

# Josef Pauli

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

563  
citations

1162889

8  
h-index

752573

20  
g-index

64  
all docs

64  
docs citations

64  
times ranked

425  
citing authors

#	ARTICLE	IF	CITATIONS
1	CHAOS Challenge - combined (CT-MR) healthy abdominal organ segmentation. Medical Image Analysis, 2021, 69, 101950.	7.0	309
2	A novel multi-lane detection and tracking system. , 2012, , .		51
3	Time to contact estimation using interest points. , 2009, , .		21
4	Learning to Recognize and Grasp Objects. Machine Learning, 1998, 31, 239-258.	3.4	12
5	Vision-based integrated system for object inspection and handling. Robotics and Autonomous Systems, 2001, 37, 297-309.	3.0	12
6	A generic video and radar data fusion system for improved target selection. , 2011, , .		11
7	Unsupervised Recognition of ADLs. Lecture Notes in Computer Science, 2010, , 71-80.	1.0	11
8	Fully automatic extraction of human spine curve from MR images using methods of efficient intervertebral disk extraction and vertebra registration. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 21-33.	1.7	8
9	An automatic online camera calibration system for vehicular applications. , 2014, , .		8
10	Probabilistic distance estimation for vehicle tracking application in monocular vision. , 2016, , .		8
11	Graph-Based and Variational Minimization of Statistical Cost Functionals for 3D Segmentation of Aortic Dissections. Lecture Notes in Computer Science, 2014, , 511-522.	1.0	8
12	Perceptual organization with image formation compatibilities. Pattern Recognition Letters, 2002, 23, 803-817.	2.6	7
13	Adaptive anomaly detection within near-regular milling textures. , 2013, , .		5
14	Increasing the feasibility of minimally invasive procedures in type A aortic dissections: a framework for segmentation and quantification. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 243-252.	1.7	5
15	A probabilistic reasoning framework for smart homes. , 2007, , .		4
16	Implementation of a Decision Making Algorithm Based on Somatic Markers on the Nao Robot. Informatik Aktuell, 2012, , 69-77.	0.4	4
17	Polar-Based Aortic Segmentation in 3D CTA Dissection Data Using a Piecewise Constant Curvature Model. Informatik Aktuell, 2014, , 390-395.	0.4	4
18	Representation Optimization with Feature Selection and Manifold Learning in a Holistic Classification Framework. , 2015, , .		4

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19	PREDICTION OF NAVIGATION PROFILES IN A DISTRIBUTED INTERNET ENVIRONMENT THROUGH LEARNING OF GRAPH DISTRIBUTIONS. International Journal of Computational Intelligence and Applications, 2002, 02, 303-312.	0.6	3
20	Real-Time Moving Object Detection for Video Surveillance. , 2009, , .		3
21	Extraction of the Aortic Dissection Membrane via Spectral Phase Information. Informatik Aktuell, 2015, , 305-310.	0.4	3
22	Understanding the Interplay of Simultaneous Model Selection and Representation Optimization for Classification Tasks. , 2016, , .		3
23	CoLoss-GAN: Collision-Free Human Trajectory Generation with a Collision Loss and GAN. , 2021, , .		3
24	Structured Learning of Component Dependencies in Aml Systems. , 2008, , .		2
25	Real-time characterization of non-metallic inclusions by optical scanning and milling of steel samples. Proceedings of SPIE, 2012, , .	0.8	2
26	You and your robot companion &#x2014; A framework for creating robotic applications usable by non-experts. , 2015, , .		2
27	Unsupervised extraction of the aortic dissection membrane based on a multiscale piecewise ridge model. , 2016, , .		2
28	Comparison of Denoising Methods Applied to CTA Images of 3D Segmentation of Aortic Dissection. , 2019, , .		2
29	â€œYes Dear, that Belongs into the Shelf!â€- Exploratory Studies with Elderly People Who Learn to Train an Adaptive Robot Companion. Lecture Notes in Computer Science, 2015, , 235-244.	1.0	2
30	A Holistic Classification Optimization Framework with Feature Selection, Preprocessing, Manifold Learning and Classifiers. Lecture Notes in Computer Science, 2015, , 52-68.	1.0	2
31	Estimating Blood Flow Velocity in Liver Vessels. Informatik Aktuell, 2009, , 36-40.	0.4	2
32	Unsupervised Segmentation of Anomalies in Sequential Data, Images and Volumetric Data Using Multiscale Fourier Phase-Only Analysis. Lecture Notes in Computer Science, 2013, , 44-53.	1.0	2
33	Recognizing 2D Image Structures by Automatically Adjusting Matching Parameters. Informatik-Fachberichte, 1990, , 292-296.	0.2	2
34	Learning a Confidence Measure for Real-Time Egomotion Estimation. Lecture Notes in Computer Science, 2016, , 389-401.	1.0	2
35	Improved MRI-based Pseudo-CT Synthesis via Segmentation Guided Attention Networks. , 2022, , .		2
36	Improving robustness for real-time vehicle egomotion estimation. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Sequential vs. batch machine-learning with evolutionary hyperparameter optimization for segmenting aortic dissection thrombus. , 2016, , .		1
38	Improved Time-to-Contact Estimation by Using Information from Image Sequences. Informatik Aktuell, 2009, , 25-32.	0.4	1
39	Automatic Representation and Classifier Optimization for Image-based Object Recognition. , 2015, , .		1
40	Moving Object Detection by Connected Component Labeling of Point Cloud Registration Outliers on the GPU. , 2017, , .		1
41	Combined High-Resolution Imaging and Spectroscopy System - A Versatile and Multi-modal Metrology Platform. , 2017, , .		1
42	Automatic identification of functional kinematic bone features from MRT segmentation for gait analysis. Materialwissenschaft Und Werkstofftechnik, 2009, 40, 725-731.	0.5	0
43	Automatic segmentation and diameter measurement of coronary artery vessels. Proceedings of SPIE, 2011, , .	0.8	0
44	Joint high dynamic range imaging and color demosaicing. Proceedings of SPIE, 2011, , .	0.8	0
45	Reversal Learning Based on Somatic Markers. , 2013, , .		0
46	Implementing a non-local means method to CTA data of aortic dissection. Jurnal Teknologi Dan Sistem Komputer, 2021, 9, 174-179.	0.2	0
47	Compatibilities for Boundary Extraction. Informatik Aktuell, 2000, , 468-475.	0.4	0
48	Ellipsoidal Bias in Learning Appearance-Based Recognition Functions. Lecture Notes in Computer Science, 2001, , 201-213.	1.0	0
49	Parameter Evolution: A Design Pattern for Active Vision. Lecture Notes in Computer Science, 2009, , 128-135.	1.0	0
50	Segmentierung von Kolonpolypen in NBI-Bildmaterial mittels gaborfilterbasierten Multikanal-Level-Sets. Informatik Aktuell, 2013, , 87-92.	0.4	0
51	Wissensgesteuerter Strukturvergleich bei der Korrespondenzanalyse in Bildfolgen. Informatik-Fachberichte, 1988, , 347-353.	0.2	0
52	Goal Directed, Adaptive Computer Vision for IC Bond Inspection. Informatik-Fachberichte, 1990, , 571-578.	0.2	0
53	Knowledge-based adaptive identification of 2D image structures. , 1990, , .		0
54	Steuerung von Segmentierungsverfahren in Bildfolgen menschlicher Bewegungen. Informatik-Fachberichte, 1991, , 521-527.	0.2	0

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55	Projective Invariance and Orientation Consensus for Extracting Boundary Configurations. Informatik Aktuell, 1997, , 375-383.	0.4	0
56	Local Surface Estimation from Arbitrary 3D Contour Sets for Aortic Quantification. Informatik Aktuell, 2015, , 377-382.	0.4	0
57	Enabling Endovascular Treatment of Type A Dissections. Informatik Aktuell, 2015, , 191-196.	0.4	0
58	A Greedy Completion Algorithm for Retrieving Fuzzy Fine Structures. Informatik Aktuell, 2016, , 32-37.	0.4	0
59	Improving the Run-Time Performance of Multi-class Support Vector Machines. Lecture Notes in Computer Science, 2008, , 61-70.	1.0	0
60	Behavior Based Robot Localisation Using Stereo Vision. , 2008, , 427-439.		0