Nikos Paragios

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7021994/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Deformable Medical Image Registration: A Survey. IEEE Transactions on Medical Imaging, 2013, 32, 1153-1190.	8.9	1,094
2	A radiomics approach to assess tumour-infiltrating CD8 cells and response to anti-PD-1 or anti-PD-L1 immunotherapy: an imaging biomarker, retrospective multicohort study. Lancet Oncology, The, 2018, 19, 1180-1191.	10.7	811
3	Geodesic Active Regions and Level Set Methods for Supervised Texture Segmentation. International Journal of Computer Vision, 2002, 46, 223-247.	15.6	638
4	Evaluation of Registration Methods on Thoracic CT: The EMPIRE10 Challenge. IEEE Transactions on Medical Imaging, 2011, 30, 1901-1920.	8.9	363
5	Dense image registration through MRFs and efficient linear programming. Medical Image Analysis, 2008, 12, 731-741.	11.6	344
6	DRAMMS: Deformable registration via attribute matching and mutual-saliency weighting. Medical Image Analysis, 2011, 15, 622-639.	11.6	335
7	Geodesic Active Regions: A New Framework to Deal with Frame Partition Problems in Computer Vision. Journal of Visual Communication and Image Representation, 2002, 13, 249-268.	2.8	323
8	A level set approach for shape-driven segmentation and tracking of the left ventricle. IEEE Transactions on Medical Imaging, 2003, 22, 773-776.	8.9	292
9	Model-Based 3D Hand Pose Estimation from Monocular Video. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1793-1805.	13.9	212
10	Shape registration in implicit spaces using information theory and free form deformations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1303-1318.	13.9	178
11	Deformable Medical Image Registration: Setting the State of the Art with Discrete Methods. Annual Review of Biomedical Engineering, 2011, 13, 219-244.	12.3	163
12	Markov Random Field modeling, inference & learning in computer vision & image understanding: A survey. Computer Vision and Image Understanding, 2013, 117, 1610-1627.	4.7	163
13	Performance vs computational efficiency for optimizing single and dynamic MRFs: Setting the state of the art with primal-dual strategies. Computer Vision and Image Understanding, 2008, 112, 14-29.	4.7	143
14	A Variational Approach for the Segmentation of the Left Ventricle in Cardiac Image Analysis. International Journal of Computer Vision, 2002, 50, 345-362.	15.6	132
15	Geodesic active regions and level set methods for motion estimation and tracking. Computer Vision and Image Understanding, 2005, 97, 259-282.	4.7	124
16	Slice-to-volume medical image registration: A survey. Medical Image Analysis, 2017, 39, 101-123.	11.6	123
17	Non-rigid registration using distance functions. Computer Vision and Image Understanding, 2003, 89, 142-165.	4.7	119
18	Artificial intelligence applications for thoracic imaging. European Journal of Radiology, 2020, 123, 108774.	2.6	115

NIKOS PARAGIOS

#	Article	IF	CITATIONS
19	Al-driven quantification, staging and outcome prediction of COVID-19 pneumonia. Medical Image Analysis, 2021, 67, 101860.	11.6	111
20	Demystification of Al-driven medical image interpretation: past, present and future. European Radiology, 2019, 29, 1616-1624.	4.5	100
21	Prior Knowledge, Level Set Representations & Visual Grouping. International Journal of Computer Vision, 2008, 76, 231-243.	15.6	95
22	Spine Segmentation in Medical Images Using Manifold Embeddings and Higher-Order MRFs. IEEE Transactions on Medical Imaging, 2013, 32, 1227-1238.	8.9	70
23	EnzyNet: enzyme classification using 3D convolutional neural networks on spatial representation. PeerJ, 2018, 6, e4750.	2.0	61
24	A Probabilistic Atlas of Diffuse WHO Grade II Glioma Locations in the Brain. PLoS ONE, 2016, 11, e0144200.	2.5	55
25	Automatic inference of articulated spine models in CT images using high-order Markov Random Fields. Medical Image Analysis, 2011, 15, 426-437.	11.6	50
26	Deep learning: definition and perspectives for thoracic imaging. European Radiology, 2020, 30, 2021-2030.	4.5	46
27	Scene modeling and change detection in dynamic scenes: A subspace approach. Computer Vision and Image Understanding, 2009, 113, 63-79.	4.7	39
28	Linear intensity-based image registration by Markov random fields and discrete optimization. Medical Image Analysis, 2010, 14, 550-562.	11.6	38
29	Large-Scale Building Reconstruction Through Information Fusion and 3-D Priors. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2283-2296.	6.3	36
30	Learning Grammars for Architecture-Specific Facade Parsing. International Journal of Computer Vision, 2016, 117, 290-316.	15.6	34
31	Concurrent tumor segmentation and registration with uncertainty-based sparse non-uniform graphs. Medical Image Analysis, 2014, 18, 647-659.	11.6	32
32	Deep Learning–based Approach for Automated Assessment of Interstitial Lung Disease in Systemic Sclerosis on CT Images. Radiology: Artificial Intelligence, 2020, 2, e190006.	5.8	32
33	Random Exploration of the Procedural Space for Single-View 3D Modeling of Buildings. International Journal of Computer Vision, 2011, 93, 253-271.	15.6	28
34	Elastic Registration–driven Deep Learning for Longitudinal Assessment of Systemic Sclerosis Interstitial Lung Disease at CT. Radiology, 2021, 298, 189-198.	7.3	28
35	Automatic single- and multi-label enzymatic function prediction by machine learning. PeerJ, 2017, 5, e3095.	2.0	27
36	A variational approach to monocular hand-pose estimation. Computer Vision and Image Understanding, 2010, 114, 363-372.	4.7	18

NIKOS PARAGIOS

#	Article	IF	CITATIONS
37	Use of Elastic Registration in Pulmonary MRI for the Assessment of Pulmonary Fibrosis in Patients with Systemic Sclerosis. Radiology, 2019, 291, 487-492.	7.3	18
38	An automated computed tomography score for the cystic fibrosis lung. European Radiology, 2018, 28, 5111-5120.	4.5	16
39	(Hyper)-graphical models in biomedical image analysis. Medical Image Analysis, 2016, 33, 102-106.	11.6	14
40	Deep learning for lung disease segmentation on CT: Which reconstruction kernel should be used?. Diagnostic and Interventional Imaging, 2021, 102, 691-695.	3.2	14
41	A Discrete MRF Framework for Integrated Multi-Atlas Registration and Segmentation. International Journal of Computer Vision, 2017, 121, 169-181.	15.6	13
42	Slice-to-volume deformable registration: efficient one-shot consensus between plane selection and in-plane deformation. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 791-800.	2.8	12
43	Learning deformation and structure simultaneously: In situ endograft deformation analysis. Medical Image Analysis, 2011, 15, 12-21.	11.6	10
44	Deformable Registration Through Learning of Context-Specific Metric Aggregation. Lecture Notes in Computer Science, 2017, , 256-265.	1.3	10
45	Compressedâ€sensingâ€based contentâ€driven hierarchical reconstruction: Theory and application to Câ€arm coneâ€beam tomography. Medical Physics, 2015, 42, 5222-5237.	3.0	9
46	Cooperative Object Segmentation and Behavior Inference inÂlmage Sequences. International Journal of Computer Vision, 2009, 84, 146-162.	15.6	7
47	(Hyper)-Graphs Inference through Convex Relaxations and Move Making Algorithms: Contributions and Applications in Artificial Vision. Foundations and Trends in Computer Graphics and Vision, 2016, 10, 1-102.	4.5	5
48	Graph-Based Slice-to-Volume Deformable Registration. International Journal of Computer Vision, 2018, 126, 36-58.	15.6	4
49	Quantification of Cystic Fibrosis Lung Disease with Radiomics-based CT Scores. Radiology: Cardiothoracic Imaging, 2020, 2, e200022.	2.5	4
50	Guest Editors' Introduction: Special Section on Higher Order Graphical Models in Computer Vision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1321-1322.	13.9	2
51	Joint Deformable Image Registration and ADC Map Regularization: Application to DWI-Based Lymphoma Classification. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3151-3162.	6.3	1
52	Guest Editorial: Special Issue on Variational and Level Set Methods in Computer Vision. International Journal of Computer Vision, 2002, 50, 235-235.	15.6	0
53	Editorial: Special Issue on Vision and Medical Imaging Activities at Siemens Corporate Research. International Journal of Computer Vision, 2006, 70, 107-108.	15.6	0
54	State of the Journal. Computer Vision and Image Understanding, 2016, 147, 1-2.	4.7	0

#	Article	IF	CITATIONS
55	Tighter continuous relaxations for MAP inference in discrete MRFs: A survey. Handbook of Numerical Analysis, 2019, 20, 351-400.	1.8	0
56	Spatio-temporal speckle reduction in ultrasound sequences. Inverse Problems and Imaging, 2010, 4, 211-222.	1.1	0