

# Joonki Paik

## 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.

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	Point Cloud Generation Using Deep Adversarial Local Features for Augmented and Mixed Reality Contents. <i>IEEE Transactions on Consumer Electronics</i> , <b>2022</b> , 1-1	4.8	
257	Pyramid Attention Upsampling Module for Object Detection. <i>IEEE Access</i> , <b>2022</b> , 10, 38742-38749	3.5	1
256	CF-CNN: Coarse-to-Fine Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3722	2.6	0
255	Action Recognition Network Using Stacked Short-Term Deep Features and Bidirectional Moving Average. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5563	2.6	2
254	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	6
253	HLDNet: Abandoned Object Detection Using Hand Luggage Detection Network. <i>IEEE Consumer Electronics Magazine</i> , <b>2021</b> , 1-1	3.2	
252	Real-Time Surveillance System for Analyzing Abnormal Behavior of Pedestrians. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6153	2.6	3
251	Photo-Realistic Image Dehazing and Verifying Networks via Complementary Adversarial Learning. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
250	Deep Binary Classification via Multi-Resolution Network and Stochastic Orthogonality for Subcompact Vehicle Recognition. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1
249	Camera Orientation Estimation Using Motion-Based Vanishing Point Detection for Advanced Driver-Assistance Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-11	6.1	3
248	Texture-Aware Deblurring for Remote Sensing Images Using $\ell_0$ -Based Deblurring and $\ell_2$ -Based Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 3094-3108	4.7	1
247	Edge-aware image filtering using a structure-guided CNN. <i>IET Image Processing</i> , <b>2020</b> , 14, 472-479	1.7	3
246	Fast and Robust Object Tracking Using Tracking Failure Detection in Kernelized Correlation Filter. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 713	2.6	12
245	Low-light Image Enhancement Using Dual Convolutional Neural Networks for Vehicular Imaging Systems <b>2020</b> ,		2
244	SdBAN: Salient Object Detection Using Bilateral Attention Network With Dice Coefficient Loss. <i>IEEE Access</i> , <b>2020</b> , 8, 104357-104370	3.5	8
243	Gated Dehazing Network via Least Square Adversarial Learning. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
242	Uniformity Attentive Learning-Based Siamese Network for Person Re-Identification. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1

241	Enhanced Action Recognition Using Multiple Stream Deep Learning with Optical Flow and Weighted Sum. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
240	SNS-CF: Siamese Network with Spatially Semantic Correlation Features for Object Tracking. <i>Sensors</i> , <b>2020</b> , 20,	3.8	
239	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 30-44	6.6	30
238	Pre-Activated 3D CNN and Feature Pyramid Network for Traffic Accident Detection <b>2020</b> ,		1
237	Metadata Extraction Using DeepLab V3 and Probabilistic Latent Semantic Analysis for Intelligent Visual Surveillance Systems <b>2020</b> ,		1
236	Correction of Barrel Distortion in Fisheye Lens Images Using Image-Based Estimation of Distortion Parameters. <i>IEEE Access</i> , <b>2019</b> , 7, 45723-45733	3.5	15
235	Context Aware Vehicle Detection using Correlation Filter <b>2019</b> ,		1
234	Scene Mapping-based Video Registration Using Frame Similarity Measurement and Feature Tracking. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2019</b> , 8, 456-464	1.2	4
233	Camera orientation estimation using voting approach on the Gaussian sphere for in-vehicle camera. <i>Optics Express</i> , <b>2019</b> , 27, 26600-26614	3.3	2
232	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> , <b>2019</b> , 36, 1768-1776	1.8	2
231	Application of VR Technology in the Optimization Modeling of Port Wave-proof Building. <i>Journal of Coastal Research</i> , <b>2019</b> , 97, 267	0.6	0
230	Real-Time Multiple Pedestrian Tracking Based on Object Identification <b>2019</b> ,		3
229	Improved Center and Scale Prediction-Based Pedestrian Detection Using Convolutional Block <b>2019</b> ,		4
228	Intelligent Image-Based Railway Inspection System Using Deep Learning-Based Object Detection and Weber Contrast-Based Image Comparison. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
227	Real-Time Visual Tracking with Variational Structure Attention Network. <i>Sensors</i> , <b>2019</b> , 19,	3.8	4
226	Dual Autoencoder Network for Retinex-Based Low-Light Image Enhancement. <i>IEEE Access</i> , <b>2018</b> , 6, 22084-22093	3.5	33
225	Applications of multiscale transforms to image denoising: Survey <b>2018</b> ,		3
224	Robust pedestrian height estimation using principal component analysis and its application to automatic camera calibration <b>2018</b> ,		1

223	Robust parking occupancy monitoring system using random forests <b>2018</b> ,		4
222	Violence detection for video surveillance system using irregular motion information <b>2018</b> ,		4
221	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2018</b> , 64, 69-76	4.8	12
220	Blind deconvolution using maximum a posteriori (MAP) estimation with directional edge based priori. <i>Optik</i> , <b>2018</b> , 157, 1129-1142	2.5	4
219	Optimum Geometric Transformation and Bipartite Graph-Based Approach to Sweat Pore Matching for Biometric Identification. <i>Symmetry</i> , <b>2018</b> , 10, 175	2.7	7
218	Camera orientation estimation using motion based vanishing point detection for automatic driving assistance system <b>2018</b> ,		2
217	Image Dehazing and Enhancement Using Principal Component Analysis and Modified Haze Features. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1321	2.6	4
216	Contrast Enhancement for Low-light Image Enhancement: A Survey. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2018</b> , 7, 36-48	1.2	8
215	Variational Low-light Image Enhancement based on a Haze Model. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2018</b> , 7, 325-331	1.2	2
214	Robust Kernelized Correlation Filter using Adaptive Feature Weight. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2018</b> , 7, 433-439	1.2	2
213	Vision-based Railway Inspection System using Multiple Object Detection and Image Registration. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2018</b> , 7, 440-447	1.2	2
212	Multiscale Transforms with Application to Image Processing. <i>Signals and Communication Technology</i> , <b>2018</b> ,	0.5	6
211	Continuous digital zooming of asymmetric dual camera images using registration and variational image restoration. <i>Multidimensional Systems and Signal Processing</i> , <b>2018</b> , 29, 1959-1987	1.8	1
210	Wavelets and Wavelet Transform. <i>Signals and Communication Technology</i> , <b>2018</b> , 45-92	0.5	2
209	Fundamentals of Digital Image Processing. <i>Signals and Communication Technology</i> , <b>2018</b> , 3-11	0.5	7
208	Fourier Analysis and Fourier Transform. <i>Signals and Communication Technology</i> , <b>2018</b> , 15-43	0.5	
207	Image Restoration. <i>Signals and Communication Technology</i> , <b>2018</b> , 133-198	0.5	1
206	Image Enhancement. <i>Signals and Communication Technology</i> , <b>2018</b> , 199-231	0.5	1

205	New Multiscale Constructions. <i>Signals and Communication Technology</i> , <b>2018</b> , 93-129	0.5	
204	Hybrid Sensor Network-Based Indoor Surveillance System for Intrusion Detection. <i>Symmetry</i> , <b>2018</b> , 10, 181	2.7	1
203	Partial Block Scheme and Adaptive Update Model for Kernelized Correlation Filters-Based Object Tracking. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1349	2.6	2
202	Disparity-selective stereo matching using correlation confidence measure. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2018</b> , 35, 1653-1662	1.8	1
201	Person re-identification using color name descriptor-based sparse representation <b>2017</b> ,		1
200	Low-light image enhancement using variational optimization-based Retinex model <b>2017</b> ,		2
199	Robust Visual Tracking Using Structure-Preserving Sparse Learning. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 707-711	3.2	3
198	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 6392-6401	8.9	18
197	Iterative Refinement of Transmission Map for Stereo Image Defogging Using a Dual Camera Sensor. <i>Sensors</i> , <b>2017</b> , 17,	3.8	2
196	Low-light image enhancement using variational optimization-based retinex model. <i>IEEE Transactions on Consumer Electronics</i> , <b>2017</b> , 63, 178-184	4.8	80
195	Variational framework for low-light image enhancement using optimal transmission map and combined $\ell_1$ and $\ell_2$ -minimization. <i>Signal Processing: Image Communication</i> , <b>2017</b> , 58, 99-110	2.8	9
194	Low-light image restoration using bright channel prior-based variational Retinex model. <i>Eurasip Journal on Image and Video Processing</i> , <b>2017</b> , 2017,	2.5	13
193	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> , <b>2017</b> , 34, 991-1003	1.8	4
192	Robust Video Stabilization Using Particle Keypoint Update and $\ell_1$ Optimized Camera Path. <i>Sensors</i> , <b>2017</b> , 17,	3.8	10
191	Contrast-dependent saturation adjustment for outdoor image enhancement. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2017</b> , 34, 7-17	1.8	18
190	Video summarization using feature dissimilarity <b>2016</b> ,		2
189	Local self similarity-based super-resolution for asymmetric dual-camera <b>2016</b> ,		2
188	Improved DCP-based image defogging using stereo images <b>2016</b> ,		4

187	Depth map generation using a single image sensor with phase masks. <i>Optics Express</i> , <b>2016</b> , 24, 12868-783,3		7
186	Recent Advances in Feature Detectors and Descriptors: A Survey. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2016</b> , 5, 153-163	1.2	7
185	Adaptive White Point Extraction based on Dark Channel Prior for Automatic White Balance. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2016</b> , 5, 383-389	1.2	1
184	Regularized Image Interpolation Based on Data Fusion. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 139-155	1.1	1
183	Selection of the Regularization Parameter. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 29-50	1.1	
182	Multimodal Scene Reconstruction Using Genetic Algorithm-Based Optimization. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 219-247	1.1	
181	Ill-Posed Problems in Imaging and Computer Vision. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 3-27	1.1	
180	Unconstrained Optimization. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 69-92	1.1	
179	Regularized 3D Image Smoothing. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 197-218	1.1	
178	Constrained Optimization. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 93-110	1.1	
177	Enhancement of Compressed Video. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 159-177	1.1	
176	Frequency-Domain Implementation of Regularization. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 113-130	1.1	
175	Iterative Methods. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 131-138	1.1	
174	Image Fusion using Asymmetric Dual Camera for Digital Zooming <b>2016</b> ,		2
173	Object Occlusion Detection Using Automatic Camera Calibration for a Wide-Area Video Surveillance System. <i>Sensors</i> , <b>2016</b> , 16,	3.8	7
172	Normalized Metadata Generation for Human Retrieval Using Multiple Video Surveillance Cameras. <i>Sensors</i> , <b>2016</b> , 16,	3.8	4
171	Object Detection and Tracking-Based Camera Calibration for Normalized Human Height Estimation. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-9	2	6
170	Hyperspectral face recognition using improved inter-channel alignment based on qualitative prediction models. <i>Optics Express</i> , <b>2016</b> , 24, 27637-27662	3.3	13

169	Optical range-finding system using a single-image sensor with liquid crystal display aperture. <i>Optics Letters</i> , <b>2016</b> , 41, 5154-5157	3	1
168	Volumetric Description of Three-Dimensional Objects for Object Recognition. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> , 179-196	1.1	
167	Optimization Techniques in Computer Vision. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2016</b> ,	1.1	2
166	Keypoint-based object tracking using modified median flow <b>2016</b> ,		2
165	Seamless registration of dual camera images using optimal mask-based image fusion <b>2016</b> ,		2
164	Brightness and color correction for dual camera image registration <b>2016</b> ,		2
163	<b>2016</b> ,		2
162	Flicker-free low-light video enhancement using patch-similarity and adaptive accumulation <b>2016</b> ,		3
161	Robust feature detection using particle keypoints and its application to video stabilization in a consumer handheld camera <b>2016</b> ,		1
160	Human height analysis using multiple uncalibrated cameras <b>2016</b> ,		2
159	Fisheye lens camera based surveillance system for wide field of view monitoring. <i>Optik</i> , <b>2016</b> , 127, 5636-5646	5.646	24
158	Removal of underwater turbidity using an optical imaging platform <b>2016</b> ,		2
157	Multisensor Super Resolution Using Directionally-Adaptive Regularization for UAV Images. <i>Sensors</i> , <b>2015</b> , 15, 12053-79	3.8	6
156	Wavelength-adaptive dehazing using histogram merging-based classification for UAV images. <i>Sensors</i> , <b>2015</b> , 15, 6633-51	3.8	19
155	Moving object detection using unstable camera for video surveillance systems. <i>Optik</i> , <b>2015</b> , 126, 2436-2441	2.441	7
154	Fast image restoration for spatially varying defocus blur of imaging sensor. <i>Sensors</i> , <b>2015</b> , 15, 880-98	3.8	20
153	Three-dimensional object motion and velocity estimation using a single computational RGB-D camera. <i>Sensors</i> , <b>2015</b> , 15, 995-1007	3.8	3
152	Sensor-based auto-focusing system using multi-scale feature extraction and phase correlation matching. <i>Sensors</i> , <b>2015</b> , 15, 5747-62	3.8	19

151	Single image-based spatially adaptive dynamic range extension using combined color-channels transmission map. <i>Optik</i> , <b>2015</b> , 126, 912-916	2.5	6
150	Multi-frame example-based super-resolution using locally directional self-similarity <b>2015</b> ,		2
149	Depth-based defocus map estimation using off-axis apertures. <i>Optics Express</i> , <b>2015</b> , 23, 21958-71	3.3	2
148	Single image super-resolution based on subpixel shifting model. <i>Optik</i> , <b>2015</b> , 126, 4954-4959	2.5	3
147	Multi-frame example-based super-resolution using locally directional self-similarity. <i>IEEE Transactions on Consumer Electronics</i> , <b>2015</b> , 61, 353-358	4.8	10
146	Single Camera-Based Depth Estimation and Improved Continuously Adaptive Mean Shift Algorithm for Tracking Occluded Objects. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 246-252	0.9	2
145	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> , <b>2015</b> , 32, 1337-43 <sup>18</sup>		5
144	UHD TV image enhancement using example-based spatially adaptive image restoration filter. <i>Displays</i> , <b>2015</b> , 40, 88-95	3.4	1
143	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> , <b>2015</b> , 32, 2148-55	1.8	1
142	Adaptively partitioned block-based contrast enhancement and its application to low light-level video surveillance. <i>SpringerPlus</i> , <b>2015</b> , 4, 431		9
141	Low-Light Image Enhancement Using Adaptive Digital Pixel Binning. <i>Sensors</i> , <b>2015</b> , 15, 14917-31	3.8	17
140	Push-Broom-Type Very High-Resolution Satellite Sensor Data Correction Using Combined Wavelet-Fourier and Multiscale Non-Local Means Filtering. <i>Sensors</i> , <b>2015</b> , 15, 22826-53	3.8	10
139	Fisheye lens-based surveillance camera for wide field-of-view monitoring <b>2015</b> ,		7
138	Multiple moving object segmentation using motion orientation histogram in adaptively partitioned blocks for high-resolution video surveillance systems. <i>Optik</i> , <b>2015</b> , 126, 2063-2069	2.5	6
137	Low-light image enhancement using fast adaptive binning for mobile phone cameras <b>2015</b> ,		1
136	Probabilistic exhibition information estimation model for optimal configuration of exhibition space <b>2015</b> ,		1
135	Liquid-level estimation using region-based segmentation for automatic beverage refilling service <b>2015</b> ,		1
134	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> , <b>2015</b> , 32, 2264-75	1.8	11



133	Regularized Multichannel Blind Deconvolution Using Alternating Minimization. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2015</b> , 4, 413-421	1.2	1
132	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2014</b> , 60, 18-22	4.8	9
131	Real-time spatially adaptive image restoration using truncated constrained least squares filter <b>2014</b> ,		3
130	Dark channel prior-based white point estimation for automatic white balance <b>2014</b> ,		3
129	Fast digital zooming system using directionally adaptive image interpolation and restoration. <i>SpringerPlus</i> , <b>2014</b> , 3, 713		4
128	Low-Rank Representation-Based Object Tracking Using Multitask Feature Learning with Joint Sparsity. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-12	0.7	3
127	Fast motion deblurring using sensor-aided motion trajectory estimation. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 649272	2.2	0
126	Example-based super-resolution using self-patches and approximated constrained least squares filter <b>2014</b> ,		5
125	Flicker removal for CMOS wide dynamic range imaging based on alternating current component analysis. <i>IEEE Transactions on Consumer Electronics</i> , <b>2014</b> , 60, 294-301	4.8	8
124	Object tracking using compressive local appearance model with $\ell_1$ -regularisation. <i>Electronics Letters</i> , <b>2014</b> , 50, 444-446	1.1	3
123	Extended fisheye lens model for practical geometric correction and image enhancement. <i>Optics Letters</i> , <b>2014</b> , 39, 6261-4	3	6
122	Robust sub-pixel image registration based on combination of local phase correlation and feature analysis <b>2014</b> ,		2
121	Directionally adaptive cubic-spline interpolation using optimized interpolation kernel and edge orientation for mobile digital zoom system <b>2014</b> ,		2
120	Automatic top-view transformation for vehicle backup rear-view camera <b>2014</b> ,		3
119	Defocus-invariant image registration for phase-difference detection auto focusing <b>2014</b> ,		1
118	Non-Dyadic Lens Distortion Correction and Image Enhancement Based on Local Self-Similarity. <i>Journal of the Institute of Electronics and Information Engineers</i> , <b>2014</b> , 51, 147-153	0.8	
117	Computational Approach to Color Overlapped Integral Imaging for Depth Estimation. <i>IEIE Transactions on Smart Processing and Computing</i> , <b>2014</b> , 3, 382-387	1.2	
116	Backlit Region Detection Using Adaptively Partitioned Block and Fuzzy C-means Clustering for Backlit Image Enhancement. <i>Journal of the Institute of Electronics and Information Engineers</i> , <b>2014</b> , 51, 124-132	0.8	

115	Contrast Enhancement Using Dominant Brightness Level Analysis and Adaptive Intensity Transformation for Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2013</b> , 10, 62-66 <sup>4.1</sup>	4.1	49
114	Frequency-domain analysis of discrete wavelet transform coefficients and their adaptive shrinkage for anti-aliasing <b>2013</b> ,		2
113	Real-time super-resolution for digital zooming using finite kernel-based edge orientation estimation and truncated image restoration <b>2013</b> ,		8
112	Uniform depth region-based registration between colour channels and its application to single camera-based multifocusing. <i>IET Image Processing</i> , <b>2013</b> , 7, 50-60	1.7	2
111	Spatially adaptive antialiasing for enhancement of mobile imaging system using combined wavelet-fourier transform. <i>IEEE Transactions on Consumer Electronics</i> , <b>2013</b> , 59, 862-868	4.8	6
110	Distance estimation using a single computational camera with dual off-axis color filtered apertures. <i>Optics Express</i> , <b>2013</b> , 21, 23116-29	3.3	13
109	Single image-based depth estimation using dual off-axis color filtered aperture camera <b>2013</b> ,		6
108	Dark channel prior-based spatially adaptive contrast enhancement for back lighting compensation <b>2013</b> ,		6
107	Compressive sensing-based image denoising using adaptive multiple sampling and optimal error tolerance <b>2013</b> ,		1
106	Distance Estimation with a Two or Three Aperture SLR Digital Camera. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 25-36	0.9	
105	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> , <b>2012</b> , 58, 104-110	4.8	6
104	Adaptive defogging with color correction in the HSV color space for consumer surveillance system. <i>IEEE Transactions on Consumer Electronics</i> , <b>2012</b> , 58, 111-116	4.8	36
103	Recycling of histogram bins for improving image contrast <b>2012</b> ,		1
102	Automatic moving object segmentation using histogram-based graph cut and label maps. <i>Electronics Letters</i> , <b>2012</b> , 48, 1198	1.1	2
101	Multifocusing and depth estimation using a color shift model-based computational camera. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 4152-66	8.7	29
100	Single camera-based full depth map estimation using color shifting property of a multiple color-filter aperture <b>2012</b> ,		4
99	Image Enhancement Using Similarity-Based Color Matching for High-Quality Stereoscopic 3D Image Acquisition <b>2012</b> ,		1
98	Spatially adaptive image defogging using edge analysis and gradient-based tone mapping <b>2011</b> ,		4

97	Geometrical transformation-based ghost artifacts removing for high dynamic range image <b>2011</b> ,		2
96	Combined shape and feature-based video analysis and its application to non-rigid object tracking. <i>IET Image Processing</i> , <b>2011</b> , 5, 87	1.7	14
95	Improved elastic registration for removing ghost artifacts in high dynamic imaging. <i>IEEE Transactions on Consumer Electronics</i> , <b>2011</b> , 57, 932-935	4.8	17
94	Restoration of Damaged Korean Films by Using Various Image-Processing Techniques. <i>Smppte Motion Imaging Journal</i> , <b>2011</b> , 120, 45-49	0.4	
93	Robust focus measure for unsupervised auto-focusing based on optimum discrete cosine transform coefficients. <i>IEEE Transactions on Consumer Electronics</i> , <b>2011</b> , 57, 1-5	4.8	23
92	Vaguelette-wavelet decomposition for frequency adaptive image restoration using directional wavelet bases. <i>IEEE Transactions on Consumer Electronics</i> , <b>2011</b> , 57, 218-223	4.8	4
91	Single image-based ghost-free high dynamic range imaging using local histogram stretching and spatially-adaptive denoising. <i>IEEE Transactions on Consumer Electronics</i> , <b>2011</b> , 57, 1478-1484	4.8	26
90	Peripheral region enhancement of geometrically compensated images from a fisheye lens <b>2011</b> ,		1
89	Color-invariant three-dimensional feature descriptor for color-shift-model-based image processing. <i>Optical Engineering</i> , <b>2011</b> , 50, 117005	1.1	2
88	Simultaneous object tracking and depth estimation using color shifting property of a multiple color-filter aperture camera <b>2011</b> ,		3
87	Colour analysis on portable sphere for custom white balance with multiple illuminations. <i>Electronics Letters</i> , <b>2010</b> , 46, 129	1.1	3
86	Weighted image defogging method using statistical RGB channel feature extraction <b>2010</b> ,		6
85	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2010</b> , 56, 317-323	4.8	15
84	Wavelet-domain color image enhancement using filtered directional bases and frequency-adaptive shrinkage. <i>IEEE Transactions on Consumer Electronics</i> , <b>2010</b> , 56, 1063-1070	4.8	24
83	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2010</b> , 56, 1204-1210	4.8	24
82	Real-time image restoration for digital multifocusing in a multiple color-filter aperture camera. <i>Optical Engineering</i> , <b>2010</b> , 49, 040502	1.1	7
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77	Digital image stabilization based on statistical selection of feasible regions. <i>IEEE Transactions on Consumer Electronics</i> , <b>2009</b> , 55, 1748-1755	4.8	9
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58	Self-generation ART Neural Network for Character Recognition. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 277-286	0.9	
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56	Improved Face Recognition Using Extended Modular Principal Component Analysis. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 599-607	0.9	
55	Hierarchical Blur Identification from Severely Out-of-Focus Images. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1334-1342	0.9	1
54	Active Shape Model-Based Object Tracking in Panoramic Video. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 922-929	0.9	1
53	Robust Feature Detection Using 2D Wavelet Transform Under Low Light Environment <b>2006</b> , 1042-1050		2
52	Evolutionary Algorithm-Based Background Generation for Robust Object Detection. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 542-552	0.9	3
51	A Robust Watermarking Algorithm Using Attack Pattern Analysis. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 757-766	0.9	3
50	Noise-adaptive spatio-temporal filter for real-time noise removal in low light level images. <i>IEEE Transactions on Consumer Electronics</i> , <b>2005</b> , 51, 648-653	4.8	50
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48	Pose-Invariant Face Detection Using Edge-Like Blob Map and Fuzzy Logic. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 695-704	0.9	
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44	Motion-Based Hierarchical Active Contour Model for Deformable Object Tracking. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 806-813	0.9	1

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39	Isotropic Blur Identification for Fully Digital Auto-focusing. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 125-132	1.3	1
38	Pattern Selective Image Fusion for Multi-focus Image Reconstruction. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 677-684	0.9	4
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30	Object-based image restoration for multilayer autofocusing <b>2004</b> , 5308, 893		1
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28	Spatio-temporally Adaptive Regularization for Enhancement of Motion Compensated Wavelet Coded Video. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 232-240	0.9	
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13	Simultaneous out-of-focus blur estimation and restoration for digital auto-focusing system. <i>IEEE Transactions on Consumer Electronics</i> , <b>1998</b> , 44, 1071-1075	4.8	33
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11	A fast adaptive image restoration filter for reducing block artifact in compressed images. <i>IEEE Transactions on Consumer Electronics</i> , <b>1997</b> , 43, 1340-1346	4.8	1
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3	Automatic face region tracking for highly accurate face recognition in unconstrained environments		4
2	Triangle mesh-based surface modeling using adaptive smoothing and implicit surface texture integration		3
1	Robust Feature Detection Using 2D Wavelet Transform Under Low Light Environment1042-1050		