

Joonki Paik

List of Publications by Citations

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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.

258
papers

2,755
citations

24
h-index

45
g-index

370
ext. papers

3,608
ext. citations

2.4
avg, IF

5.31
L-index

#	Paper	IF	Citations
258	Recent advances in visual and infrared face recognition—review. <i>Computer Vision and Image Understanding</i> , 2005 , 97, 103-135	4.3	342
257	Contrast enhancement system using spatially adaptive histogram equalization with temporal filtering. <i>IEEE Transactions on Consumer Electronics</i> , 1998 , 44, 82-87	4.8	219
256	Image restoration using a modified Hopfield network. <i>IEEE Transactions on Image Processing</i> , 1992 , 1, 49-63	8.7	123
255	Adaptive contrast enhancement using gain-controllable clipped histogram equalization. <i>IEEE Transactions on Consumer Electronics</i> , 2008 , 54, 1803-1810	4.8	96
254	Low-light image enhancement using variational optimization-based retinex model. <i>IEEE Transactions on Consumer Electronics</i> , 2017 , 63, 178-184	4.8	80
253	Normal Vector Voting: Crease Detection and Curvature Estimation on Large, Noisy Meshes. <i>Graphical Models</i> , 2002 , 64, 199-229	0.9	80
252	An adaptive motion decision system for digital image stabilizer based on edge pattern matching. <i>IEEE Transactions on Consumer Electronics</i> , 1992 , 38, 607-616	4.8	60
251	Dual Autoencoder Network for Retinex-Based Low-Light Image Enhancement. <i>IEEE Access</i> , 2018 , 6, 22084-22093	3.5	59
250	Real-time video tracking using PTZ cameras 2003 ,		53
249	Noise-adaptive spatio-temporal filter for real-time noise removal in low light level images. <i>IEEE Transactions on Consumer Electronics</i> , 2005 , 51, 648-653	4.8	50
248	Contrast Enhancement Using Dominant Brightness Level Analysis and Adaptive Intensity Transformation for Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013 , 10, 62-66 ^{4.1}	4.1	49
247	Optical flow-based real-time object tracking using non-prior training active feature model. <i>Real Time Imaging</i> , 2005 , 11, 204-218		44
246	Point fingerprint: a new 3-D object representation scheme. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2003 , 33, 712-7		40
245	Gait recognition using active shape model and motion prediction. <i>IET Computer Vision</i> , 2010 , 4, 25	1.4	37
244	Adaptive defogging with color correction in the HSV color space for consumer surveillance system. <i>IEEE Transactions on Consumer Electronics</i> , 2012 , 58, 111-116	4.8	36
243	Color active shape models for tracking non-rigid objects. <i>Pattern Recognition Letters</i> , 2003 , 24, 1751-1765 ^{4.7}	4.7	36
242	Adaptive mode decision for H.264 encoder. <i>Electronics Letters</i> , 2004 , 40, 1172	1.1	35

241	Out-of-focus blur estimation and restoration for digital auto-focusing system. <i>Electronics Letters</i> , 1998 , 34, 1217	1.1	35
240	Simultaneous out-of-focus blur estimation and restoration for digital auto-focusing system. <i>IEEE Transactions on Consumer Electronics</i> , 1998 , 44, 1071-1075	4.8	33
239	An edge-preserving image interpolation system for a digital camcorder. <i>IEEE Transactions on Consumer Electronics</i> , 1996 , 42, 279-284	4.8	30
238	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 30-44	6.6	30
237	Multifocusing and depth estimation using a color shift model-based computational camera. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4152-66	8.7	29
236	Regularized iterative image interpolation and its application to spatially scalable coding. <i>IEEE Transactions on Consumer Electronics</i> , 1998 , 44, 1042-1047	4.8	28
235	Single image-based ghost-free high dynamic range imaging using local histogram stretching and spatially-adaptive denoising. <i>IEEE Transactions on Consumer Electronics</i> , 2011 , 57, 1478-1484	4.8	26
234	Wavelet-domain color image enhancement using filtered directional bases and frequency-adaptive shrinkage. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 1063-1070	4.8	24
233	. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 1204-1210	4.8	24
232	Memory-efficient H.264/AVC CAVLC for fast decoding. <i>IEEE Transactions on Consumer Electronics</i> , 2006 , 52, 943-952	4.8	24
231	Fisheye lens camera based surveillance system for wide field of view monitoring. <i>Optik</i> , 2016 , 127, 5636-5646	5.46	24
230	Robust focus measure for unsupervised auto-focusing based on optimum discrete cosine transform coefficients. <i>IEEE Transactions on Consumer Electronics</i> , 2011 , 57, 1-5	4.8	23
229	. <i>IEEE Transactions on Consumer Electronics</i> , 1991 , 37, 521-530	4.8	23
228	Fast image restoration for spatially varying defocus blur of imaging sensor. <i>Sensors</i> , 2015 , 15, 880-98	3.8	20
227	High-Fidelity RGB Video Coding Using Adaptive Inter-Plane Weighted Prediction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 1051-1056	6.4	20
226	Wavelength-adaptive dehazing using histogram merging-based classification for UAV images. <i>Sensors</i> , 2015 , 15, 6633-51	3.8	19
225	Sensor-based auto-focusing system using multi-scale feature extraction and phase correlation matching. <i>Sensors</i> , 2015 , 15, 5747-62	3.8	19
224	Color Shift Model-Based Segmentation and Fusion for Digital Autofocusing. <i>Journal of Imaging Science and Technology</i> , 2007 , 51, 368	1.2	19

223	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6392-6401	8.9	18
222	Regularized Restoration Using Image Fusion for Digital Auto-Focusing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 1360-1369	6.4	18
221	Contrast-dependent saturation adjustment for outdoor image enhancement. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017 , 34, 7-17	1.8	18
220	Low-Light Image Enhancement Using Adaptive Digital Pixel Binning. <i>Sensors</i> , 2015 , 15, 14917-31	3.8	17
219	Improved elastic registration for removing ghost artifacts in high dynamic imaging. <i>IEEE Transactions on Consumer Electronics</i> , 2011 , 57, 932-935	4.8	17
218	Hierarchical active shape model with motion prediction for real-time tracking of non-rigid objects. <i>IET Computer Vision</i> , 2007 , 1, 17-24	1.4	16
217	Correction of Barrel Distortion in Fisheye Lens Images Using Image-Based Estimation of Distortion Parameters. <i>IEEE Access</i> , 2019 , 7, 45723-45733	3.5	15
216	. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 317-323	4.8	15
215	Real-time bayer-domain image restoration for an extended depth of field (EDoF) camera. <i>IEEE Transactions on Consumer Electronics</i> , 2009 , 55, 1756-1764	4.8	15
214	Combined shape and feature-based video analysis and its application to non-rigid object tracking. <i>IET Image Processing</i> , 2011 , 5, 87	1.7	14
213	Low-light image restoration using bright channel prior-based variational Retinex model. <i>Eurasip Journal on Image and Video Processing</i> , 2017 , 2017,	2.5	13
212	Distance estimation using a single computational camera with dual off-axis color filtered apertures. <i>Optics Express</i> , 2013 , 21, 23116-29	3.3	13
211	Hyperspectral face recognition using improved inter-channel alignment based on qualitative prediction models. <i>Optics Express</i> , 2016 , 24, 27637-27662	3.3	13
210	Fast and Robust Object Tracking Using Tracking Failure Detection in Kernelized Correlation Filter. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 713	2.6	12
209	. <i>IEEE Transactions on Consumer Electronics</i> , 2018 , 64, 69-76	4.8	12
208	Active Shape Model-Based Gait Recognition Using Infrared Images. <i>Communications in Computer and Information Science</i> , 2009 , 275-281	0.3	12
207	Single image super-resolution using locally adaptive multiple linear regression. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 2264-75	1.8	11
206	Video Stabilization Using Kalman Filter and Phase Correlation Matching. <i>Lecture Notes in Computer Science</i> , 2005 , 141-148	0.9	11

205	Multi-frame example-based super-resolution using locally directional self-similarity. <i>IEEE Transactions on Consumer Electronics</i> , 2015 , 61, 353-358	4.8	10
204	Robust Video Stabilization Using Particle Keypoint Update and \mathbb{L}_0 -Optimized Camera Path. <i>Sensors</i> , 2017 , 17,	3.8	10
203	Push-Broom-Type Very High-Resolution Satellite Sensor Data Correction Using Combined Wavelet-Fourier and Multiscale Non-Local Means Filtering. <i>Sensors</i> , 2015 , 15, 22826-53	3.8	10
202	. <i>IEEE Transactions on Consumer Electronics</i> , 2014 , 60, 18-22	4.8	9
201	Variational framework for low-light image enhancement using optimal transmission map and combined \mathbb{L}_1 and \mathbb{L}_2 -minimization. <i>Signal Processing: Image Communication</i> , 2017 , 58, 99-110	2.8	9
200	Adaptively partitioned block-based contrast enhancement and its application to low light-level video surveillance. <i>SpringerPlus</i> , 2015 , 4, 431		9
199	Digital image stabilization based on statistical selection of feasible regions. <i>IEEE Transactions on Consumer Electronics</i> , 2009 , 55, 1748-1755	4.8	9
198	Fast Image Restoration for Reducing Block Artifacts Based on Adaptive Constrained Optimization. <i>Journal of Visual Communication and Image Representation</i> , 1998 , 9, 234-242	2.7	9
197	Real-time iterative framework of regularized image restoration and its application to video enhancement. <i>Real Time Imaging</i> , 2003 , 9, 61-72		9
196	Real-time super-resolution for digital zooming using finite kernel-based edge orientation estimation and truncated image restoration 2013 ,		8
195	Flicker removal for CMOS wide dynamic range imaging based on alternating current component analysis. <i>IEEE Transactions on Consumer Electronics</i> , 2014 , 60, 294-301	4.8	8
194	Contrast Enhancement for Low-light Image Enhancement: A Survey. <i>IEIE Transactions on Smart Processing and Computing</i> , 2018 , 7, 36-48	1.2	8
193	SdBAN: Salient Object Detection Using Bilateral Attention Network With Dice Coefficient Loss. <i>IEEE Access</i> , 2020 , 8, 104357-104370	3.5	8
192	Intelligent Image-Based Railway Inspection System Using Deep Learning-Based Object Detection and Weber Contrast-Based Image Comparison. <i>Sensors</i> , 2019 , 19,	3.8	8
191	Moving object detection using unstable camera for video surveillance systems. <i>Optik</i> , 2015 , 126, 2436-2441	4.5	7
190	Depth map generation using a single image sensor with phase masks. <i>Optics Express</i> , 2016 , 24, 12868-783,3	3.3	7
189	Optimum Geometric Transformation and Bipartite Graph-Based Approach to Sweat Pore Matching for Biometric Identification. <i>Symmetry</i> , 2018 , 10, 175	2.7	7
188	Fisheye lens-based surveillance camera for wide field-of-view monitoring 2015 ,		7

187	Real-time image restoration for digital multifocusing in a multiple color-filter aperture camera. <i>Optical Engineering</i> , 2010 , 49, 040502	1.1	7
186	Multimodal Priority Verification of Face and Speech Using Momentum Back-Propagation Neural Network. <i>Lecture Notes in Computer Science</i> , 2006 , 140-149	0.9	7
185	Surface modeling using multi-view range and color images. <i>Integrated Computer-Aided Engineering</i> , 2003 , 10, 37-50	5.2	7
184	Recent Advances in Feature Detectors and Descriptors: A Survey. <i>IEIE Transactions on Smart Processing and Computing</i> , 2016 , 5, 153-163	1.2	7
183	Object Occlusion Detection Using Automatic Camera Calibration for a Wide-Area Video Surveillance System. <i>Sensors</i> , 2016 , 16,	3.8	7
182	Fundamentals of Digital Image Processing. <i>Signals and Communication Technology</i> , 2018 , 3-11	0.5	7
181	Multisensor Super Resolution Using Directionally-Adaptive Regularization for UAV Images. <i>Sensors</i> , 2015 , 15, 12053-79	3.8	6
180	Single image-based spatially adaptive dynamic range extension using combined color-channels transmission map. <i>Optik</i> , 2015 , 126, 912-916	2.5	6
179	Adaptive background generation for automatic detection of initial object region in multiple color-filter aperture camera-based surveillance system. <i>IEEE Transactions on Consumer Electronics</i> , 2012 , 58, 104-110	4.8	6
178	Multiple moving object segmentation using motion orientation histogram in adaptively partitioned blocks for high-resolution video surveillance systems. <i>Optik</i> , 2015 , 126, 2063-2069	2.5	6
177	Extended fisheye lens model for practical geometric correction and image enhancement. <i>Optics Letters</i> , 2014 , 39, 6261-4	3	6
176	Spatially adaptive antialiasing for enhancement of mobile imaging system using combined wavelet-fourier transform. <i>IEEE Transactions on Consumer Electronics</i> , 2013 , 59, 862-868	4.8	6
175	Single image-based depth estimation using dual off-axis color filtered aperture camera 2013 ,		6
174	Dark channel prior-based spatially adaptive contrast enhancement for back lighting compensation 2013 ,		6
173	Weighted image defogging method using statistical RGB channel feature extraction 2010 ,		6
172	Video object segmentation and its salient motion detection using adaptive background generation. <i>Electronics Letters</i> , 2009 , 45, 542	1.1	6
171	Blocking effect reduction of compressed images using classification-based constrained optimization. <i>Signal Processing: Image Communication</i> , 2000 , 15, 869-877	2.8	6
170	An edge detection algorithm using multi-state adalines. <i>Pattern Recognition</i> , 1992 , 25, 1495-1504	7.7	6

169	Multiscale Transforms with Application to Image Processing. <i>Signals and Communication Technology</i> , 2018 ,	0.5	6
168	Object Detection and Tracking-Based Camera Calibration for Normalized Human Height Estimation. <i>Journal of Sensors</i> , 2016 , 2016, 1-9	2	6
167	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	6
166	Three-dimensional simulation method of fish-eye lens distortion for a vehicle backup rear-view camera. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 1337-43 ⁸	1.8	5
165	Example-based super-resolution using self-patches and approximated constrained least squares filter 2014 ,		5
164	Color Correction for Multiple Light Sources Using Profile Correction System. <i>Journal of Imaging Science and Technology</i> , 2009 , 53, 050501	1.2	5
163	Face recognition: evaluation report for Facelt identification and surveillance 2003 , 5132, 551		5
162	Robust parking occupancy monitoring system using random forests 2018 ,		4
161	Violence detection for video surveillance system using irregular motion information 2018 ,		4
160	Blind deconvolution using maximum a posteriori (MAP) estimation with directional edge based priori. <i>Optik</i> , 2018 , 157, 1129-1142	2.5	4
159	Improved DCP-based image defogging using stereo images 2016 ,		4
158	Image Dehazing and Enhancement Using Principal Component Analysis and Modified Haze Features. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1321	2.6	4
157	Fast digital zooming system using directionally adaptive image interpolation and restoration. <i>SpringerPlus</i> , 2014 , 3, 713		4
156	Continuous digital zooming using local self-similarity-based super-resolution for an asymmetric dual camera system. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017 , 34, 991-1003	1.8	4
155	Single camera-based full depth map estimation using color shifting property of a multiple color-filter aperture 2012 ,		4
154	Spatially adaptive image defogging using edge analysis and gradient-based tone mapping 2011 ,		4
153	Vaguelette-wavelet decomposition for frequency adaptive image restoration using directional wavelet bases. <i>IEEE Transactions on Consumer Electronics</i> , 2011 , 57, 218-223	4.8	4
152	Efficient RGB Video Coding Using Adaptive Inter-Plane Residual Prediction 2008 ,		4

151	Automatic face region tracking for highly accurate face recognition in unconstrained environments		4
150	. <i>IEEE Transactions on Consumer Electronics</i> , 1993 , 39, 398-406	4.8	4
149	Scene Mapping-based Video Registration Using Frame Similarity Measurement and Feature Tracking. <i>IEIE Transactions on Smart Processing and Computing</i> , 2019 , 8, 456-464	1.2	4
148	Normalized Metadata Generation for Human Retrieval Using Multiple Video Surveillance Cameras. <i>Sensors</i> , 2016 , 16,	3.8	4
147	Improved Center and Scale Prediction-Based Pedestrian Detection Using Convolutional Block 2019 ,		4
146	Real-Time Visual Tracking with Variational Structure Attention Network. <i>Sensors</i> , 2019 , 19,	3.8	4
145	Pattern Selective Image Fusion for Multi-focus Image Reconstruction. <i>Lecture Notes in Computer Science</i> , 2005 , 677-684	0.9	4
144	Robust Visual Tracking Using Structure-Preserving Sparse Learning. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 707-711	3.2	3
143	Three-dimensional object motion and velocity estimation using a single computational RGB-D camera. <i>Sensors</i> , 2015 , 15, 995-1007	3.8	3
142	Single image super-resolution based on subpixel shifting model. <i>Optik</i> , 2015 , 126, 4954-4959	2.5	3
141	Camera Orientation Estimation Using Motion-Based Vanishing Point Detection for Advanced Driver-Assistance Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-11	6.1	3
140	Edge-aware image filtering using a structure-guided CNN. <i>IET Image Processing</i> , 2020 , 14, 472-479	1.7	3
139	Applications of multiscale transforms to image denoising: Survey 2018 ,		3
138	Real-time spatially adaptive image restoration using truncated constrained least squares filter 2014 ,		3
137	Dark channel prior-based white point estimation for automatic white balance 2014 ,		3
136	Low-Rank Representation-Based Object Tracking Using Multitask Feature Learning with Joint Sparsity. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-12	0.7	3
135	Object tracking using compressive local appearance model with ℓ_1 -regularisation. <i>Electronics Letters</i> , 2014 , 50, 444-446	1.1	3
134	Automatic top-view transformation for vehicle backup rear-view camera 2014 ,		3

133	Colour analysis on portable sphere for custom white balance with multiple illuminations. <i>Electronics Letters</i> , 2010 , 46, 129	1.1	3
132	Simultaneous object tracking and depth estimation using color shifting property of a multiple color-filter aperture camera 2011 ,		3
131	Fingerprint Watermarking for H.264 Streaming Media 2007 ,		3
130	Genetic Algorithm-Based Watermarking in Discrete Wavelet Transform Domain. <i>Lecture Notes in Computer Science</i> , 2006 , 709-716	0.9	3
129	Adaptive regularized noise smoothing of dense range image using directional Laplacian operators 2001 ,		3
128	Triangle mesh-based surface modeling using adaptive smoothing and implicit surface texture integration		3
127	Feature Fusion-Based Multiple People Tracking. <i>Lecture Notes in Computer Science</i> , 2005 , 843-853	0.9	3
126	Face Recognition Using Optimized 3D Information from Stereo Images. <i>Lecture Notes in Computer Science</i> , 2005 , 1048-1056	0.9	3
125	Gated Dehazing Network via Least Square Adversarial Learning. <i>Sensors</i> , 2020 , 20,	3.8	3
124	Flicker-free low-light video enhancement using patch-similarity and adaptive accumulation 2016 ,		3
123	Real-Time Multiple Pedestrian Tracking Based on Object Identification 2019 ,		3
122	Real-Time Surveillance System for Analyzing Abnormal Behavior of Pedestrians. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6153	2.6	3
121	Evolutionary Algorithm-Based Background Generation for Robust Object Detection. <i>Lecture Notes in Computer Science</i> , 2006 , 542-552	0.9	3
120	A Robust Watermarking Algorithm Using Attack Pattern Analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 757-766	0.9	3
119	Low-light image enhancement using variational optimization-based Retinex model 2017 ,		2
118	Multi-frame example-based super-resolution using locally directional self-similarity 2015 ,		2
117	Depth-based defocus map estimation using off-axis apertures. <i>Optics Express</i> , 2015 , 23, 21958-71	3.3	2
116	Single Camera-Based Depth Estimation and Improved Continuously Adaptive Mean Shift Algorithm for Tracking Occluded Objects. <i>Lecture Notes in Computer Science</i> , 2015 , 246-252	0.9	2

115	Low-light Image Enhancement Using Dual Convolutional Neural Networks for Vehicular Imaging Systems 2020 ,		2
114	Iterative Refinement of Transmission Map for Stereo Image Defogging Using a Dual Camera Sensor. <i>Sensors</i> , 2017 , 17,	3.8	2
113	Video summarization using feature dissimilarity 2016 ,		2
112	Local self similarity-based super-resolution for asymmetric dual-camera 2016 ,		2
111	Camera orientation estimation using motion based vanishing point detection for automatic driving assistance system 2018 ,		2
110	Frequency-domain analysis of discrete wavelet transform coefficients and their adaptive shrinkage for anti-aliasing 2013 ,		2
109	Robust sub-pixel image registration based on combination of local phase correlation and feature analysis 2014 ,		2
108	Directionally adaptive cubic-spline interpolation using optimized interpolation kernel and edge orientation for mobile digital zoom system 2014 ,		2
107	Automatic moving object segmentation using histogram-based graph cut and label maps. <i>Electronics Letters</i> , 2012 , 48, 1198	1.1	2
106	Uniform depth region-based registration between colour channels and its application to single camera-based multifocusing. <i>IET Image Processing</i> , 2013 , 7, 50-60	1.7	2
105	Geometrical transformation-based ghost artifacts removing for high dynamic range image 2011 ,		2
104	Color-invariant three-dimensional feature descriptor for color-shift-model-based image processing. <i>Optical Engineering</i> , 2011 , 50, 117005	1.1	2
103	Multi-Modal Human Verification Using Face and Speech 2006 ,		2
102	Restoration of differential images for enhancement of compressed video. <i>Journal of Visual Communication and Image Representation</i> , 2004 , 15, 91-109	2.7	2
101	Real-time digital autofocus using a priori estimated set of PSFs 2004 , 5297, 66		2
100	. <i>IEEE Transactions on Consumer Electronics</i> , 1995 , 41, 563-572	4.8	2
99	Variational Low-light Image Enhancement based on a Haze Model. <i>IEIE Transactions on Smart Processing and Computing</i> , 2018 , 7, 325-331	1.2	2
98	Robust Kernelized Correlation Filter using Adaptive Feature Weight. <i>IEIE Transactions on Smart Processing and Computing</i> , 2018 , 7, 433-439	1.2	2

97	Vision-based Railway Inspection System using Multiple Object Detection and Image Registration. <i>IEIE Transactions on Smart Processing and Computing</i> , 2018 , 7, 440-447	1.2	2
96	Optical Flow-Based Tracking of Deformable Objects Using a Non-prior Training Active Feature Model. <i>Lecture Notes in Computer Science</i> , 2004 , 69-78	0.9	2
95	Multi-object Digital Auto-focusing Using Image Fusion. <i>Lecture Notes in Computer Science</i> , 2005 , 202-209	0.9	2
94	Camera orientation estimation using voting approach on the Gaussian sphere for in-vehicle camera. <i>Optics Express</i> , 2019 , 27, 26600-26614	3.3	2
93	Illuminant-invariant stereo matching using cost volume and confidence-based disparity refinement. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, 1768-1776	1.8	2
92	Robust Feature Detection Using 2D Wavelet Transform Under Low Light Environment 2006 , 1042-1050		2
91	Gait Recognition Using Active Shape Models 2007 , 384-394		2
90	Image Fusion using Asymmetric Dual Camera for Digital Zooming 2016 ,		2
89	Comparative Analysis of Wavelet-Based Scale-Invariant Feature Extraction Using Different Wavelet Bases. <i>Communications in Computer and Information Science</i> , 2009 , 297-303	0.3	2
88	Enhanced Action Recognition Using Multiple Stream Deep Learning with Optical Flow and Weighted Sum. <i>Sensors</i> , 2020 , 20,	3.8	2
87	Action Recognition Network Using Stacked Short-Term Deep Features and Bidirectional Moving Average. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5563	2.6	2
86	Optimization Techniques in Computer Vision. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 ,	1.1	2
85	Keypoint-based object tracking using modified median flow 2016 ,		2
84	Seamless registration of dual camera images using optimal mask-based image fusion 2016 ,		2
83	Brightness and color correction for dual camera image registration 2016 ,		2
82	2016 ,		2
81	Human height analysis using multiple uncalibrated cameras 2016 ,		2
80	Removal of underwater turbidity using an optical imaging platform 2016 ,		2

79	Wavelets and Wavelet Transform. <i>Signals and Communication Technology</i> , 2018 , 45-92	0.5	2
78	Partial Block Scheme and Adaptive Update Model for Kernelized Correlation Filters-Based Object Tracking. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1349	2.6	2
77	Photo-Realistic Image Dehazing and Verifying Networks via Complementary Adversarial Learning. <i>Sensors</i> , 2021 , 21,	3.8	2
76	Person re-identification using color name descriptor-based sparse representation 2017 ,		1
75	Context Aware Vehicle Detection using Correlation Filter 2019 ,		1
74	UHD TV image enhancement using example-based spatially adaptive image restoration filter. <i>Displays</i> , 2015 , 40, 88-95	3.4	1
73	Deep Binary Classification via Multi-Resolution Network and Stochastic Orthogonality for Subcompact Vehicle Recognition. <i>Sensors</i> , 2020 , 20,	3.8	1
72	Texture-Aware Deblurring for Remote Sensing Images Using ℓ_0 -Based Deblurring and ℓ_2 -Based Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 3094-3108	4.7	1
71	Robust pedestrian height estimation using principal component analysis and its application to automatic camera calibration 2018 ,		1
70	Non-dyadic fisheye lens correction model for image enhancement. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 2148-55	1.8	1
69	Low-light image enhancement using fast adaptive binning for mobile phone cameras 2015 ,		1
68	Probabilistic exhibition information estimation model for optimal configuration of exhibition space 2015 ,		1
67	Liquid-level estimation using region-based segmentation for automatic beverage refilling service 2015 ,		1
66	Defocus-invariant image registration for phase-difference detection auto focusing 2014 ,		1
65	Recycling of histogram bins for improving image contrast 2012 ,		1
64	Compressive sensing-based image denoising using adaptive multiple sampling and optimal error tolerance 2013 ,		1
63	Peripheral region enhancement of geometrically compensated images from a fisheye lens 2011 ,		1
62	Image Enhancement Using Similarity-Based Color Matching for High-Quality Stereoscopic 3D Image Acquisition 2012 ,		1

61	Hierarchical pose classification based on human physiology for behaviour analysis. <i>IET Computer Vision</i> , 2010 , 4, 12	1.4	1
60	A fast adaptive image restoration filter for reducing block artifact in compressed images. <i>IEEE Transactions on Consumer Electronics</i> , 1997 , 43, 1340-1346	4.8	1
59	Blur Identification and Image Restoration Based on Evolutionary Multiple Object Segmentation for Digital Auto-focusing. <i>Lecture Notes in Computer Science</i> , 2004 , 656-668	0.9	1
58	Towards computer-aided reverse engineering of heavy vehicle parts using laser range imaging techniques. <i>International Journal of Heavy Vehicle Systems</i> , 2004 , 11, 434	0.5	1
57	Object-based image restoration for multilayer autofocusing 2004 , 5308, 893		1
56	Active shape model-based real-time tracking of deformable objects 2005 , 6006, 166		1
55	Regularized Multichannel Blind Deconvolution Using Alternating Minimization. <i>IEIE Transactions on Smart Processing and Computing</i> , 2015 , 4, 413-421	1.2	1
54	Adaptive White Point Extraction based on Dark Channel Prior for Automatic White Balance. <i>IEIE Transactions on Smart Processing and Computing</i> , 2016 , 5, 383-389	1.2	1
53	Motion-Based Hierarchical Active Contour Model for Deformable Object Tracking. <i>Lecture Notes in Computer Science</i> , 2005 , 806-813	0.9	1
52	Isotropic Blur Identification for Fully Digital Auto-focusing. <i>Lecture Notes in Computer Science</i> , 2005 , 1254-1324	1.32	1
51	Adaptive Background Generation for Video Object Segmentation. <i>Lecture Notes in Computer Science</i> , 2006 , 871-880	0.9	1
50	Hierarchical Blur Identification from Severely Out-of-Focus Images. <i>Lecture Notes in Computer Science</i> , 2006 , 1334-1342	0.9	1
49	Active Shape Model-Based Object Tracking in Panoramic Video. <i>Lecture Notes in Computer Science</i> , 2006 , 922-929	0.9	1
48	Model-Based Gait Recognition Using Multiple Feature Detection. <i>Lecture Notes in Computer Science</i> , 2008 , 1018-1029	0.9	1
47	Regularized Image Interpolation Based on Data Fusion. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 139-155	1.1	1
46	Ring Artifact Removal in Digital Restored Images Using Multi-Resolution Edge Map. <i>Communications in Computer and Information Science</i> , 2009 , 221-227	0.3	1
45	Uniformity Attentive Learning-Based Siamese Network for Person Re-Identification. <i>Sensors</i> , 2020 , 20,	3.8	1
44	Optical range-finding system using a single-image sensor with liquid crystal display aperture. <i>Optics Letters</i> , 2016 , 41, 5154-5157	3	1

43	Robust feature detection using particle keypoints and its application to video stabilization in a consumer handheld camera 2016 ,		1
42	Pre-Activated 3D CNN and Feature Pyramid Network for Traffic Accident Detection 2020 ,		1
41	Metadata Extraction Using DeepLab V3 and Probabilistic Latent Semantic Analysis for Intelligent Visual Surveillance Systems 2020 ,		1
40	Continuous digital zooming of asymmetric dual camera images using registration and variational image restoration. <i>Multidimensional Systems and Signal Processing</i> , 2018 , 29, 1959-1987	1.8	1
39	Image Restoration. <i>Signals and Communication Technology</i> , 2018 , 133-198	0.5	1
38	Image Enhancement. <i>Signals and Communication Technology</i> , 2018 , 199-231	0.5	1
37	Hybrid Sensor Network-Based Indoor Surveillance System for Intrusion Detection. <i>Symmetry</i> , 2018 , 10, 181	2.7	1
36	Disparity-selective stereo matching using correlation confidence measure. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018 , 35, 1653-1662	1.8	1
35	Pyramid Attention Upsampling Module for Object Detection. <i>IEEE Access</i> , 2022 , 10, 38742-38749	3.5	1
34	Fast motion deblurring using sensor-aided motion trajectory estimation. <i>Scientific World Journal, The</i> , 2014 , 2014, 649272	2.2	0
33	Regularized Image Restoration by Means of Fusion for Digital Auto Focusing. <i>Lecture Notes in Computer Science</i> , 2005 , 929-934	0.9	0
32	Application of VR Technology in the Optimization Modeling of Port Wave-proof Building. <i>Journal of Coastal Research</i> , 2019 , 97, 267	0.6	0
31	CF-CNN: Coarse-to-Fine Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3722	2.6	0
30	Restoration of Damaged Korean Films by Using Various Image-Processing Techniques. <i>Smppte Motion Imaging Journal</i> , 2011 , 120, 45-49	0.4	
29	Performance analysis of color spaces for optimally fitting the active shape model 2004 , 5299, 345		
28	Dynamic region-of-interest acquisition and face tracking for intelligent surveillance system 2004 , 5299, 369		
27	Pose-Invariant Face Detection Using Edge-Like Blob Map and Fuzzy Logic. <i>Lecture Notes in Computer Science</i> , 2005 , 695-704	0.9	
26	Point Cloud Generation Using Deep Adversarial Local Features for Augmented and Mixed Reality Contents. <i>IEEE Transactions on Consumer Electronics</i> , 2022 , 1-1	4.8	

25	Spatio-temporally Adaptive Regularization for Enhancement of Motion Compensated Wavelet Coded Video. <i>Lecture Notes in Computer Science</i> , 2004 , 232-240	0.9
24	Evolutionary Algorithm-Based Local Structure Modeling for Improved Active Shape Model. <i>Lecture Notes in Computer Science</i> , 2004 , 359-368	0.9
23	Surface Smoothing for Enhancement of 3D Data Using Curvature-Based Adaptive Regularization. <i>Lecture Notes in Computer Science</i> , 2004 , 488-501	0.9
22	Self-generation ART Neural Network for Character Recognition. <i>Lecture Notes in Computer Science</i> , 2006 , 277-286	0.9
21	Binary Edge Based Adaptive Motion Correction for Accurate and Robust Digital Image Stabilization. <i>Lecture Notes in Computer Science</i> , 2006 , 1142-1149	0.9
20	Improved Face Recognition Using Extended Modular Principal Component Analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 599-607	0.9
19	Non-Dyadic Lens Distortion Correction and Image Enhancement Based on Local Self-Similarity. <i>Journal of the Institute of Electronics and Information Engineers</i> , 2014 , 51, 147-153	0.8
18	Computational Approach to Color Overlapped Integral Imaging for Depth Estimation. <i>IEIE Transactions on Smart Processing and Computing</i> , 2014 , 3, 382-387	1.2
17	Selection of the Regularization Parameter. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 29-50	1.1
16	Multimodal Scene Reconstruction Using Genetic Algorithm-Based Optimization. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 219-247	1.1
15	Ill-Posed Problems in Imaging and Computer Vision. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 3-27	1.1
14	Unconstrained Optimization. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 69-92	1.1
13	Regularized 3D Image Smoothing. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 197-218	1.1
12	Constrained Optimization. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 93-110	1.1
11	Enhancement of Compressed Video. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 159-177	1.1
10	Frequency-Domain Implementation of Regularization. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 113-130	1.1
9	Iterative Methods. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 131-138	1.1
8	Distance Estimation with a Two or Three Aperture SLR Digital Camera. <i>Lecture Notes in Computer Science</i> , 2013 , 25-36	0.9

- 7 Backlit Region Detection Using Adaptively Partitioned Block and Fuzzy C-means Clustering for Backlit Image Enhancement. *Journal of the Institute of Electronics and Information Engineers*, **2014**, 51, 124-132 0.8
- 6 SNS-CF: Siamese Network with Spatially Semantic Correlation Features for Object Tracking. *Sensors*, **2020**, 20, 3.8
- 5 Volumetric Description of Three-Dimensional Objects for Object Recognition. *Advances in Computer Vision and Pattern Recognition*, **2016**, 179-196 1.1
- 4 HLDNet: Abandoned Object Detection Using Hand Luggage Detection Network. *IEEE Consumer Electronics Magazine*, **2021**, 1-1 3.2
- 3 Fourier Analysis and Fourier Transform. *Signals and Communication Technology*, **2018**, 15-43 0.5
- 2 New Multiscale Constructions. *Signals and Communication Technology*, **2018**, 93-129 0.5
- 1 Robust Feature Detection Using 2D Wavelet Transform Under Low Light Environment 1042-1050