using Diffusion Tensor Medical Imaging Features Fusion. , 0, , .		0
85	Statistically Representative Cloud of Particles for Crowd Flow Tracking. Lecture Notes in Computer Science, 2015, , 237-251.	1.0	0
86	Tumor angiogenesis assessment using multi-fluorescent scans on murine slices by Markov random field framework. , 2017, , .		0