

# Karen A Panetta

## 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.

62

papers

1,513

citations

15

h-index

38

g-index

78

ext. papers

2,089

ext. citations

4.1

avg, IF

4.9

L-index

#	Paper	IF	Citations
62	FTNet: Feature Transverse Network for Thermal Image Semantic Segmentation. <i>IEEE Access</i> , <b>2021</b> , 9, 145212-145227	3.5	0
61	Healthy Aging-Nutrition Matters: Start Early and Screen Often. <i>Advances in Nutrition</i> , <b>2021</b> , 12, 1438-1448	8	8
60	Comprehensive Underwater Object Tracking Benchmark Dataset and Underwater Image Enhancement With GAN. <i>IEEE Journal of Oceanic Engineering</i> , <b>2021</b> , 1-17	3.3	5
59	Artificial Intelligence for Text-Based Vehicle Search, Recognition, and Continuous Localization in Traffic Videos. <i>AI</i> , <b>2021</b> , 2, 684-704	3.6	0
58	Special Section Guest Editorial: Representation Learning and Big Data Analytics for Remote Sensing. <i>Journal of Applied Remote Sensing</i> , <b>2020</b> , 14, 1	1.4	
57	Neural network-based image quality comparator without collecting the human score for training. <i>IET Image Processing</i> , <b>2020</b> , 14, 1787-1793	1.7	1
56	A Comprehensive Database for Benchmarking Imaging Systems. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , 42, 509-520	13.3	49
55	Impulse Noise Detector Performance Measure Based on Intensity Volume. <i>Journal of Signal Processing Systems</i> , <b>2020</b> , 92, 425-434	1.4	
54	Software Architecture for Automating Cognitive Science Eye-Tracking Data Analysis and Object Annotation. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2019</b> , 49, 268-277	4.1	5
53	Initial Evaluation of Computer-Assisted Radiologic Assessment for Renal Mass Edge Detection as an Indication of Tumor Roughness to Predict Renal Cancer Subtypes. <i>Advances in Urology</i> , <b>2019</b> , 2019, 3590623	1.6	1
52	LQM: Localized Quality Measure for Fingerprint Image Enhancement. <i>IEEE Access</i> , <b>2019</b> , 7, 104567-104576	3.5	7
51	Augmented reality-based vision-aid indoor navigation system in GPS denied environment <b>2019</b> ,		6
50	Illumination invariant NIR face recognition using directional visibility. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2019</b> , 2019, 273-1-273-7	1	2
49	TERNet: A deep learning approach for thermal face emotion recognition <b>2019</b> ,		3
48	A Robust No-Reference, No-Parameter, Transform Domain Image Quality Metric for Evaluating the Quality of Color Images. <i>IEEE Access</i> , <b>2018</b> , 6, 10979-10985	3.5	17
47	Face description using anisotropic gradient: thermal infrared to visible face recognition <b>2018</b> ,		4
46	Guest Editorial Special Issue on Increasing the Socio-Cultural Diversity of Electrical and Computer Engineering and Related Fields. <i>IEEE Transactions on Education</i> , <b>2018</b> , 61, 261-264	2.1	0

45	A New Unified Impulse Noise Removal Algorithm Using a New Reference Sequence-to-Sequence Similarity Detector. <i>IEEE Access</i> , <b>2018</b> , 6, 37225-37236	3.5	11
44	Fingerprint authentication using geometric features <b>2017</b> ,		10
43	Combined transform and spatial domain based no reference measure for underwater images <b>2017</b> ,		2
42	Fast color transfer for camouflage applications <b>2017</b> ,		1
41	Contrast enhancement for color images using discrete cosine transform coefficient scaling <b>2016</b> ,		3
40	Novel multi-color transfer algorithms and quality measure. <i>IEEE Transactions on Consumer Electronics</i> , <b>2016</b> , 62, 292-300	4.8	8
39	Human-Visual-System-Inspired Underwater Image Quality Measures. <i>IEEE Journal of Oceanic Engineering</i> , <b>2016</b> , 41, 541-551	3.3	292
38	A New Reference-Based Edge Map Quality Measure. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2016</b> , 46, 1505-1517	7.3	12
37	A versatile edge preserving image enhancement approach for medical images using guided filter <b>2016</b> ,		6
36	Sequence-to-Sequence Similarity-Based Filter for Image Denoising. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 4380-4388	4.388	21
35	TDMEC, a new measure for evaluating the image quality of color images acquired in vision systems <b>2015</b> ,		5
34	A new correlation-differential denoising algorithm <b>2015</b> ,		2
33	Image processing algorithms and measures for the analysis of biomedical imaging systems applications. <i>International Journal of Biomedical Imaging</i> , <b>2015</b> , 2015, 926921	5.2	1
32	Nonreference medical image edge map measure. <i>International Journal of Biomedical Imaging</i> , <b>2014</b> , 2014, 931375	5.2	2
31	Choosing the optimal spatial domain measure of enhancement for mammogram images. <i>International Journal of Biomedical Imaging</i> , <b>2014</b> , 2014, 937849	5.2	22
30	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2013</b> , 59, 643-651	4.8	118
29	Transform domain measure of enhancement TDME For security imaging applications <b>2013</b> ,		8
28	(n, k, p)-Gray code for image systems. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 515-29	10.2	55

27	Human visual system inspired object detection and recognition <b>2012</b> ,	3
26	A new color contrast enhancement algorithm for robotic applications <b>2012</b> ,	9
25	Parameterized logarithmic framework for image enhancement. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 460-73	71
24	Nonlinear unsharp masking for mammogram enhancement. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2011</b> , 15, 918-28	119
23	Color image enhancement algorithms based on the DCT domain <b>2011</b> ,	4
22	Human visual system-based image fusion for surveillance applications <b>2011</b> ,	3
21	Multi-scale image fusion using the Parameterized Logarithmic Image Processing model <b>2010</b> ,	2
20	Boolean derivatives with application to edge detection for imaging systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2010</b> , 40, 371-82	21
19	Human visual system based mammogram enhancement and analysis <b>2010</b> ,	18
18	Image fusion using the Parameterized Logarithmic Dual Tree Complex Wavelet Transform <b>2010</b> ,	1
17	Image encryption using binary key-images <b>2009</b> ,	8
16	A non-reference measure for objective edge map evaluation <b>2009</b> ,	4
15	Image encryption algorithms based on Generalized P-Gray Code bit plane decomposition <b>2009</b> ,	1
14	Image encryption using Discrete Parametric Cosine Transform <b>2009</b> ,	11
13	An image scrambling algorithm using parameter bases M-sequences <b>2008</b> ,	1
12	Logical System Representation of Images and Removal of Impulse Noise. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2008</b> , 38, 1349-1362	15
11	Border Crossing Detection and Tracking through Localized Image Processing <b>2008</b> ,	1
10	Automatic Detection of Potential Threat Objects in X-ray Luggage Scan Images <b>2008</b> ,	18

9	Partial Multimedia Encryption with Different Security Levels <b>2008</b> ,		8
8	Comparison of recursive sequence based image scrambling algorithms. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008</i> ,	2	2
7	Human visual system based similarity metrics. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008</i> ,	2	16
6	Enhancement of alaryngeal speech utilizing spectral subtraction and minimum statistics <b>2008</b> ,		2
5	Human visual system-based image enhancement and logarithmic contrast measure. <i>IEEE Transactions on Systems, Man, and Cybernetics, 2008</i> , 38, 174-88		153
4	Logarithmic Edge Detection with Applications. <i>Journal of Computers, 2008</i> , 3,	1.4	14
3	Logarithmic edge detection with applications <b>2007</b> ,		8
2	Human Visual System Based Multi-Histogram Equalization for Non-Uniform Illumination and Shoadow Correction <b>2007</b> ,		13
1	Transform coefficient histogram-based image enhancement algorithms using contrast entropy. <i>IEEE Transactions on Image Processing, 2007</i> , 16, 741-58	8.7	292