# Joonki Paik

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 360 papers | 4,288 citations | 172386 29 h-index | 155592 55 g-index |
| 370 all docs | 370 docs citations | 370 times ranked | 2929 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Recent advances in visual and infrared face recognition—a review. Computer Vision and Image Understanding, 2005, 97, 103-135. | 3.0 | 474 |
| 2 | Contrast enhancement system using spatially adaptive histogram equalization with temporal filtering. IEEE Transactions on Consumer Electronics, 1998, 44, 82-87. | 3.0 | 366 |
| 3 | Image restoration using a modified Hopfield network. IEEE Transactions on Image Processing, 1992, 1, 49-63. | 6.0 | 207 |
| 4 | Low-light image enhancement using variational optimization-based retinex model. IEEE Transactions on Consumer Electronics, 2017, 63, 178-184. | 3.0 | 146 |
| 5 | Adaptive contrast enhancement using gain-controllable clipped histogram equalization. IEEE Transactions on Consumer Electronics, 2008, 54, 1803-1810. | 3.0 | 130 |
| 6 | An adaptive motion decision system for digital image stabilizer based on edge pattern matching. IEEE Transactions on Consumer Electronics, 1992, 38, 607-616. | 3.0 | 108 |
| 7 | Normal Vector Voting: Crease Detection and Curvature Estimation on Large, Noisy Meshes. Graphical Models, 2002, 64, 199-229. | 1.1 | 99 |
| 8 | Dual Autoencoder Network for Retinex-Based Low-Light Image Enhancement. IEEE Access, 2018, 6, 22084-22093. | 2.6 | 98 |
| 9 | Contrast Enhancement Using Dominant Brightness Level Analysis and Adaptive Intensity Transformation for Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 62-66. | 1.4 | 73 |
| 10 | Noise-adaptive spatio-temporal filter for real-time noise removal in low light level images. IEEE Transactions on Consumer Electronics, 2005, 51, 648-653. | 3.0 | 67 |
| 11 | Real-time video tracking using PTZ cameras. , 2003, , . | | 66 |
| 12 | Optical flow-based real-time object tracking using non-prior training active feature model. Real Time Imaging, 2005, 11, 204-218. | 1.6 | 63 |
| 13 | Color active shape models for tracking non-rigid objects. Pattern Recognition Letters, 2003, 24, 1751-1765. | 2.6 | 55 |
| 14 | Adaptive defogging with color correction in the HSV color space for consumer surveillance system. IEEE Transactions on Consumer Electronics, 2012, 58, 111-116. | 3.0 | 54 |
| 15 | Simultaneous out-of-focus blur estimation and restoration for digital auto-focusing system. IEEE Transactions on Consumer Electronics, 1998, 44, 1071-1075. | 3.0 | 53 |
| 16 | Adaptive mode decision for H.264 encoder. Electronics Letters, 2004, 40, 1172. | 0.5 | 52 |
| 17 | Gait recognition using active shape model and motion prediction. IET Computer Vision, 2010, 4, 25. | 1.3 | 51 |
| 18 | Point fingerprint: A new 3-D object representation scheme. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 712-717. | 5.5 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Out-of-focus blur estimation and restoration for digital auto-focusing system. Electronics Letters, 1998, 34, 1217. | 0.5 | 47 |
| 20 | Radianceâ€"Reflectance Combined Optimization and Structure-Guided $ell\_0$-Norm for Single Image Dehazing. IEEE Transactions on Multimedia, 2020, 22, 30-44. | 5.2 | 47 |
| 21 | An edge-preserving image interpolation system for a digital camcorder. IEEE Transactions on Consumer Electronics, 1996, 42, 279-284. | 3.0 | 45 |
| 22 | Single image-based ghost-free high dynamic range imaging using local histogram stretching and spatially-adaptive denoising. IEEE Transactions on Consumer Electronics, 2011, 57, 1478-1484. | 3.0 | 39 |
| 23 | Robust focus measure for unsupervised auto-focusing based on optimum discrete cosine transform coefficients. IEEE Transactions on Consumer Electronics, 2011, 57, 1-5. | 3.0 | 36 |
| 24 | Fisheye lens camera based surveillance system for wide field of view monitoring. Optik, 2016, 127, 5636-5646. | 1.4 | 36 |
| 25 | Memory-efficient H.264/AVC CAVLC for fast decoding. IEEE Transactions on Consumer Electronics, 2006, 52, 943-952. | 3.0 | 35 |
| 26 | Regularized iterative image interpolation and its application to spatially scalable coding. IEEE Transactions on Consumer Electronics, 1998, 44, 1042-1047. | 3.0 | 34 |
| 27 | Wavelet-domain color image enhancement using filtered directional bases and frequency-adaptive shrinkage. IEEE Transactions on Consumer Electronics, 2010, 56, 1063-1070. | 3.0 | 34 |
| 28 | Multifocusing and Depth Estimation Using a Color Shift Model-Based Computational Camera. IEEE Transactions on Image Processing, 2012, 21, 4152-4166. | 6.0 | 33 |
| 29 | An edge detection approach to digital image stabilization based on tri-state adaptive linear neurons. IEEE Transactions on Consumer Electronics, 1991, 37, 521-530. | 3.0 | 32 |
| 30 | Artifact-Free Low-Light Video Enhancement Using Temporal Similarity and Guide Map. IEEE Transactions on Industrial Electronics, 2017, 64, 6392-6401. | 5.2 | 31 |
| 31 | Contrast-dependent saturation adjustment for outdoor image enhancement. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 7. | 0.8 | 31 |
| 32 | Fast and Robust Object Tracking Using Tracking Failure Detection in Kernelized Correlation Filter. Applied Sciences (Switzerland), 2020, 10, 713. | 1.3 | 30 |
| 33 | High-Fidelity RGB Video Coding Using Adaptive Inter-Plane Weighted Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1051-1056. | 5.6 | 28 |
| 34 | Fully digital auto-focusing system with automatic focusing region selection and point spread function estimation. IEEE Transactions on Consumer Electronics, 2010, 56, 1204-1210. | 3.0 | 28 |
| 35 | Sensor-Based Auto-Focusing System Using Multi-Scale Feature Extraction and Phase Correlation Matching. Sensors, 2015, 15, 5747-5762. | 2.1 | 28 |
| 36 | Fast Image Restoration for Spatially Varying Defocus Blur of Imaging Sensor. Sensors, 2015, 15, 880-898. | 2.1 | 26 |

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| 37 | Region-Based Dehazing via Dual-Supervised Triple-Convolutional Network. IEEE Transactions on Multimedia, 2022, 24, 245-260. | 5.2 | 25 |
| 38 | Low-Light Image Enhancement Using Adaptive Digital Pixel Binning. Sensors, 2015, 15, 14917-14931. | 2.1 | 24 |
| 39 | Wavelength-Adaptive Dehazing Using Histogram Merging-Based Classification for UAV Images. Sensors, 2015, 15, 6633-6651. | 2.1 | 24 |
| 40 | Low-light image restoration using bright channel prior-based variational Retinex model. Eurasip Journal on Image and Video Processing, 2017, 2017, . | 1.7 | 23 |
| 41 | Correction of Barrel Distortion in Fisheye Lens Images Using Image-Based Estimation of Distortion Parameters. IEEE Access, 2019, 7, 45723-45733. | 2.6 | 23 |
| 42 | Color shift model-based image enhancement for digital multifocusing based on a multiple color-filter aperture camera. IEEE Transactions on Consumer Electronics, 2010, 56, 317-323. | 3.0 | 22 |
| 43 | Color Shift Model-Based Segmentation and Fusion for Digital Autofocusing. Journal of Imaging Science and Technology, 2007, 51, 368-379. | 0.3 | 21 |
| 44 | Regularized Restoration Using Image Fusion for Digital Auto-Focusing. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1360-1369. | 5.6 | 21 |
| 45 | Hierarchical active shape model with motion prediction for real-time tracking of non-rigid objects. IET Computer Vision, 2007, 1, 17-24. | 1.3 | 21 |
| 46 | Improved elastic registration for removing ghost artifacts in high dynamic imaging. IEEE Transactions on Consumer Electronics, 2011, 57, 932-935. | 3.0 | 21 |
| 47 | Intelligent Image-Based Railway Inspection System Using Deep Learning-Based Object Detection and Weber Contrast-Based Image Comparison. Sensors, 2019, 19, 4738. | 2.1 | 21 |
| 48 | Low-light image enhancement using variational optimization-based Retinex model. , 2017, , . |  | 20 |
| 49 | Contrast Enhancement for Low-light Image Enhancement: A Survey. IEIE Transactions on Smart Processing and Computing, 2018, 7, 36-48. | 0.3 | 20 |
| 50 | Combined shape and feature-based video analysis and its application to non-rigid object tracking. IET Image Processing, 2011, 5, 87. | 1.4 | 19 |
| 51 | Fundamentals of Digital Image Processing. Signals and Communication Technology, 2018, , 3-11. | 0.4 | 19 |
| 52 | Real-time bayer-domain image restoration for an extended depth of field (EDoF) camera. IEEE Transactions on Consumer Electronics, 2009, 55, 1756-1764. | 3.0 | 18 |
| 53 | Robust Video Stabilization Using Particle Keypoint Update and l1-Optimized Camera Path. Sensors, 2017, 17, 337. | 2.1 | 18 |
| 54 | Adaptively partitioned block-based contrast enhancement and its application to low light-level video surveillance. SpringerPlus, 2015, 4, 431. | 1.2 | 17 |

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| 55 | Fisheye lens-based surveillance camera for wide field-of-view monitoring. , 2015, , . | | 17 |
| 56 | An Optimal Low Dynamic Range Image Generation Method Using a Neural Network. IEEE Transactions on Consumer Electronics, 2018, 64, 69-76. | 3.0 | 17 |
| 57 | Hyperspectral face recognition using improved inter-channel alignment based on qualitative prediction models. Optics Express, 2016, 24, 27637. | 1.7 | 16 |
| 58 | Active Shape Model-Based Gait Recognition Using Infrared Images. Communications in Computer and Information Science, 2009, , 275-281. | 0.4 | 16 |
| 59 | Fast Image Restoration for Reducing Block Artifacts Based on Adaptive Constrained Optimization. Journal of Visual Communication and Image Representation, 1998, 9, 234-242. | 1.7 | 15 |
| 60 | Distance estimation using a single computational camera with dual off-axis color filtered apertures. Optics Express, 2013, 21, 23116. | 1.7 | 15 |
| 61 | SdBAN: Salient Object Detection Using Bilateral Attention Network With Dice Coefficient Loss. IEEE Access, 2020, 8, 104357-104370. | 2.6 | 15 |
| 62 | Surface modeling using multi-view range and color images. Integrated Computer-Aided Engineering, 2003, 10, 37-50. | 2.5 | 14 |
| 63 | Digital image stabilization based on statistical selection of feasible regions. IEEE Transactions on Consumer Electronics, 2009, 55, 1748-1755. | 3.0 | 14 |
| 64 | Weighted image defogging method using statistical RGB channel feature extraction. , 2010, , . | | 14 |
| 65 | Single image super-resolution using locally adaptive multiple linear regression. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2264. | 0.8 | 14 |
| 66 | Point Cloud Generation Using Deep Adversarial Local Features for Augmented and Mixed Reality Contents. IEEE Transactions on Consumer Electronics, 2022, 68, 69-76. | 3.0 | 14 |
| 67 | Dark channel prior-based spatially adaptive contrast enhancement for back lighting compensation. , 2013, , . | | 13 |
| 68 | Lens distortion correction and enhancement based on local self-similarity for high-quality consumer imaging systems. IEEE Transactions on Consumer Electronics, 2014, 60, 18-22. | 3.0 | 13 |
| 69 | Multi-frame example-based super-resolution using locally directional self-similarity. IEEE Transactions on Consumer Electronics, 2015, 61, 353-358. | 3.0 | 13 |
| 70 | Adaptive background generation for automatic detection of initial object region in multiple color-filter aperture camera-based surveillance system. IEEE Transactions on Consumer Electronics, 2012, 58, 104-110. | 3.0 | 12 |
| 71 | Push-Broom-Type Very High-Resolution Satellite Sensor Data Correction Using Combined Wavelet-Fourier and Multiscale Non-Local Means Filtering. Sensors, 2015, 15, 22826-22853. | 2.1 | 12 |
| 72 | Variational framework for low-light image enhancement using optimal transmission map and combined<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si68.gif" display="inline" id="mml68" overflow="scroll"><mml:msub><mml:mrow><mml:mi>â„</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:mrow></mml:mrow></mml:mrow>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si69.gif" display="inline" id="mml69" overflow="scroll"><mml:msub><mml:mrow><mml:mi>â„</mml:mi></mml:mrow><mml:mrow><. Signal P | 1.8 | 12 |

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| 73 | Improved Center and Scale Prediction-Based Pedestrian Detection Using Convolutional Block. , 2019, , . | | 12 |
| 74 | Real-time iterative framework of regularized image restoration and its application to video enhancement. Real Time Imaging, 2003, 9, 61-72. | 1.6 | 11 |
| 75 | Multimodal Priority Verification of Face and Speech Using Momentum Back-Propagation Neural Network. Lecture Notes in Computer Science, 2006, , 140-149. | 1.0 | 11 |
| 76 | Real-time image restoration for digital multifocusing in a multiple color-filter aperture camera. Optical Engineering, 2010, 49, 040502. | 0.5 | 11 |
| 77 | Moving object detection using unstable camera for video surveillance systems. Optik, 2015, 126, 2436-2441. | 1.4 | 11 |
| 78 | Optimum Geometric Transformation and Bipartite Graph-Based Approach to Sweat Pore Matching for Biometric Identification. Symmetry, 2018, 10, 175. | 1.1 | 11 |
| 79 | Texture-Aware Deblurring for Remote Sensing Images Using $\ell_0$-Based Deblurring and $\ell_2$-Based Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3094-3108. | 2.3 | 11 |
| 80 | Recent Advances in Feature Detectors and Descriptors: A Survey. IEIE Transactions on Smart Processing and Computing, 2016, 5, 153-163. | 0.3 | 11 |
| 81 | An edge detection algorithm using multi-state adalines. Pattern Recognition, 1992, 25, 1495-1504. | 5.1 | 10 |
| 82 | Video object segmentation and its salient motion detection using adaptive background generation. Electronics Letters, 2009, 45, 542. | 0.5 | 10 |
| 83 | Real-time super-resolution for digital zooming using finite kernel-based edge orientation estimation and truncated image restoration. , 2013, , . | | 10 |
| 84 | Depth map generation using a single image sensor with phase masks. Optics Express, 2016, 24, 12868. | 1.7 | 10 |
| 85 | Robust parking occupancy monitoring system using random forests. , 2018, , . | | 10 |
| 86 | Vaguelette-wavelet decomposition for frequency adaptive image restoration using directional wavelet bases. IEEE Transactions on Consumer Electronics, 2011, 57, 218-223. | 3.0 | 9 |
| 87 | Multisensor Super Resolution Using Directionally-Adaptive Regularization for UAV Images. Sensors, 2015, 15, 12053-12079. | 2.1 | 9 |
| 88 | Three-dimensional simulation method of fish-eye lens distortion for a vehicle backup rear-view camera. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1337. | 0.8 | 9 |
| 89 | Object Occlusion Detection Using Automatic Camera Calibration for a Wide-Area Video Surveillance System. Sensors, 2016, 16, 982. | 2.1 | 9 |
| 90 | Fire flame detection based on color model and motion estimation. , 2016, , . | | 9 |

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| 91 | Violence detection for video surveillance system using irregular motion information. , 2018, , . | | 9 |
| 92 | Camera Orientation Estimation Using Motion-Based Vanishing Point Detection for Advanced Driver-Assistance Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6286-6296. | 4.7 | 9 |
| 93 | Real-Time Surveillance System for Analyzing Abnormal Behavior of Pedestrians. Applied Sciences (Switzerland), 2021, 11, 6153. | 1.3 | 9 |
| 94 | Blocking effect reduction of compressed images using classification-based constrained optimization. Signal Processing: Image Communication, 2000, 15, 869-877. | 1.8 | 8 |
| 95 | A study on wavelet-based edge detection for improved stereo matching. , 2008, , . | | 8 |
| 96 | Simultaneous object tracking and depth estimation using color shifting property of a multiple color-filter aperture camera. , 2011, , . | | 8 |
| 97 | Single camera-based full depth map estimation using color shifting property of a multiple color-filter aperture. , 2012, , . | | 8 |
| 98 | Spatially adaptive antialiasing for enhancement of mobile imaging system using combined wavelet-fourier transform. IEEE Transactions on Consumer Electronics, 2013, 59, 862-868. | 3.0 | 8 |
| 99 | Single image-based depth estimation using dual off-axis color filtered aperture camera. , 2013, , . | | 8 |
| 100 | Flicker removal for CMOS wide dynamic range imaging based on alternating current component analysis. IEEE Transactions on Consumer Electronics, 2014, 60, 294-301. | 3.0 | 8 |
| 101 | Object Detection and Tracking-Based Camera Calibration for Normalized Human Height Estimation. Journal of Sensors, 2016, 2016, 1-9. | 0.6 | 8 |
| 102 | Pyramid Attention Upsampling Module for Object Detection. IEEE Access, 2022, 10, 38742-38749. | 2.6 | 8 |
| 103 | Face recognition: evaluation report for FaceIt identification and surveillance. , 2003, 5132, 551. | | 7 |
| 104 | Spatially adaptive image defogging using edge analysis and gradient-based tone mapping. , 2011, , . | | 7 |
| 105 | Geometrical transformation-based ghost artifacts removing for high dynamic range image. , 2011, , . | | 7 |
| 106 | Extended fisheye lens model for practical geometric correction and image enhancement. Optics Letters, 2014, 39, 6261. | 1.7 | 7 |
| 107 | Real-time spatially adaptive image restoration using truncated constrained least squares filter. , 2014, , . | | 7 |
| 108 | Multiple moving object segmentation using motion orientation histogram in adaptively partitioned blocks for high-resolution video surveillance systems. Optik, 2015, 126, 2063-2069. | 1.4 | 7 |

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| 109 | Applications of multiscale transforms to image denoising: Survey. , 2018, , . | | 7 |
| 110 | Blind deconvolution using maximum a posteriori (MAP) estimation with directional edge based priori. Optik, 2018, 157, 1129-1142. | 1.4 | 7 |
| 111 | Image Dehazing and Enhancement Using Principal Component Analysis and Modified Haze Features. Applied Sciences (Switzerland), 2018, 8, 1321. | 1.3 | 7 |
| 112 | Comparative Analysis of Wavelet-Based Scale-Invariant Feature Extraction Using Different Wavelet Bases. Communications in Computer and Information Science, 2009, , 297-303. | 0.4 | 7 |
| 113 | Combined digital zooming and digital effects system utilizing CCD signal characteristics. IEEE Transactions on Consumer Electronics, 1993, 39, 398-406. | 3.0 | 6 |
| 114 | Fingerprint Watermarking for H.264 Streaming Media. , 2007, , . | | 6 |
| 115 | Efficient RGB Video Coding Using Adaptive Inter-Plane Residual Prediction. , 2008, , . | | 6 |
| 116 | Color Correction for Multiple Light Sources Using Profile Correction System. Journal of Imaging Science and Technology, 2009, 53, 050501. | 0.3 | 6 |
| 117 | Example-based super-resolution using self-patches and approximated constrained least squares filter. , 2014, , . | | 6 |
| 118 | Single image-based spatially adaptive dynamic range extension using combined color-channels transmission map. Optik, 2015, 126, 912-916. | 1.4 | 6 |
| 119 | Removal of underwater turbidity using an optical imaging platform. , 2016, , . | | 6 |
| 120 | Uniformity Attentive Learning-Based Siamese Network for Person Re-Identification. Sensors, 2020, 20, 3603. | 2.1 | 6 |
| 121 | Real-time digital zooming for mobile consumer cameras using directionally adaptive image interpolation and restoration. , 2013, , . | | 5 |
| 122 | Low-Rank Representation-Based Object Tracking Using Multitask Feature Learning with Joint Sparsity. Abstract and Applied Analysis, 2014, 2014, 1-12. | 0.3 | 5 |
| 123 | Single image super-resolution based on subpixel shifting model. Optik, 2015, 126, 4954-4959. | 1.4 | 5 |
| 124 | Real-Time Visual Tracking with Variational Structure Attention Network. Sensors, 2019, 19, 4904. | 2.1 | 5 |
| 125 | Gated Dehazing Network via Least Square Adversarial Learning. Sensors, 2020, 20, 6311. | 2.1 | 5 |
| 126 | Pre-Activated 3D CNN and Feature Pyramid Network for Traffic Accident Detection. , 2020, , . | | 5 |

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| 127 | Evolutionary Algorithm-Based Background Generation for Robust Object Detection. Lecture Notes in Computer Science, 2006, , 542-552. | 1.0 | 5 |
| 128 | Model-Based Human Pose Estimation and Its Analysis Using Hausdorff Matching. TECHART Journal of Arts and Imaging Science, 2015, 2, 51. | 0.0 | 5 |
| 129 | Face Recognition Using Optimized 3D Information from Stereo Images. Lecture Notes in Computer Science, 2005, , 1048-1056. | 1.0 | 5 |
| 130 | An image restoration system for a single-CCD color camcorder. IEEE Transactions on Consumer Electronics, 1995, 41, 563-572. | 3.0 | 4 |
| 131 | Enhancement of region-of-interest coded images by using adaptive regularization. , 0, , . | | 4 |
| 132 | Triangle mesh-based surface modeling using adaptive smoothing and implicit surface texture integration. , 0, , . | | 4 |
| 133 | Automatic face region tracking for highly accurate face recognition in unconstrained environments. , 0, , . | | 4 |
| 134 | Multi-Modal Human Verification Using Face and Speech. , 2006, , . | | 4 |
| 135 | Colour analysis on portable sphere for custom white balance with multiple illuminations. Electronics Letters, 2010, 46, 129. | 0.5 | 4 |
| 136 | Dark channel prior-based white point estimation for automatic white balance. , 2014, , . | | 4 |
| 137 | Fast digital zooming system using directionally adaptive image interpolation and restoration. SpringerPlus, 2014, 3, 713. | 1.2 | 4 |
| 138 | Three-Dimensional Object Motion and Velocity Estimation Using a Single Computational RGB-D Camera. Sensors, 2015, 15, 995-1007. | 2.1 | 4 |
| 139 | Depth-based defocus map estimation using off-axis apertures. Optics Express, 2015, 23, 21958. | 1.7 | 4 |
| 140 | Normalized Metadata Generation for Human Retrieval Using Multiple Video Surveillance Cameras. Sensors, 2016, 16, 963. | 2.1 | 4 |
| 141 | Brightness and color correction for dual camera image registration. , 2016, , . | | 4 |
| 142 | Improved DCP-based image defogging using stereo images. , 2016, , . | | 4 |
| 143 | Continuous digital zooming using local self-similarity-based super-resolution for an asymmetric dual camera system. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 991. | 0.8 | 4 |
| 144 | Continuous digital zooming of asymmetric dual camera images using registration and variational image restoration. Multidimensional Systems and Signal Processing, 2018, 29, 1959-1987. | 1.7 | 4 |

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|---|---------|----|-----------|
| 145 | Wavelets and Wavelet Transform. Signals and Communication Technology, 2018, , 45-92. | 0.4 | 4 |
| 146 | Hybrid Sensor Network-Based Indoor Surveillance System for Intrusion Detection. Symmetry, 2018, 10, 181. | 1.1 | 4 |
| 147 | Camera orientation estimation using motion based vanishing point detection for automatic driving assistance system. , 2018, , . | | 4 |
| 148 | Real-Time Multiple Pedestrian Tracking Based on Object Identification. , 2019, , . | | 4 |
| 149 | Enhanced Action Recognition Using Multiple Stream Deep Learning with Optical Flow and Weighted Sum. Sensors, 2020, 20, 3894. | 2.1 | 4 |
| 150 | Point Cloud Generation Using Deep Local Features for Augmented and Mixed Reality Contents. , 2020, , . | | 4 |
| 151 | Edgeâ€aware image filtering using a structureâ€guided CNN. IET Image Processing, 2020, 14, 472-479. | 1.4 | 4 |
| 152 | CF-CNN: Coarse-to-Fine Convolutional Neural Network. Applied Sciences (Switzerland), 2021, 11, 3722. | 1.3 | 4 |
| 153 | Action Recognition Network Using Stacked Short-Term Deep Features and Bidirectional Moving Average. Applied Sciences (Switzerland), 2021, 11, 5563. | 1.3 | 4 |
| 154 | Photo-Realistic Image Dehazing and Verifying Networks via Complementary Adversarial Learning. Sensors, 2021, 21, 6182. | 2.1 | 4 |
| 155 | Pattern Selective Image Fusion for Multi-focus Image Reconstruction. Lecture Notes in Computer Science, 2005, , 677-684. | 1.0 | 4 |
| 156 | Variational Low-light Image Enhancement based on a Haze Model. IEIE Transactions on Smart Processing and Computing, 2018, 7, 325-331. | 0.3 | 4 |
| 157 | Scene Mapping-based Video Registration Using Frame Similarity Measurement and Feature Tracking. IEIE Transactions on Smart Processing and Computing, 2019, 8, 456-464. | 0.3 | 4 |
| 158 | Illuminant-invariant stereo matching using cost volume and confidence-based disparity refinement. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1768. | 0.8 | 4 |
| 159 | CODEN: combined optimization-based decomposition and learning-based enhancement network for Retinex-based brightness and contrast enhancement. Optics Express, 2022, 30, 23608. | 1.7 | 4 |
| 160 | A fast adaptive image restoration filter for reducing block artifact in compressed images. IEEE Transactions on Consumer Electronics, 1997, 43, 1340-1346. | 3.0 | 3 |
| 161 | <title>Adaptive regularized noise smoothing of dense range image using directional Laplacian operators</title>. , 2001, , . | | 3 |
| 162 | Stereo vision-based autonomous mobile robot. , 2005, 6006, 256. | | 3 |

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| 163 | Edge Based Adaptive Kalman Filtering for Real-time Video Stabilization. , 0, , . | | 3 |
| 164 | Fast partial distortion elimination based on a maximum error constraint for motion estimation. , 2009, , . | | 3 |
| 165 | Color-invariant three-dimensional feature descriptor for color-shift-model-based image processing. Optical Engineering, 2011, 50, 117005. | 0.5 | 3 |
| 166 | Moving object segmentation using motion orientation histogram in adaptively partitioned blocks for consumer surveillance system. , 2012, , . | | 3 |
| 167 | Automatic moving object segmentation using histogram-based graph cut and label maps. Electronics Letters, 2012, 48, 1198. | 0.5 | 3 |
| 168 | Uniform depth region‐based registration between colour channels and its application to single camera‐based multifocusing. IET Image Processing, 2013, 7, 50-60. | 1.4 | 3 |
| 169 | Object tracking using compressive local appearance model with $\ell_1$ ‐regularisation. Electronics Letters, 2014, 50, 444-446. | 0.5 | 3 |
| 170 | Directionally adaptive cubic-spline interpolation using optimized interpolation kernel and edge orientation for mobile digital zoom system. , 2014, , . | | 3 |
| 171 | Automatic top-view transformation for vehicle backup rear-view camera. , 2014, , . | | 3 |
| 172 | Non-dyadic fisheye lens correction model for image enhancement. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2148. | 0.8 | 3 |
| 173 | Keypoint-based object tracking using modified median flow. , 2016, , . | | 3 |
| 174 | Seamless registration of dual camera images using optimal mask-based image fusion. , 2016, , . | | 3 |
| 175 | Flicker-free low-light video enhancement using patch-similarity and adaptive accumulation. , 2016, , . | | 3 |
| 176 | Human height analysis using multiple uncalibrated cameras. , 2016, , . | | 3 |
| 177 | Robust Visual Tracking Using Structure-Preserving Sparse Learning. IEEE Signal Processing Letters, 2017, 24, 707-711. | 2.1 | 3 |
| 178 | Iterative Refinement of Transmission Map for Stereo Image Defogging Using a Dual Camera Sensor. Sensors, 2017, 17, 2861. | 2.1 | 3 |
| 179 | Low-light Image Enhancement Using Dual Convolutional Neural Networks for Vehicular Imaging Systems. , 2020, , . | | 3 |
| 180 | Robust Feature Detection Using 2D Wavelet Transform Under Low Light Environment. , 2006, , 1042-1050. | | 3 |

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| 181 | Optical Flow-Based Tracking of Deformable Objects Using a Non-prior Training Active Feature Model. Lecture Notes in Computer Science, 2004, , 69-78. | 1.0 | 3 |
| 182 | Multi-object Digital Auto-focusing Using Image Fusion. Lecture Notes in Computer Science, 2005, , 202-209. | 1.0 | 3 |
| 183 | Camera orientation estimation using voting approach on the Gaussian sphere for in-vehicle camera. Optics Express, 2019, 27, 26600. | 1.7 | 3 |
| 184 | Restoration of differential images for enhancement of compressed video. Journal of Visual Communication and Image Representation, 2004, 15, 91-109. | 1.7 | 2 |
| 185 | Real-time digital autofocusing using a priori estimated set of PSFs. , 2004, 5297, 66. | | 2 |
| 186 | Towards computer-aided reverse engineering of heavy vehicle parts using laser range imaging techniques. International Journal of Heavy Vehicle Systems, 2004, 11, 434. | 0.1 | 2 |
| 187 | Statistical region selection for robust image stabilization using feature-histogram. , 2009, , . | | 2 |
| 188 | Hierarchical pose classification based on human physiology for behaviour analysis. IET Computer Vision, 2010, 4, 12. | 1.3 | 2 |
| 189 | Image restoration using alpha map-based fusion for multiple color aperture computational camera. , 2010, , . | | 2 |
| 190 | Peripheral region enhancement of geometrically compensated images from a fisheye lens. , 2011, , . | | 2 |
| 191 | Frequency-domain analysis of discrete wavelet transform coefficients and their adaptive shrinkage for anti-aliasing. , 2013, , . | | 2 |
| 192 | Robust sub-pixel image registration based on combination of local phase correlation and feature analysis. , 2014, , . | | 2 |
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