Arjan Kuijper

List of Publications by Year
in descending order

260 papers	3,359 citations	304368 22 h-index	301761 39 g-index
280 all docs	280 docs citations	280 times ranked	2425 citing authors

#	Article	IF	Citations
1	Visual Analysis of Large Graphs: State‑of‑the‑Art and Future Research Challenges. Computer Graphics Forum, 2011, 30, 1719-1749.	1.8	368
2	A light and faster regional convolutional neural network for object detection in optical remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 141, 208-218.	4.9	142
3	The Topological Structure of Scale-Space Images. , 2000, 12, 65-79.		98
4	SER-FIQ: Unsupervised Estimation of Face Image Quality Based on Stochastic Embedding Robustness. , 2020, , .		86
5	Sensing Technology for Human Activity Recognition: A Comprehensive Survey. IEEE Access, 2020, 8, 83791-83820.	2.6	81
6	Capacitive proximity sensing in smart environments. Journal of Ambient Intelligence and Smart Environments, 2015, 7, 483-510.	0.8	75
7	Sketch-based 3D model retrieval using diffusion tensor fields of suggestive contours. , 2010, , .		73
8	OpenCapSense: A rapid prototyping toolkit for pervasive interaction using capacitive sensing. , 2013, , .		68
9	The 2nd competition on counter measures to 2D face spoofing attacks. , 2013, , .		64
10	Self-restrained triplet loss for accurate masked face recognition. Pattern Recognition, 2022, 124, 108473.	5.1	61
11	Privacy‑Enhancing Face Biometrics: A Comprehensive Survey. IEEE Transactions on Information Forensics and Security, 2021, 16, 4147-4183.	4.5	59
12	Platypus. , 2016, , .		53
13	Capacitive near-field communication for ubiquitous interaction and perception. , 2014, , .		49
14	A Comprehensive Study on Face Recognition Biases Beyond Demographics. IEEE Transactions on Technology and Society, 2022, 3, 16-30.	2.4	45
15	Towards precise real-time 3D difference detection for industrial applications. Computers in Industry, 2013, 64, 1115-1128.	5.7	42
16	Scale Space Hierarchy. Journal of Mathematical Imaging and Vision, 2003, 18, 169-189.	0.8	39
17	MobileAR Browser â€" A generic architecture for rapid AR-multi-level development. Expert Systems With Applications, 2013, 40, 2704-2714.	4.4	37
18	Real masks and spoof faces: On the masked face presentation attack detection. Pattern Recognition, 2022, 123, 108398.	5.1	37

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19	CapSoles. , 2017, , .		34
20	MFR 2021: Masked Face Recognition Competition. , 2021, , .		33
21	Quantifying privacy and security of biometric fuzzy commitment. , 2011, , .		32
22	Swiss-cheese extended. , 2013, , .		32
23	Ambient Intelligence from Senior Citizens' Perspectives: Understanding Privacy Concerns, Technology Acceptance, and Expectations. Lecture Notes in Computer Science, 2015, , 48-59.	1.0	32
24	PocketNet: Extreme Lightweight Face Recognition Network Using Neural Architecture Search and Multistep Knowledge Distillation. IEEE Access, 2022, 10, 46823-46833.	2.6	30
25	Visual Analytics for model-based medical image segmentation: Opportunities and challenges. Expert Systems With Applications, 2013, 40, 4934-4943.	4.4	29
26	Extended evaluation of the effect of real and simulated masks on face recognition performance. IET Biometrics, 2021, 10, 548-561.	1.6	29
27	MixFaceNets: Extremely Efficient Face Recognition Networks. , 2021, , .		29
28	Post-comparison mitigation of demographic bias in face recognition using fair score normalization. Pattern Recognition Letters, 2020, 140, 332-338.	2.6	28
29	Iris and periocular biometrics for head mounted displays: Segmentation, recognition, and synthetic data generation. Image and Vision Computing, 2020, 104, 104007.	2.7	27
30	A Reference Model for Adaptive Visualization Systems. Lecture Notes in Computer Science, 2011, , 480-489.	1.0	27
31	Unsupervised privacy-enhancement of face representations using similarity-sensitive noise transformations. Applied Intelligence, 2019, 49, 3043-3060.	3.3	26
32	Face Quality Estimation and Its Correlation to Demographic and Non-Demographic Bias in Face Recognition. , 2020, , .		26
33	On detecting all saddle points in 2D images. Pattern Recognition Letters, 2004, 25, 1665-1672.	2.6	25
34	Geometrical PDEs based on second-order derivatives of gauge coordinates in image processing. Image and Vision Computing, 2009, 27, 1023-1034.	2.7	25
35	The Relevance of Non-Generic Events in Scale Space Models. International Journal of Computer Vision, 2004, 57, 67-84.	10.9	23
36	Spatial data structures for accelerated 3D visibility computation to enable large model visualization on the web. , 2014, , .		23

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37	Human action recognition based on skeleton splitting. Expert Systems With Applications, 2013, 40, 6848-6855.	4.4	22
38	Performing indoor localization with electric potential sensing. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 731-746.	3.3	22
39	Robust, fast and accurate vision-based localization of a cooperative target used for space robotic arm. Acta Astronautica, 2017, 136, 101-114.	1.7	21
40	The hierarchical structure of images. IEEE Transactions on Image Processing, 2003, 12, 1067-1079.	6.0	20
41	P-Laplacian Driven Image Processing. , 2007, , .		20
42	Habitat-Net: Segmentation of habitat images using deep learning. Ecological Informatics, 2019, 51, 121-128.	2.3	20
43	Beyond Identity: What Information Is Stored in Biometric Face Templates?. , 2020, , .		20
44	Acoustic tracking of hand activities on surfaces. , 2015, , .		19
45	An automatic cell segmentation method for differential interference contrast microscopy. , 2008, , .		18
46	Fast, Progressive Loading of Binary-Encoded Declarative-3D Web Content. IEEE Computer Graphics and Applications, 2013, 33, 26-36.	1.0	17
47	Suppressing Gender and Age in Face Templates Using Incremental Variable Elimination. , 2019, , .		17
48	Recognition of Bed Postures Using Mutual Capacitance Sensing. Lecture Notes in Computer Science, 2014, , 51-66.	1.0	17
49	Using Catastrophe Theory to Derive Trees from Images. Journal of Mathematical Imaging and Vision, 2005, 23, 219-238.	0.8	16
50	Opening up the â€œblack boxâ€•of medical image segmentation with statistical shape models. Visual Computer, 2013, 29, 893-905.	2.5	16
51	Reliable Age and Gender Estimation from Face Images: Stating the Confidence of Model Predictions. , 2019, , .		16
52	PE-MIU: A Training-Free Privacy-Enhancing Face Recognition Approach Based on Minimum Information Units. IEEE Access, 2020, 8, 93635-93647.	2.6	16
53	MAAD-Face: A Massively Annotated Attribute Dataset for Face Images. IEEE Transactions on Information Forensics and Security, 2021, 16, 3942-3957.	4.5	16
54	Reconstruction and Accurate Alignment of Feature Maps for Augmented Reality. , 2011, , .		15

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55	Composing the feature map retrieval process for robust and ready-to-use monocular tracking. Computers and Graphics, 2011, 35, 778-788.	1.4	15
56	Visual trend analysis with digital libraries. , 2015, , .		15
57	Demographic Bias in Presentation Attack Detection of Iris Recognition Systems. , 2021, , .		15
58	Partial Attack Supervision and Regional Weighted Inference for Masked Face Presentation Attack Detection. , 2021, , .		15
59	Application of Radial Ray Based Segmentation to Cervical Lymph Nodes in CT Images. IEEE Transactions on Medical Imaging, 2013, 32, 888-900.	5.4	14
60	Beyond Group: Multiple Person Tracking via Minimal Topology-Energy-Variation. IEEE Transactions on Image Processing, 2017, 26, 1-1.	6.0	14
61	CrazyFaces: Unassisted Circumvention of Watchlist Face Identification. , 2018, , .		14
62	Fitness Activity Recognition on Smartphones Using Doppler Measurements. Informatics, 2018, 5, 24.	2.4	14
63	Understanding and Modeling the Evolution of Critical Points under Gaussian Blurring. Lecture Notes in Computer Science, 2002, , 143-157.	1.0	14
64	Interaction Taxonomy for Tracking of User Actions in Visual Analytics Applications. , 2014, , 653-670.		14
65	An Effective Dynamic Scheduling Runtime and Tuning System for Heterogeneous Multi and Many-Core Desktop Platforms. , 2011, , .		13
66	Understanding People's Mental Models of Mid-Air Interaction for Virtual Assembly and Shape Modeling. , 2016, , .		13
67	Comparison-Level Mitigation of Ethnic Bias in Face Recognition. , 2020, , .		13
68	Feature Correlation Attack on Biometric Privacy Protection Schemes. , 2009, , .		12
69	Sketch-based 3D model retrieval using compressive sensing classification. Electronics Letters, 2011, 47, 1181.	0.5	12
70	Lightweight Long Short-Term Memory Variational Auto-Encoder for Multivariate Time Series Anomaly Detection in Industrial Control Systems. Sensors, 2022, 22, 2886.	2.1	12
71	Iterative SLE Solvers over a CPU-GPU Platform. , 2010, , .		11
72	E-Textile Couch: Towards Smart Garments Integrated Furniture. Lecture Notes in Computer Science, 2017, , 214-224.	1.0	11

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73	Efficient, Accurate, and Rotation-Invariant Iris Code. IEEE Signal Processing Letters, 2017, 24, 1233-1237.	2.1	11
74	Calculations on Critical Points under Gaussian Blurring. Lecture Notes in Computer Science, 1999, , 318-329.	1.0	11
75	Alternative 2D Shape Representations using the Symmetry Set. Journal of Mathematical Imaging and Vision, 2006, 26, 127-147.	0.8	10
76	A Security Analysis of Biometric Template Protection Schemes. Lecture Notes in Computer Science, 2009, , 429-438.	1.0	10
77	3D Face Recognition with Local Binary Patterns. , 2010, , .		10
78	Effective Dynamic Scheduling on Heterogeneous Multi/Manycore Desktop Platforms. , 2010, , .		10
79	Retrieving secrets from iris fuzzy commitment. , 2012, , .		10
80	Sm@rtConfig: A context-aware runtime and tuning system using an aspect-oriented approach for data intensive engineering applications. Control Engineering Practice, 2013, 21, 204-217.	3.2	10
81	Towards interactive car interiors. , 2014, , .		10
82	On-orbit real-time robust cooperative target identification in complex background. Chinese Journal of Aeronautics, 2015, 28, 1451-1463.	2.8	10
83	Opportunities for activity recognition using ultrasound doppler sensing on unmodified mobile phones. , 2015, , .		10
84	Stable dynamic webshadows in the X3DOM framework. Expert Systems With Applications, 2015, 42, 3585-3609.	4.4	10
85	Exploration of Natural Free-Hand Interaction for Shape Modeling Using Leap Motion Controller. , 2016, , .		10
86	Overview with details for exploring geo-located graphs on maps. Information Visualization, 2016, 15, 214-237.	1.2	10
87	Modeling a virtual robotic system for automated 3D digitization of cultural heritage artifacts. Journal of Cultural Heritage, 2016, 19, 531-537.	1.5	10
88	Interacting with Semantics: A User-Centered Visualization Adaptation Based on Semantics Data. Lecture Notes in Computer Science, 2011, , 239-248.	1.0	10
89	Transitions of the pre-symmetry set. , 2004, , .		9
90	Human Action Recognition Using Segmented Skeletal Features. , 2010, , .		9

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91	Evaluating the recognition of bed postures using mutual capacitance sensing. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 113-127.	0.8	9
92	The Emotive Couch - Learning Emotions by Capacitively Sensed. Procedia Computer Science, 2018, 130, 263-270.	1.2	9
93	Deep Learning-based Face Recognition and the Robustness to Perspective Distortion. , 2018, , .		9
94	Deep and Multi-Algorithmic Gender Classification of Single Fingerprint Minutiae. , 2018, , .		9
95	Robust driver foot tracking and foot gesture recognition using capacitive proximity sensing. Journal of Ambient Intelligence and Smart Environments, 2019, 11, 221-235.	0.8	9
96	Histograms of Gaussian normal distribution for 3D feature matching in cluttered scenes. Visual Computer, 2019, 35, 489-505.	2.5	9
97	Progressive Bilateral-Context Driven Model for Post-Processing Person Re-Identification. IEEE Transactions on Multimedia, 2021, 23, 1239-1251.	5.2	9
98	From a 2D Shape to a String Structure Using the Symmetry Set. Lecture Notes in Computer Science, 2004, , 313-325.	1.0	9
99	Masked face recognition: Human versus machine. IET Biometrics, 2022, 11, 512-528.	1.6	9
100	Double Deep Q-Learning With Prioritized Experience Replay for Anomaly Detection in Smart Environments. IEEE Access, 2022, 10, 60836-60848.	2.6	9
101	Exploring and exploiting the structure of saddle points in Gaussian scale space. Computer Vision and Image Understanding, 2008, 112, 337-349.	3.0	8
102	Interactive Personalization of Ambient Assisted Living Environments. Lecture Notes in Computer Science, 2011, , 567-576.	1.0	8
103	Multi-view Photometric Stereo by Example. , 2014, , .		8
104	Enhancing traffic safety with wearable low-resolution displays. , 2015, , .		8
105	CapTap. , 2016, , .		8
106	General borda count for multi-biometric retrieval. , 2017, , .		8
107	Improved estimation of motion blur parameters for restoration from a single image. PLoS ONE, 2020, 15, e0238259.	1.1	8
108	ExerTrackâ€"Towards Smart Surfaces to Track Exercises. Technologies, 2020, 8, 17.	3.0	8

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109	Demonstration and Analysis of an Extended Adaptive General Four-Component Decomposition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2573-2586.	2.3	8
110	On Soft-Biometric Information Stored in Biometric Face Embeddings. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2021, 3, 519-534.	3.8	8
111	The Common Implementation Framework as Service â€" Towards Novel Applications for Streamlined Presentation of 3D Content on the Web. Lecture Notes in Computer Science, 2014, , 3-14.	1.0	8
112	Mid-Air Gestures for Virtual Modeling with Leap Motion. Lecture Notes in Computer Science, 2016, , 221-230.	1.0	8
113	Fiber Defect Detection of Inhomogeneous Voluminous Textiles. Lecture Notes in Computer Science, 2017, , 278-287.	1.0	8
114	Deriving the Medial Axis with geometrical arguments for planar shapes. Pattern Recognition Letters, 2007, 28, 2011-2018.	2.6	7
115	Modulation transfer function of patch-based stereo systems. , 2012, , .		7
116	Visual support system for selecting reactive elements in intelligent environments. , 2012, , .		7
117	Missing data estimation in multi-biometric identification and verification. , 2013, , .		7
118	Screen-Space Ambient Occlusion Using A-Buffer Techniques. , 2013, , .		7
119	Talis â€" A Design Study for a Wearable Device to Assist People with Depression. , 2017, , .		7
120	Periocular Biometrics in Head-Mounted Displays: A Sample Selection Approach for Better Recognition. , 2020, , .		7
121	A Graphical Social Topology Model for RGB-D Multi-Person Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4305-4320.	5.6	7
122	Visual Comparison of 3D Medical Image Segmentation Algorithms Based on Statistical Shape Models. Lecture Notes in Computer Science, 2015, , 336-344.	1.0	7
123	Visual Statistics Cockpits for Information Gathering in the Policy-Making Process. Lecture Notes in Computer Science, 2013, , 86-97.	1.0	7
124	On Benchmarking Iris Recognition within a Head-mounted Display for AR/VR Applications. , 2020, , .		7
125	Practical Noise Reduction for Progressive Stochastic Ray Tracing with Perceptual Control. IEEE Computer Graphics and Applications, 2012, 32, 46-55.	1.0	6
126	Underwater stereo calibration utilizing virtual object points. , 2015, , .		6

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127	Modeling and Implementation of Multi-Position Non-Continuous Rotation Gyroscope North Finder. Sensors, 2016, 16, 1513.	2.1	6
128	Indoor Localization Based on Passive Electric Field Sensing. Lecture Notes in Computer Science, 2017, , 64-79.	1.0	6
129	Enabling Driver Feet Gestures Using Capacitive Proximity Sensing. , 2018, , .		6
130	An Integrated Deep Neural Network for Defect Detection in Dynamic Textile Textures. Lecture Notes in Computer Science, 2018, , 77-84.	1.0	6
131	The Relevance of Non-generic Events in Scale Space Models. Lecture Notes in Computer Science, 2002, , 190-204.	1.0	6
132	Ambient Gesture-Recognizing Surfaces with Visual Feedback. Lecture Notes in Computer Science, 2014, , 97-108.	1.0	6
133	Template-Driven Knowledge Distillation for Compact and Accurate Periocular Biometrics Deep-Learning Models. Sensors, 2022, 22, 1921.	2.1	6
134	Geometric skeletonization using the symmetry set. , 2005, , .		5
135	Applying Instance Visualisation and Conceptual Schema Mapping for Geodata Harmonisation. Lecture Notes in Geoinformation and Cartography, 2009, , 173-194.	0.5	5
136	Extending a distributed virtual reality system with exchangeable rendering back-ends. Visual Computer, 2013, 29, 1039-1049.	2.5	5
137	Multi-Camera Piecewise Planar Object Tracking with Mutual Information. Journal of Mathematical Imaging and Vision, 2016, 56, 591-602.	0.8	5
138	Search Intention Analysis for Task- and User-Centered Visualization in Big Data Applications. Procedia Computer Science, 2017, 104, 539-547.	1.2	5
139	A universal, closed-form approach for absolute pose problems. Computer Vision and Image Understanding, 2018, 173, 57-75.	3.0	5
140	User Similarity and Deviation Analysis for Adaptive Visualizations. Lecture Notes in Computer Science, 2014, , 64-75.	1.0	5
141	A Benchmarking Model for Sensors in Smart Environments. Lecture Notes in Computer Science, 2014, , 242-257.	1.0	5
142	AuthentiCap - A Touchless Vehicle Authentication and Personalization System. Lecture Notes in Computer Science, 2017, , 46-63.	1.0	5
143	Indexing of Single and Multi-instance Iris Data Based on LSH-Forest and Rotation Invariant Representation. Lecture Notes in Computer Science, 2017, , 190-201.	1.0	5
144	On Extending Symmetry Sets for 2D Shapes. Lecture Notes in Computer Science, 2004, , 512-520.	1.0	5

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145	Automatic Wood Log Segmentation Using Graph Cuts. Communications in Computer and Information Science, 2011, , 96-109.	0.4	5
146	Efficient Heuristic Adaptive Quadrature on GPUs: Design and Evaluation. Lecture Notes in Computer Science, 2014, , 652-662.	1.0	5
147	Unconstrained workout activity recognition on unmodified commercial off-the-shelf smartphones. , 2020, , .		5
148	Image analysis using *p* â€‑Laplacian and geometrical PDEs. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1011201-1011202.	0.2	4
149	Graph-based combinations of fragment descriptors for improved 3D Object Retrieval. , 2012, , .		4
150	Inbound interdomain traffic engineering with LISP. , 2014, , .		4
151	Privacy Protection of Biometric Templates. Communications in Computer and Information Science, 2014, , 153-158.	0.4	4
152	Extended surface distance for local evaluation of 3D medical image segmentations. Visual Computer, 2015, 31, 989-999.	2.5	4
153	Feature Fusion Information Statistics for feature matching in cluttered scenes. Computers and Graphics, 2018, 77, 50-64.	1.4	4
154	Describing and Matching 2D Shapes by Their Points of Mutual Symmetry. Lecture Notes in Computer Science, 2006, , 213-225.	1.0	4
155	Stereo-Image Normalization of Voluminous Objects Improves Textile Defect Recognition. Lecture Notes in Computer Science, 2016, , 181-192.	1.0	4
156	Visual Access to Optimization Problems in Strategic Environmental Assessment. Lecture Notes in Computer Science, 2013, , 361-372.	1.0	4
157	Functional Modelling And Simulation Of Overall System Ship â€" Virtual Methods For Engineering And Commissioning In Shipbuilding. , 2015, , .		4
158	Fusing Real-Time Depth Imaging with High Precision Pose Estimation by a Measurement Arm. , 2012, , .		3
159	Hierarchical image representation using 3D camera geometry for content-based image retrieval. Engineering Applications of Artificial Intelligence, 2014, 30, 235-241.	4.3	3
160	Measuring context relevance for adaptive semantics visualizations. , 2014, , .		3
161	Guest Editorial: Scale Space and Variational Methods. Journal of Mathematical Imaging and Vision, 2015, 52, 1-2.	0.8	3
162	Notes on Discrete Gaussian Scale Space. Journal of Mathematical Imaging and Vision, 2015, 51, 106-123.	0.8	3

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163	Curved - free-form interaction using capacitive proximity sensors. Procedia Computer Science, 2017, 109, 59-66.	1.2	3
164	Hough-space-based hypothesis generation and hypothesis verification for 3D object recognition and 6D pose estimation. Computers and Graphics, 2018, 72, 122-134.	1.4	3
165	Fingerprint and Iris Multi-Biometric Data Indexing and Retrieval. , 2018, , .		3
166	An experimental overview on electric field sensing. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 813-824.	3.3	3
167	Enhanced Multiple-Object Tracking Using Delay Processing and Binary-Channel Verification. Applied Sciences (Switzerland), 2019, 9, 4771.	1.3	3
168	Computing 3D Symmetry Sets; A Case Study. Lecture Notes in Computer Science, 2005, , 193-204.	1.0	3
169	3D Human Action Recognition Using Model Segmentation. Lecture Notes in Computer Science, 2010, , 189-199.	1.0	3
170	Modeling Users for Adaptive Semantics Visualizations. Lecture Notes in Computer Science, 2011, , 88-97.	1.0	3
171	SemaZoom: Semantics Exploration by Using a Layer-Based Focus and Context Metaphor. Lecture Notes in Computer Science, 2011, , 491-499.	1.0	3
172	Adapting User Interfaces by Analyzing Data Characteristics for Determining Adequate Visualizations. Lecture Notes in Computer Science, 2011, , 566-575.	1.0	3
173	A Comprehensive Reference Model for Personalized Recommender Systems. Lecture Notes in Computer Science, 2011, , 528-537.	1.0	3
174	Delta Global Illumination for Mixed Reality. Lecture Notes in Computer Science, 2015, , 108-118.	1.0	3
175	Investigating Low-Cost Wireless Occupancy Sensors for Beds. Lecture Notes in Computer Science, 2016, , 26-34.	1.0	3
176	Data augmentation for time series. , 2020, , .		3
177	Privacy by Design: Survey on Capacitive Proximity Sensing as System of Choice for Driver Vehicle Interfaces. , 2020, , .		3
178	Matching 2D Shapes using their Symmetry Sets. , 2006, , .		2
179	Laplacian Eigenimages in Discrete Scale Space. Lecture Notes in Computer Science, 2012, , 162-170.	1.0	2
180	Image processing by minimising L p norms. Pattern Recognition and Image Analysis, 2013, 23, 226-235.	0.6	2

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181	Text and image area classification in mobile scanned digitised documents. International Journal of Applied Pattern Recognition, 2014, 1, 173.	0.3	2
182	Benchmarking sensors in smart environmentsÂâ€" Method and use cases. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 645-664.	0.8	2
183	A Modular Rule-Based Visual Interactive Creation of Tree-Shaped Geo-Located Networks. , 2016, , .		2
184	Deferred Warping. IEEE Computer Graphics and Applications, 2017, 37, 76-87.	1.0	2
185	[POSTER] Efficient Pose Selection for Interactive Camera Calibration. , 2017, , .		2
186	Detection of Fiber Defects Using Keypoints and Deep Learning. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, 2150016.	0.7	2
187	Exploiting Deep Structure. Lecture Notes in Computer Science, 2005, , 169-180.	1.0	2
188	On Manifolds in Gaussian Scale Space. Lecture Notes in Computer Science, 2003, , 1-16.	1.0	2
189	New Approach for Optimizing the Usage of Situation Recognition Algorithms Within IoT Domains. Lecture Notes in Computer Science, 2017, , 183-196.	1.0	2
190	Qualitative and Quantitative Behaviour of Geometrical PDEs in Image Processing. , 2007, , 230-239.		2
191	Interacting with Semantics and Time. Lecture Notes in Computer Science, 2011, , 520-529.	1.0	2
192	Providing Visual Support for Selecting Reactive Elements in Intelligent Environments. Lecture Notes in Computer Science, 2013, , 248-263.	1.0	2
193	Multimodal Kinect-Supported Interaction for Visually Impaired Users. Lecture Notes in Computer Science, 2013, , 500-509.	1.0	2
194	Fundamental Aspects for E-Government. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2014, , 1-18.	0.2	2
195	The Structure of Shapes Scale Space Aspects of the (pre-) Symmetry Set. Lecture Notes in Computer Science, 2005, , 291-302.	1.0	2
196	Classifying Interaction Methods to Support Intuitive Interaction Devices for Creating User-Centered-Systems. Lecture Notes in Computer Science, 2011, , 20-29.	1.0	2
197	Singularities in Gaussian scale space that are relevant for changes in its hierarchical structure. Proceedings in Applied Mathematics and Mechanics, 2008, 8, 10935-10936.	0.2	1
198	Query-by-sketch based image retrieval using diffusion tensor fields. , 2010, , .		1

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199	Resource-constrained signal propagation modeling for tactical mobile ad hoc networks. , 2011, , .		1
200	On the Local Form and Transitions of Pre-symmetry Sets. Journal of Mathematical Imaging and Vision, 2013, 45, 13-30.	0.8	1
201	Lazy Nonlinear Diffusion Parameter Estimation. Lecture Notes in Computer Science, 2013, , 211-220.	1.0	1
202	3D Anisotropic Diffusion on GPUs by Closed-Form Local Tensor Computations. Numerical Mathematics, 2013, 6, 72-94.	0.6	1
203	Comparison of e-participation roadmap in industrial and developing countries based on Germany and Kenya. , 2014, , .		1
204	3DHOG for geometric similarity measurement and retrieval for digital cultural heritage archives. , 2015, , .		1
205	New constraints for underwater stereo calibration. , 2015, , .		1
206	Evaluating 3D thumbnails for virtual object galleries. , 2015, , .		1
207	Mutual Information-Based Tracking for Multiple Cameras and Multiple Planes. Arabian Journal for Science and Engineering, 2017, 42, 3451-3463.	1.7	1
208	Surface Acoustic Arrays to Analyze Human Activities in Smart Environments. Lecture Notes in Computer Science, 2018, , 115-130.	1.0	1
209	Prototyping Shape-Sensing Fabrics Through Physical Simulation. Lecture Notes in Computer Science, 2018, , 147-161.	1.0	1
210	Step by Step: Early Detection of Diseases Using an Intelligent Floor. Lecture Notes in Computer Science, 2018, , 131-146.	1.0	1
211	Minutiae-Based Gender Estimation for Full and Partial Fingerprints of Arbitrary Size and Shape. Lecture Notes in Computer Science, 2019, , 171-186.	1.0	1
212	Seamless and non-repetitive 4D texture variation synthesis and real-time rendering for measured optical material behavior. Computational Visual Media, 2019, 5, 161-170.	10.8	1
213	Investigating large curved interaction devices. Personal and Ubiquitous Computing, 2019, 23, 739-748.	1.9	1
214	Performing Realistic Workout Activity Recognition on Consumer Smartphones. Technologies, 2020, 8, 65.	3.0	1
215	Search Intention Analysis for User-Centered Adaptive Visualizations. Lecture Notes in Computer Science, 2011, , 317-326.	1.0	1
216	Discrete Deep Structure. Lecture Notes in Computer Science, 2013, , 343-354.	1.0	1

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217	A self-adaptive learning method for motion blur kernel estimation of the single image. Optik, 2021, 248, 168023.	1.4	1
218	3D Model Retrieval Using the Histogram of Orientation of Suggestive Contours. Lecture Notes in Computer Science, 2011, , 367-376.	1.0	1
219	Weighted Patch-Based Reconstruction: Linking (Multi-view) Stereo to Scale Space. Lecture Notes in Computer Science, 2013, , 234-245.	1.0	1
220	A Gesture Recognition Method for Proximity-Sensing Surfaces in Smart Environments. Lecture Notes in Computer Science, 2015, , 163-173.	1.0	1
221	Semi-automatic Analysis of Huge Digital Nautical Charts of Coastal Aerial Images. , 2015, , .		1
222	Visualization of Composer Relationships Using Implicit Data Graphs. Lecture Notes in Computer Science, 2016, , 300-312.	1.0	1
223	Texturizing and Refinement of 3D City Models with Mobile Devices. Lecture Notes in Computer Science, 2017, , 313-324.	1.0	1
224	Piggybacking Detection Based on Coupled Body-Feet Recognition at Entrance Control. Lecture Notes in Computer Science, 2019, , 780-789.	1.0	1
225	AutoSNAP: Automatically Learning Neural Architectures for Instrument Pose Estimation. Lecture Notes in Computer Science, 2020, , 375-384.	1.0	1
226	Performance Comparison of E-Textile Electrode Properties in a Capacitive Proximity Sensing Setting. , 2022, , .		1
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