

# Vivek Maikandavel

## List of Publications by Year in descending order

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44  
papers

236  
citations

1307594

7  
h-index

1058476

14  
g-index

45  
all docs

45  
docs citations

45  
times ranked

122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noise-adaptive spatio-temporal filter for real-time noise removal in low light level images. IEEE Transactions on Consumer Electronics, 2005, 51, 648-653.	3.6	67
2	Color Shift Model-Based Segmentation and Fusion for Digital Autofocusing. Journal of Imaging Science and Technology, 2007, 51, 368-379.	0.5	21
3	Regularized Restoration Using Image Fusion for Digital Auto-Focusing. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1360-1369.	8.3	21
4	Experimental and Theoretical Studies of Green Synthesized Cu <sub>2</sub> O Nanoparticles Using Datura Metel L. Journal of Fluorescence, 2022, 32, 559-568.	2.5	14
5	Real-time image restoration for digital multifocusing in a multiple color-filter aperture camera. Optical Engineering, 2010, 49, 040502.	1.0	11
6	Electrical and Electrochemical Characteristics of Withania somnifera Leaf Extract Incorporation Sodium Alginate Polymer Film for Energy Storage Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 583-595.	3.7	9
7	Retinal image enhancement using adaptive histogram equalization tuned with nonsimilar grouping curvelet. International Journal of Imaging Systems and Technology, 2021, 31, 1050-1064.	4.1	8
8	Blind deconvolution using maximum a posteriori (MAP) estimation with directional edge based priori. Optik, 2018, 157, 1129-1142.	2.9	7
9	Color Correction for Multiple Light Sources Using Profile Correction System. Journal of Imaging Science and Technology, 2009, 53, 050501.	0.5	6
10	Removal of underwater turbidity using an optical imaging platform. , 2016, , .		6
11	An Efficient Method for Photoplethysmography Signal Compression using Modified Adaptive Fourier Decomposition. , 2018, , .		6
12	Diffraction Based Image Synthesis. Journal of Physics: Conference Series, 2021, 1964, 062013.	0.4	6
13	Colour analysis on portable sphere for custom white balance with multiple illuminations. Electronics Letters, 2010, 46, 129.	1.0	4
14	Robust object tracking using kernalized correlation filters (KCF) and Kalman predictive estimates. , 2017, , .		4
15	Pattern Selective Image Fusion for Multi-focus Image Reconstruction. Lecture Notes in Computer Science, 2005, , 677-684.	1.3	4
16	Automatic top-view transformation for vehicle backup rear-view camera. , 2014, , .		3
17	Keypoint-based object tracking using modified median flow. , 2016, , .		3
18	Object tracking using block motion estimation with adaptive Kalman estimates. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	AFODSS: Heart Rate Estimation Method From Photoplethysmographic Signals With Motion Artifacts Using Fourier-Sparse Dual Optimization. IEEE Sensors Journal, 2019, 19, 9953-9963.	4.7	3
20	Image Deblurring Algorithm Using Block Augmented Lagrangian with Low Rank Gradients. , 2021, , .		3
21	Multi-object Digital Auto-focusing Using Image Fusion. Lecture Notes in Computer Science, 2005, , 202-209.	1.3	3
22	Smart automated heart health monitoring using photoplethysmography signal classification. Biomedizinische Technik, 2021, 66, 247-256.	0.8	3
23	Hierarchical pose classification based on human physiology for behaviour analysis. IET Computer Vision, 2010, 4, 12.	2.0	2
24	Image restoration using alpha map-based fusion for multiple color aperture computational camera. , 2010, , .		2
25	Robust sub-pixel image registration based on combination of local phase correlation and feature analysis. , 2014, , .		2
26	Point spread function estimation and deblurring using code V optical imaging. , 2016, , .		2
27	Color image enhancement using metamer mismatch through profile mapping. , 2017, , .		2
28	Synthesis and Characterization of Undoped and Mn <sup>2+</sup> Doped Copper Oxide Nanoparticles. Macromolecular Symposia, 2021, 400, 2100122.	0.7	2
29	Underwater image enhancement by using color correction and contrast techniques. , 2021, , .		2
30	Recycling of histogram bins for improving image contrast. , 2012, , .		1
31	Robust background generation using a modified mixture of Gaussian model for object detection. , 2014, , .		1
32	Adaptive regularized multichannel Blind deconvolution using alternating minimization. , 2015, , .		1
33	Color reproduction using intensity compensation function for dual camera systems. , 2016, , .		1
34	Classification of unsharp pixels using Gaussian scale mixture (GSM) model. , 2016, , .		1
35	Atmospheric light estimation using fog line vector for efficient defogging without color distortion. , 2018, , .		1
36	Restoration of Damaged Korean Films by Using Various Image Processing Techniques. , 2009, , .		0

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37	Computational filter-aperture approach for single-view multi-focusing. , 2009, , .		0
38	Restoration of Damaged Korean Films by Using Various Image-Processing Techniques. Smppte Motion Imaging Journal, 2011, 120, 45-49.	0.2	0
39	Spatially adaptive video restoration using truncated constrained least-squared filter. , 2014, , .		0
40	Blind deconvolution using maximum a posteriori estimates with dictionary learning. , 2016, , .		0
41	Super resolution through alternative optimization using sparsity and PSF prior. , 2016, , .		0
42	Palm print recognition using PCA-based adaptive weighted directional features. , 2017, , .		0
43	Active RFID Tag with Better Tracking Range for Automotive Applications. , 2019, , .		0
44	Recent Advantages and Applications of Various Biosynthesized Greener Silver Nanoparticles. Asian Journal of Chemistry, 2021, 33, 2871-2884.	0.3	0