

Arjan Kuijper

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255
papers

2,154
citations

21
h-index

36
g-index

279
ext. papers

2,741
ext. citations

2.1
avg, IF

5.37
L-index

#	Paper	IF	Citations
255	Real masks and spoof faces: On the masked face presentation attack detection. <i>Pattern Recognition</i> , 2022 , 123, 108398	7.7	6
254	Lightweight Long Short-Term Memory Variational Auto-Encoder for Multivariate Time Series Anomaly Detection in Industrial Control Systems.. <i>Sensors</i> , 2022 , 22,	3.8	1
253	PocketNet: Extreme Lightweight Face Recognition Network Using Neural Architecture Search and Multistep Knowledge Distillation. <i>IEEE Access</i> , 2022 , 10, 46823-46833	3.5	5
252	Double deep q-learning with prioritized experience replay for anomaly detection in smart environments. <i>IEEE Access</i> , 2022 , 1-1	3.5	2
251	Self-restrained Triplet Loss for Accurate Masked Face Recognition. <i>Pattern Recognition</i> , 2021 , 124, 1084737	7.7	11
250	A self-adaptive learning method for motion blur kernel estimation of the single image. <i>Optik</i> , 2021 , 248, 168023	2.5	1
249	Extended evaluation of the effect of real and simulated masks on face recognition performance. <i>IET Biometrics</i> , 2021 , 10, 548	2.9	10
248	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 1239-1251	6.6	2
247	Detection of Fiber Defects Using Keypoints and Deep Learning. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021 , 35, 2150016	1.1	1
246	. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 4147-4183	8	10
245	A Comprehensive Study on Face Recognition Biases Beyond Demographics. <i>IEEE Transactions on Technology and Society</i> , 2021 , 1-1	5.2	10
244	Generalization of Fitness Exercise Recognition from Doppler Measurements by Domain-Adaption and Few-Shot Learning. <i>Lecture Notes in Computer Science</i> , 2021 , 203-218	0.9	
243	On Soft-Biometric Information Stored in Biometric Face Embeddings. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2021 , 1-1	4.3	2
242	Demographic Bias in Presentation Attack Detection of Iris Recognition Systems 2021 ,		7
241	MFR 2021: Masked Face Recognition Competition 2021 ,		10
240	MixFaceNets: Extremely Efficient Face Recognition Networks 2021 ,		5
239	MAAD-Face: A Massively Annotated Attribute Dataset for Face Images. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 3942-3957	8	3

238	A Graphical Social Topology Model for RGB-D Multi-Person Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	3
237	ExerTrack: Towards Smart Surfaces to Track Exercises. <i>Technologies</i> , 2020 , 8, 17	2.4	5
236	Sensing Technology for Human Activity Recognition: A Comprehensive Survey. <i>IEEE Access</i> , 2020 , 8, 83791583828	3.5	9
235	PE-MIU: A Training-Free Privacy-Enhancing Face Recognition Approach Based on Minimum Information Units. <i>IEEE Access</i> , 2020 , 8, 93635-93647	3.5	9
234	Periocular Biometrics in Head-Mounted Displays: A Sample Selection Approach for Better Recognition 2020 ,		3
233	Comparison-Level Mitigation of Ethnic Bias in Face Recognition 2020 ,		7
232	Demonstration and Analysis of an Extended Adaptive General Four-Component Decomposition. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 2573-2586	4.7	1
231	Face Quality Estimation and Its Correlation to Demographic and Non-Demographic Bias in Face Recognition 2020 ,		5
230	On Benchmarking Iris Recognition within a Head-mounted Display for AR/VR Applications 2020 ,		4
229	Unconstrained workout activity recognition on unmodified commercial off-the-shelf smartphones 2020 ,		1
228	AutoSNAP: Automatically Learning Neural Architectures for Instrument Pose Estimation. <i>Lecture Notes in Computer Science</i> , 2020 , 375-384	0.9	0
227	Privacy by Design: Analysis of Capacitive Proximity Sensing as System of Choice for Driver Vehicle Interfaces. <i>Lecture Notes in Computer Science</i> , 2020 , 51-66	0.9	
226	Beyond Identity: What Information Is Stored in Biometric Face Templates? 2020 ,		11
225	NannyCaps - Monitoring Child Conditions and Activity in Automotive Applications Using Capacitive Proximity Sensing. <i>Lecture Notes in Computer Science</i> , 2020 , 67-82	0.9	
224	Data augmentation for time series 2020 ,		1
223	Privacy by Design: Survey on Capacitive Proximity Sensing as System of Choice for Driver Vehicle Interfaces 2020 ,		1
222	Iris and periocular biometrics for head mounted displays: Segmentation, recognition, and synthetic data generation. <i>Image and Vision Computing</i> , 2020 , 104, 104007	3.7	10
221	Performing Realistic Workout Activity Recognition on Consumer Smartphones. <i>Technologies</i> , 2020 , 8, 65	2.4	

220	Post-comparison mitigation of demographic bias in face recognition using fair score normalization. <i>Pattern Recognition Letters</i> , 2020 , 140, 332-338	4.7	14
219	Improved estimation of motion blur parameters for restoration from a single image. <i>PLoS ONE</i> , 2020 , 15, e0238259	3.7	2
218	SER-FIQ: Unsupervised Estimation of Face Image Quality Based on Stochastic Embedding Robustness 2020 ,		23
217	Robust driver foot tracking and foot gesture recognition using capacitive proximity sensing. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2019 , 11, 221-235	2.2	6
216	Habitat-Net: Segmentation of habitat images using deep learning. <i>Ecological Informatics</i> , 2019 , 51, 121-128	4.8	16
215	An experimental overview on electric field sensing. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 813-824	3.7	1
214	Unsupervised privacy-enhancement of face representations using similarity-sensitive noise transformations. <i>Applied Intelligence</i> , 2019 , 49, 3043-3060	4.9	13
213	Minutiae-Based Gender Estimation for Full and Partial Fingerprints of Arbitrary Size and Shape. <i>Lecture Notes in Computer Science</i> , 2019 , 171-186	0.9	0
212	Seamless and non-repetitive 4D texture variation synthesis and real-time rendering for measured optical material behavior. <i>Computational Visual Media</i> , 2019 , 5, 161-170	3.9	0
211	Piggybacking Detection Based on Coupled Body-Foot Recognition at Entrance Control. <i>Lecture Notes in Computer Science</i> , 2019 , 780-789	0.9	
210	Reliable Age and Gender Estimation from Face Images: Stating the Confidence of Model Predictions 2019 ,		9
209	Suppressing Gender and Age in Face Templates Using Incremental Variable Elimination 2019 ,		10
208	Enhanced Multiple-Object Tracking Using Delay Processing and Binary-Channel Verification. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4771	2.6	1
207	Performing indoor localization with electric potential sensing. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 731-746	3.7	16
206	Investigating large curved interaction devices. <i>Personal and Ubiquitous Computing</i> , 2019 , 23, 739-748	2.1	1
205	Histograms of Gaussian normal distribution for 3D feature matching in cluttered scenes. <i>Visual Computer</i> , 2019 , 35, 489-505	2.3	5
204	Hough-space-based hypothesis generation and hypothesis verification for 3D object recognition and 6D pose estimation. <i>Computers and Graphics</i> , 2018 , 72, 122-134	1.8	1
203	A universal, closed-form approach for absolute pose problems. <i>Computer Vision and Image Understanding</i> , 2018 , 173, 57-75	4.3	4

202	Fitness Activity Recognition on Smartphones Using Doppler Measurements. <i>Informatics</i> , 2018 , 5, 24	2.2	10
201	Visualization of Zoomable 2D Projections on the Web. <i>Lecture Notes in Computer Science</i> , 2018 , 740-755	0.9	
200	Visual Guidance to Find the Right Spot in Parameter Space. <i>Lecture Notes in Computer Science</i> , 2018 , 527-544	0.9	
199	Feature Fusion Information Statistics for feature matching in cluttered scenes. <i>Computers and Graphics</i> , 2018 , 77, 50-64	1.8	1
198	The Emotive Couch - Learning Emotions by Capacitively Sensed. <i>Procedia Computer Science</i> , 2018 , 130, 263-270	1.6	5
197	CrazyFaces: Unassisted Circumvention of Watchlist Face Identification 2018 ,		10
196	Enabling Driver Feet Gestures Using Capacitive Proximity Sensing 2018 ,		5
195	Surface Acoustic Arrays to Analyze Human Activities in Smart Environments. <i>Lecture Notes in Computer Science</i> , 2018 , 115-130	0.9	0
194	Deep Learning-based Face Recognition and the Robustness to Perspective Distortion 2018 ,		3
193	An Integrated Deep Neural Network for Defect Detection in Dynamic Textile Textures. <i>Lecture Notes in Computer Science</i> , 2018 , 77-84	0.9	4
192	Fingerprint and Iris Multi-Biometric Data Indexing and Retrieval 2018 ,		2
191	Deep and Multi-Algorithmic Gender Classification of Single Fingerprint Minutiae 2018 ,		4
190	Prototyping Shape-Sensing Fabrics Through Physical Simulation. <i>Lecture Notes in Computer Science</i> , 2018 , 147-161	0.9	0
189	Step by Step: Early Detection of Diseases Using an Intelligent Floor. <i>Lecture Notes in Computer Science</i> , 2018 , 131-146	0.9	1
188	Eliminating the Ground Reference for Wireless Electric Field Sensing. <i>Lecture Notes in Computer Science</i> , 2018 , 90-99	0.9	0
187	A light and faster regional convolutional neural network for object detection in optical remote sensing images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 141, 208-218	11.8	94
186	Deferred Warping. <i>IEEE Computer Graphics and Applications</i> , 2017 , 37, 76-87	1.7	1
185	Search Intention Analysis for Task- and User-Centered Visualization in Big Data Applications. <i>Procedia Computer Science</i> , 2017 , 104, 539-547	1.6	2

184	Indoor Localization Based on Passive Electric Field Sensing. <i>Lecture Notes in Computer Science</i> , 2017 , 64-79	0.9	6
183	E-Textile Couch: Towards Smart Garments Integrated Furniture. <i>Lecture Notes in Computer Science</i> , 2017 , 214-224	0.9	8
182	Mutual Information-Based Tracking for Multiple Cameras and Multiple Planes. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 3451-3463	2.5	0
181	An Exploratory Study on Electric Field Sensing. <i>Lecture Notes in Computer Science</i> , 2017 , 247-262	0.9	2
180	Efficient, Accurate, and Rotation-Invariant Iris Code. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1233-1237	3.2	10
179	Beyond Group: Multiple Person Tracking via Minimal Topology-Energy-Variation. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5575-5589	8.7	10
178	Neighbor Distance Ratios and Dynamic Weighting in Multi-biometric Fusion. <i>Lecture Notes in Computer Science</i> , 2017 , 491-500	0.9	
177	Robust, fast and accurate vision-based localization of a cooperative target used for space robotic arm. <i>Acta Astronautica</i> , 2017 , 136, 101-114	2.9	12
176	CapSoles 2017 ,		11
175	Talis [A Design Study for a Wearable Device to Assist People with Depression 2017 ,		5
174	Curved - free-form interaction using capacitive proximity sensors. <i>Procedia Computer Science</i> , 2017 , 109, 59-66	1.6	3
173	[POSTER] Efficient Pose Selection for Interactive Camera Calibration 2017 ,		1
172	Evaluating the recognition of bed postures using mutual capacitance sensing. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2017 , 9, 113-127	2.2	6
171	General borda count for multi-biometric retrieval 2017 ,		6
170	New Approach for Optimizing the Usage of Situation Recognition Algorithms Within IoT Domains. <i>Lecture Notes in Computer Science</i> , 2017 , 183-196	0.9	2
169	HUDConCap - Automotive Head-Up Display Controlled with Capacitive Proximity Sensing. <i>Lecture Notes in Computer Science</i> , 2017 , 197-213	0.9	4
168	AuthentiCap - A Touchless Vehicle Authentication and Personalization System. <i>Lecture Notes in Computer Science</i> , 2017 , 46-63	0.9	5
167	Fiber Defect Detection of Inhomogeneous Voluminous Textiles. <i>Lecture Notes in Computer Science</i> , 2017 , 278-287	0.9	8

166	Indexing of Single and Multi-instance Iris Data Based on LSH-Forest and Rotation Invariant Representation. <i>Lecture Notes in Computer Science</i> , 2017 , 190-201	0.9	4
165	Unifying Algebraic Solvers for Scaled Euclidean Registration from Point, Line and Plane Constraints. <i>Lecture Notes in Computer Science</i> , 2017 , 52-66	0.9	
164	Texturizing and Refinement of 3D City Models with Mobile Devices. <i>Lecture Notes in Computer Science</i> , 2017 , 313-324	0.9	1
163	CapTap 2016 ,		6
162	A Modular Rule-Based Visual Interactive Creation of Tree-Shaped Geo-Located Networks 2016 ,		2
161	Overview with details for exploring geo-located graphs on maps. <i>Information Visualization</i> , 2016 , 15, 214-237	2.4	8
160	Modeling a virtual robotic system for automated 3D digitization of cultural heritage artifacts. <i>Journal of Cultural Heritage</i> , 2016 , 19, 531-537	2.9	5
159	Mid-Air Gestures for Virtual Modeling with Leap Motion. <i>Lecture Notes in Computer Science</i> , 2016 , 221-230	0.9	5
158	Stereo-Image Normalization of Voluminous Objects Improves Textile Defect Recognition. <i>Lecture Notes in Computer Science</i> , 2016 , 181-192	0.9	4
157	Image-Based Post-processing for Realistic Real-Time Rendering of Scenes in the Presence of Fluid Simulations and Image-Based Lighting. <i>Lecture Notes in Computer Science</i> , 2016 , 414-425	0.9	
156	Dynamic Sampling for Visual Exploration of Large Dense-Dense Matrices. <i>Lecture Notes in Computer Science</i> , 2016 , 308-318	0.9	
155	Screen Space Cone Tracing for Glossy Reflections. <i>Lecture Notes in Computer Science</i> , 2016 , 308-318	0.9	
154	Exploring Machine Learning Object Classification for Interactive Proximity Surfaces. <i>Lecture Notes in Computer Science</i> , 2016 , 157-167	0.9	
153	RDEPS: A Combined Reaction-Diffusion Equation and Photometric Similarity Filter for Optical Image Restoration. <i>Lecture Notes in Computer Science</i> , 2016 , 43-54	0.9	
152	Investigating Low-Cost Wireless Occupancy Sensors for Beds. <i>Lecture Notes in Computer Science</i> , 2016 , 26-34	0.9	2
151	Visualization of Composer Relationships Using Implicit Data Graphs. <i>Lecture Notes in Computer Science</i> , 2016 , 300-312	0.9	1
150	Benchmarking sensors in smart environments—Method and use cases. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2016 , 8, 645-664	2.2	2
149	Modeling and Implementation of Multi-Position Non-Continuous Rotation Gyroscope North Finder. <i>Sensors</i> , 2016 , 16,	3.8	4

148	High Availability of Big-Geo-Data as a Platform as a Service. <i>Lecture Notes in Computer Science</i> , 2016 , 306-318	0.9	
147	Exploration of Natural Free-Hand Interaction for Shape Modeling Using Leap Motion Controller 2016 ,		5
146	Multi-Camera Piecewise Planar Object Tracking with Mutual Information. <i>Journal of Mathematical Imaging and Vision</i> , 2016 , 56, 591-602	1.6	4
145	Platypus 2016 ,		39
144	Understanding People's Mental Models of Mid-Air Interaction for Virtual Assembly and Shape Modeling 2016 ,		8
143	Visual Interactive Process Monitoring. <i>Lecture Notes in Computer Science</i> , 2015 , 74-85	0.9	
142	Immersive Interaction Paradigms for Controlling Virtual Worlds by Customer Devices Exemplified in a Virtual Planetarium. <i>Lecture Notes in Computer Science</i> , 2015 , 74-86	0.9	
141	Evaluating 3D thumbnails for virtual object galleries 2015 ,		1
140	Notes on Discrete Gaussian Scale Space. <i>Journal of Mathematical Imaging and Vision</i> , 2015 , 51, 106-123	1.6	2
139	Capacitive proximity sensing in smart environments. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2015 , 7, 483-510	2.2	48
138	Acoustic tracking of hand activities on surfaces 2015 ,		13
137	Enhancing traffic safety with wearable low-resolution displays 2015 ,		5
136	On-orbit real-time robust cooperative target identification in complex background. <i>Chinese Journal of Aeronautics</i> , 2015 , 28, 1451-1463	3.7	5
135	Extended surface distance for local evaluation of 3D medical image segmentations. <i>Visual Computer</i> , 2015 , 31, 989-999	2.3	3
134	Underwater stereo calibration utilizing virtual object points 2015 ,		6
133	Opportunities for activity recognition using ultrasound doppler sensing on unmodified mobile phones 2015 ,		8
132	Visual trend analysis with digital libraries 2015 ,		13
131	Stable dynamic webshadows in the X3DOM framework. <i>Expert Systems With Applications</i> , 2015 , 42, 3585-3609	3.6	8

130	Functional Modelling And Simulation Of Overall System Ship Virtual Methods For Engineering And Commissioning In Shipbuilding 2015 ,		4
129	Visual Comparison of 3D Medical Image Segmentation Algorithms Based on Statistical Shape Models. <i>Lecture Notes in Computer Science</i> , 2015 , 336-344	0.9	6
128	Ambient Intelligence from Senior Citizens Perspectives: Understanding Privacy Concerns, Technology Acceptance, and Expectations. <i>Lecture Notes in Computer Science</i> , 2015 , 48-59	0.9	23
127	Design Factors for Flexible Capacitive Sensors in Ambient Intelligence. <i>Lecture Notes in Computer Science</i> , 2015 , 77-92	0.9	7
126	Intuitive Placement of Objects in Web-Based CAD Environments. <i>Communications in Computer and Information Science</i> , 2015 , 414-420	0.3	
125	User Location Modeling Based on Heterogeneous Data Sources. <i>Lecture Notes in Computer Science</i> , 2015 , 473-484	0.9	
124	Fundamental Aspects for E-Government 2015 , 52-68		
123	Delta Global Illumination for Mixed Reality. <i>Lecture Notes in Computer Science</i> , 2015 , 108-118	0.9	1
122	A Gesture Recognition Method for Proximity-Sensing Surfaces in Smart Environments. <i>Lecture Notes in Computer Science</i> , 2015 , 163-173	0.9	1
121	Context-Based Document Management in Smart Living Environments. <i>Lecture Notes in Computer Science</i> , 2015 , 382-394	0.9	
120	Centralized Approach for a Unified Wireless Network Access. <i>Lecture Notes in Computer Science</i> , 2015 , 547-559	0.9	
119	Hierarchical image representation using 3D camera geometry for content-based image retrieval. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 30, 235-241	7.2	2
118	Demo hour. <i>Interactions</i> , 2014 , 21, 6-9	1	
117	Text and image area classification in mobile scanned digitised documents. <i>International Journal of Applied Pattern Recognition</i> , 2014 , 1, 173	0.2	2
116	Measuring context relevance for adaptive semantics visualizations 2014 ,		2
115	Towards interactive car interiors 2014 ,		9
114	Multi-view Photometric Stereo by Example 2014 ,		7
113	Spatial data structures for accelerated 3D visibility computation to enable large model visualization on the web 2014 ,		17

112	Comparison of e-participation roadmap in industrial and developing countries based on Germany and Kenya 2014 ,		1
111	Capacitive near-field communication for ubiquitous interaction and perception 2014 ,		36
110	Inbound interdomain traffic engineering with LISP 2014 ,		2
109	Privacy Protection of Biometric Templates. <i>Communications in Computer and Information Science</i> , 2014 , 153-158	0.3	4
108	Fundamental Aspects for E-Government. <i>Advances in Electronic Government, Digital Divide, and Regional Development Book Series</i> , 2014 , 1-18	0.3	2
107	The Common Implementation Framework as Service \square Towards Novel Applications for Streamlined Presentation of 3D Content on the Web. <i>Lecture Notes in Computer Science</i> , 2014 , 3-14	0.9	6
106	User Similarity and Deviation Analysis for Adaptive Visualizations. <i>Lecture Notes in Computer Science</i> , 2014 , 64-75	0.9	4
105	Robot-Supported Pointing Interaction for Intelligent Environments. <i>Lecture Notes in Computer Science</i> , 2014 , 172-183	0.9	2
104	A Benchmarking Model for Sensors in Smart Environments. <i>Lecture Notes in Computer Science</i> , 2014 , 242-257	0.9	5
103	Recognition of Bed Postures Using Mutual Capacitance Sensing. <i>Lecture Notes in Computer Science</i> , 2014 , 51-66	0.9	15
102	Adaptive Visualization of Linked-Data. <i>Lecture Notes in Computer Science</i> , 2014 , 872-883	0.9	3
101	Efficient Heuristic Adaptive Quadrature on GPUs: Design and Evaluation. <i>Lecture Notes in Computer Science</i> , 2014 , 652-662	0.9	3
100	Robust Real-Time Shadows for Dynamic 3D Scenes on the Web. <i>Communications in Computer and Information Science</i> , 2014 , 574-578	0.3	
99	Deterministic Local Layouts through High-Dimensional Layout Stitching. <i>Lecture Notes in Computer Science</i> , 2014 , 643-651	0.9	0
98	Ambient Gesture-Recognizing Surfaces with Visual Feedback. <i>Lecture Notes in Computer Science</i> , 2014 , 97-108	0.9	6
97	Interaction Taxonomy for Tracking of User Actions in Visual Analytics Applications 2014 , 653-670		9
96	Image processing by minimising L p norms. <i>Pattern Recognition and Image Analysis</i> , 2013 , 23, 226-235	1	2
95	Extending a distributed virtual reality system with exchangeable rendering back-ends. <i>Visual Computer</i> , 2013 , 29, 1039-1049	2.3	5

94	Opening up the Black box of medical image segmentation with statistical shape models. <i>Visual Computer</i> , 2013 , 29, 893-905	2.3	13
93	Human action recognition based on skeleton splitting. <i>Expert Systems With Applications</i> , 2013 , 40, 6848-6855	6.85	19
92	Visual Analytics for model-based medical image segmentation: Opportunities and challenges. <i>Expert Systems With Applications</i> , 2013 , 40, 4934-4943	7.8	23
91	Fast, progressive loading of binary-encoded declarative-3D Web content. <i>IEEE Computer Graphics and Applications</i> , 2013 , 33, 26-36	1.7	16
90	The 2nd competition on counter measures to 2D face spoofing attacks 2013 ,		52
89	OpenCapSense: A rapid prototyping toolkit for pervasive interaction using capacitive sensing 2013 ,		53
88	Missing data estimation in multi-biometric identification and verification 2013 ,		5
87	Screen-Space Ambient Occlusion Using A-Buffer Techniques 2013 ,		7
86	On the Local Form and Transitions of Pre-symmetry Sets. <i>Journal of Mathematical Imaging and Vision</i> , 2013 , 45, 13-30	1.6	1
85	MobileAR Browser: A generic architecture for rapid AR-multi-level development. <i>Expert Systems With Applications</i> , 2013 , 40, 2704-2714	7.8	30
84	Sm@rtConfig: A context-aware runtime and tuning system using an aspect-oriented approach for data intensive engineering applications. <i>Control Engineering Practice</i> , 2013 , 21, 204-217	3.9	9
83	Application of radial ray based segmentation to cervical lymph nodes in CT images. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 888-900	11.7	10
82	Towards precise real-time 3D difference detection for industrial applications. <i>Computers in Industry</i> , 2013 , 64, 1115-1128	11.6	34
81	Swiss-cheese extended 2013 ,		26
80	Lazy Nonlinear Diffusion Parameter Estimation. <i>Lecture Notes in Computer Science</i> , 2013 , 211-220	0.9	0
79	Cosine-Driven Non-linear Denoising. <i>Lecture Notes in Computer Science</i> , 2013 , 245-254	0.9	1
78	3D Anisotropic Diffusion on GPUs by Closed-Form Local Tensor Computations. <i>Numerical Mathematics</i> , 2013 , 6, 72-94	1.5	1
77	COMPARING BITMAPPED MICRORNA STRUCTURE IMAGES USING MUTUAL SYMMETRY. <i>International Journal of Image and Graphics</i> , 2013 , 13, 1350008	0.5	

76	Discrete Deep Structure. <i>Lecture Notes in Computer Science</i> , 2013 , 343-354	0.9	1
75	Providing Visual Support for Selecting Reactive Elements in Intelligent Environments. <i>Lecture Notes in Computer Science</i> , 2013 , 248-263	0.9	2
74	Multimodal Kinect-Supported Interaction for Visually Impaired Users. <i>Lecture Notes in Computer Science</i> , 2013 , 500-509	0.9	2
73	Visual Access to Optimization Problems in Strategic Environmental Assessment. <i>Lecture Notes in Computer Science</i> , 2013 , 361-372	0.9	4
72	Visual Statistics Cockpits for Information Gathering in the Policy-Making Process. <i>Lecture Notes in Computer Science</i> , 2013 , 86-97	0.9	5
71	Weighted Patch-Based Reconstruction: Linking (Multi-view) Stereo to Scale Space. <i>Lecture Notes in Computer Science</i> , 2013 , 234-245	0.9	
70	Fusing Real-Time Depth Imaging with High Precision Pose Estimation by a Measurement Arm 2012 ,		1
69	A Discrete Scale Space Neighborhood for Robust Deep Structure Extraction. <i>Lecture Notes in Computer Science</i> , 2012 , 126-134	0.9	2
68	Laplacian Eigenimages in Discrete Scale Space. <i>Lecture Notes in Computer Science</i> , 2012 , 162-170	0.9	2
67	Efficient Volumetric Anisotropic Diffusion Computation on GPUs. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2012 , 12, 737-738	0.2	
66	Visual support system for selecting reactive elements in intelligent environments 2012 ,		7
65	Practical noise reduction for progressive stochastic ray tracing with perceptual control. <i>IEEE Computer Graphics and Applications</i> , 2012 , 32, 46-55	1.7	5
64	Graph-based combinations of fragment descriptors for improved 3D Object Retrieval 2012 ,		4
63	Modulation transfer function of patch-based stereo systems 2012 ,		7
62	Retrieving secrets from iris fuzzy commitment 2012 ,		7
61	Volumetric Nonlinear Anisotropic Diffusion on GPUs. <i>Lecture Notes in Computer Science</i> , 2012 , 62-73	0.9	7
60	Interactive Personalization of Ambient Assisted Living Environments. <i>Lecture Notes in Computer Science</i> , 2011 , 567-576	0.9	7
59	Reconstruction and Accurate Alignment of Feature Maps for Augmented Reality 2011 ,		13

58	Visual Analysis of Large Graphs: State-of-the-Art and Future Research Challenges. <i>Computer Graphics Forum</i> , 2011 , 30, 1719-1749	2.4	282
57	Composing the feature map retrieval process for robust and ready-to-use monocular tracking. <i>Computers and Graphics</i> , 2011 , 35, 778-788	1.8	13
56	Quantifying privacy and security of biometric fuzzy commitment 2011 ,		26
55	An Effective Dynamic Scheduling Runtime and Tuning System for Heterogeneous Multi and Many-Core Desktop Platforms 2011 ,		8
54	Sketch-based 3D model retrieval using compressive sensing classification. <i>Electronics Letters</i> , 2011 , 47, 1181	1.1	9
53	A Reference Model for Adaptive Visualization Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 480-489	0.9	23
52	Interacting with Semantics and Time. <i>Lecture Notes in Computer Science</i> , 2011 , 520-529	0.9	2
51	Modeling Users for Adaptive Semantics Visualizations. <i>Lecture Notes in Computer Science</i> , 2011 , 88-97	0.9	3
50	Search Intention Analysis for User-Centered Adaptive Visualizations. <i>Lecture Notes in Computer Science</i> , 2011 , 317-326	0.9	1
49	SemaZoom: Semantics Exploration by Using a Layer-Based Focus and Context Metaphor. <i>Lecture Notes in Computer Science</i> , 2011 , 491-499	0.9	3
48	Adapting User Interfaces by Analyzing Data Characteristics for Determining Adequate Visualizations. <i>Lecture Notes in Computer Science</i> , 2011 , 566-575	0.9	3
47	User-Oriented Graph Visualization Taxonomy: A Data-Oriented Examination of Visual Features. <i>Lecture Notes in Computer Science</i> , 2011 , 576-585	0.9	4
46	Interacting with Semantics: A User-Centered Visualization Adaptation Based on Semantics Data. <i>Lecture Notes in Computer Science</i> , 2011 , 239-248	0.9	8
45	Mesh Deformations in X3D via CUDA with Freeform Deformation Lattices. <i>Lecture Notes in Computer Science</i> , 2011 , 343-351	0.9	1
44	Automatic Wood Log Segmentation Using Graph Cuts. <i>Communications in Computer and Information Science</i> , 2011 , 96-109	0.3	5
43	3D Model Retrieval Using the Histogram of Orientation of Suggestive Contours. <i>Lecture Notes in Computer Science</i> , 2011 , 367-376	0.9	0
42	Classifying Interaction Methods to Support Intuitive Interaction Devices for Creating User-Centered-Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 20-29	0.9	1
41	A Comprehensive Reference Model for Personalized Recommender Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 528-537	0.9	3

40	3D Face Recognition with Local Binary Patterns 2010 ,		7
39	Sketch-based 3D model retrieval using diffusion tensor fields of suggestive contours 2010 ,		50
38	Human Action Recognition Using Segmented Skeletal Features 2010 ,		4
37	Effective Dynamic Scheduling on Heterogeneous Multi/Manycore Desktop Platforms 2010 ,		6
36	Iterative SLE Solvers over a CPU-GPU Platform 2010 ,		9
35	Query-by-sketch based image retrieval using diffusion tensor fields 2010 ,		1
34	3D Human Action Recognition Using Model Segmentation. <i>Lecture Notes in Computer Science</i> , 2010 , 189-199		3
33	Geometrical PDEs based on second-order derivatives of gauge coordinates in image processing. <i>Image and Vision Computing</i> , 2009 , 27, 1023-1034	3-7	23
32	Feature Correlation Attack on Biometric Privacy Protection Schemes 2009 ,		9
31	A Security Analysis of Biometric Template Protection Schemes. <i>Lecture Notes in Computer Science</i> , 2009 , 429-438	0-9	7
30	Applying Instance Visualisation and Conceptual Schema Mapping for Geodata Harmonisation. <i>Lecture Notes in Geoinformation and Cartography</i> , 2009 , 173-194	0-3	3
29	Transitions of a Multi-scale Image Hierarchy Tree. <i>Lecture Notes in Computer Science</i> , 2009 , 844-855	0-9	
28	An automatic cell segmentation method for differential interference contrast microscopy 2008 ,		14
27	Exploring and exploiting the structure of saddle points in Gaussian scale space. <i>Computer Vision and Image Understanding</i> , 2008 , 112, 337-349	4-3	7
26	Singularities in Gaussian scale space that are relevant for changes in its hierarchical structure. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2008 , 8, 10935-10936	0-2	1
25	Deriving the Medial Axis with geometrical arguments for planar shapes. <i>Pattern Recognition Letters</i> , 2007 , 28, 2011-2018	4-7	5
24	Image analysis using p-Laplacian and geometrical PDEs. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 1011201-1011202	0-2	3
23	P-Laplacian Driven Image Processing 2007 ,		13

22	Qualitative and Quantitative Behaviour of Geometrical PDEs in Image Processing 2007 , 230-239		2
21	Alternative 2D Shape Representations using the Symmetry Set. <i>Journal of Mathematical Imaging and Vision</i> , 2006 , 26, 127-147	1.6	7
20	Describing and Matching 2D Shapes by Their Points of Mutual Symmetry. <i>Lecture Notes in Computer Science</i> , 2006 , 213-225	0.9	3
19	Geometric skeletonization using the symmetry set 2005 ,		3
18	Using Catastrophe Theory to Derive Trees from Images. <i>Journal of Mathematical Imaging and Vision</i> , 2005 , 23, 219-238	1.6	11
17	The Structure of Shapes Scale Space Aspects of the (pre-) Symmetry Set. <i>Lecture Notes in Computer Science</i> , 2005 , 291-302	0.9	1
16	Exploiting Deep Structure. <i>Lecture Notes in Computer Science</i> , 2005 , 169-180	0.9	1
15	Computing 3D Symmetry Sets; A Case Study. <i>Lecture Notes in Computer Science</i> , 2005 , 193-204	0.9	2
14	Essential Loops and Their Relevance for Skeletons and Symmetry Sets. <i>Lecture Notes in Computer Science</i> , 2005 , 24-35	0.9	3
13	Transitions of the pre-symmetry set 2004 ,		9
12	The Relevance of Non-Generic Events in Scale Space Models. <i>International Journal of Computer Vision</i> , 2004 , 57, 67-84	10.6	22
11	On detecting all saddle points in 2D images. <i>Pattern Recognition Letters</i> , 2004 , 25, 1665-1672	4.7	20
10	From a 2D Shape to a String Structure Using the Symmetry Set. <i>Lecture Notes in Computer Science</i> , 2004 , 313-325	0.9	6
9	On Extending Symmetry Sets for 2D Shapes. <i>Lecture Notes in Computer Science</i> , 2004 , 512-520	0.9	4
8	Scale Space Hierarchy. <i>Journal of Mathematical Imaging and Vision</i> , 2003 , 18, 169-189	1.6	33
7	The hierarchical structure of images. <i>IEEE Transactions on Image Processing</i> , 2003 , 12, 1067-79	8.7	16
6	On Manifolds in Gaussian Scale Space. <i>Lecture Notes in Computer Science</i> , 2003 , 1-16	0.9	1
5	Understanding and Modeling the Evolution of Critical Points under Gaussian Blurring. <i>Lecture Notes in Computer Science</i> , 2002 , 143-157	0.9	13

- 4 The Relevance of Non-generic Events in Scale Space Models. *Lecture Notes in Computer Science*, **2002**, 190-204 0.9 6
- 3 The Topological Structure of Scale-Space Images **2000**, 12, 65-79 90
- 2 Calculations on Critical Points under Gaussian Blurring. *Lecture Notes in Computer Science*, **1999**, 318-329. 0.9 7
- 1 Comparative study of image restoration techniques in forensic image processing **1997**, 2942, 10