

Samuel Morillas

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,269
citations

361296

20
h-index

377752

34
g-index

56
all docs

56
docs citations

56
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	A fast impulsive noise color image filter using fuzzy metrics. <i>Real Time Imaging</i> , 2005, 11, 417-428.	1.6	114
2	Fuzzy Peer Groups for Reducing Mixed Gaussian-Impulse Noise From Color Images. <i>IEEE Transactions on Image Processing</i> , 2009, 18, 1452-1466.	6.0	111
3	Examples of fuzzy metrics and applications. <i>Fuzzy Sets and Systems</i> , 2011, 170, 95-111.	1.6	103
4	Fast detection and removal of impulsive noise using peer groups and fuzzy metrics. <i>Journal of Visual Communication and Image Representation</i> , 2008, 19, 20-29.	1.7	80
5	A New Fuzzy Color Correlated Impulse Noise Reduction Method. <i>IEEE Transactions on Image Processing</i> , 2007, 16, 2565-2575.	6.0	62
6	Local self-adaptive fuzzy filter for impulsive noise removal in color images. <i>Signal Processing</i> , 2008, 88, 390-398.	2.1	61
7	Isolating impulsive noise pixels in color images by peer group techniques. <i>Computer Vision and Image Understanding</i> , 2008, 110, 102-116.	3.0	59
8	On a class of completable fuzzy metric spaces. <i>Fuzzy Sets and Systems</i> , 2010, 161, 2193-2205.	1.6	52
9	A Simple Fuzzy Method to Remove Mixed Gaussian-Impulsive Noise From Color Images. <i>IEEE Transactions on Fuzzy Systems</i> , 2013, 21, 971-978.	6.5	50
10	New adaptive vector filter using fuzzy metrics. <i>Journal of Electronic Imaging</i> , 2007, 16, 033007.	0.5	47
11	Two-step fuzzy logic-based method for impulse noise detection in colour images. <i>Pattern Recognition Letters</i> , 2010, 31, 1842-1849.	2.6	40
12	Adaptive Marginal Median Filter for Colour Images. <i>Sensors</i> , 2011, 11, 3205-3213.	2.1	37
13	Some questions in fuzzy metric spaces. <i>Fuzzy Sets and Systems</i> , 2012, 204, 71-85.	1.6	37
14	On convergence in fuzzy metric spaces. <i>Topology and Its Applications</i> , 2009, 156, 3002-3006.	0.2	35
15	Some improvements for image filtering using peer group techniques. <i>Image and Vision Computing</i> , 2010, 28, 188-201.	2.7	30
16	Robustifying Vector Median Filter. <i>Sensors</i> , 2011, 11, 8115-8126.	2.1	28
17	Efficient Impulsive Noise Suppression based on Statistical Confidence Limits. <i>Journal of Imaging Science and Technology</i> , 2006, 50, 427.	0.3	27
18	A fuzzy logic expert system for selecting optimal and sustainable life cycle maintenance and rehabilitation strategies for road pavements. <i>International Journal of Pavement Engineering</i> , 2022, 23, 425-437.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Cauchy-ness and convergence in fuzzy metric spaces. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2017, 111, 25-37.	0.6	23
20	A New Vector Median Filter Based on Fuzzy Metrics. <i>Lecture Notes in Computer Science</i> , 2005, , 81-90.	1.0	22
21	Fuzzy analysis for detection of inconsistent data in experimental datasets employed at the development of the CIEDE2000 colour-difference formula. <i>Journal of Modern Optics</i> , 2009, 56, 1447-1456.	0.6	18
22	On completable fuzzy metric spaces. <i>Fuzzy Sets and Systems</i> , 2015, 267, 133-139.	1.6	16
23	Perceptual similarity between color images using fuzzy metrics. <i>Journal of Visual Communication and Image Representation</i> , 2016, 34, 230-235.	1.7	15
24	A model based on local graphs for colour images and its application for Gaussian noise smoothing. <i>Journal of Computational and Applied Mathematics</i> , 2018, 330, 955-964.	1.1	14
25	Smoothing vs. sharpening of colour images: Together or separated. <i>Applied Mathematics and Nonlinear Sciences</i> , 2017, 2, 299-316.	0.9	14
26	Fuzzy averaging filter for impulse noise reduction in colour images with a correction step. <i>Journal of Visual Communication and Image Representation</i> , 2018, 55, 518-528.	1.7	13
27	Obstacle-Free Pathway Detection by Means of Depth Maps. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2011, 63, 115-129.	2.0	12
28	Characterizing a class of completable fuzzy metric spaces. <i>Topology and Its Applications</i> , 2016, 203, 3-11.	0.2	11
29	A Soft-Switching Approach to Improve Visual Quality of Colour Image Smoothing Filters. , 2007, , 254-261.		10
30	Spectral Reflectance Reconstruction Using Fuzzy Logic System Training: Color Science Application. <i>Sensors</i> , 2020, 20, 4726.	2.1	9
31	Colour image smoothing through a soft-switching mechanism using a graph model. <i>IET Image Processing</i> , 2012, 6, 1293-1298.	1.4	6
32	A note on local bases and convergence in fuzzy metric spaces. <i>Topology and Its Applications</i> , 2014, 163, 142-148.	0.2	6
33	Method to determine the degrees of consistency in experimental datasets of perceptual color differences. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, 2289.	0.8	6
34	On probabilistic \tilde{f} -contractions in Menger spaces. <i>Fuzzy Sets and Systems</i> , 2017, 313, 114-118.	1.6	6
35	Graph-based methods for simultaneous smoothing and sharpening of color images. <i>Journal of Computational and Applied Mathematics</i> , 2019, 350, 380-395.	1.1	4
36	Determinación de componentes conexas en el análisis de zonas homogéneas y de detalle en imágenes a color. <i>Modelling in Science Education and Learning</i> , 2018, 11, 5.	0.1	4

#	ARTICLE	IF	CITATIONS
37	Fuzzy Free Path Detection from Disparity Maps by Using Least-Squares Fitting to a Plane. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 75, 313-330.	2.0	3
38	Using suprathreshold color-difference ellipsoids to estimate any perceptual color-difference. Journal of Visual Communication and Image Representation, 2018, 55, 142-148.	1.7	3
39	Fuzzy Directional-Distance Vector Filter. Lecture Notes in Computer Science, 2007, , 355-361.	1.0	3
40	Color-quality control using color-difference formulas: progress and problems. , 2017, , .		3
41	Flexural Strength Evaluation of Nonconstant Thickness Ceramic Floorings by Means of the Finite-Element Method. International Journal of Applied Ceramic Technology, 2010, 7, 235-247.	1.1	2
42	FUZZY FREE PATH DETECTION BASED ON DENSE DISPARITY MAPS OBTAINED FROM STEREO CAMERAS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2012, 20, 245-259.	0.9	2
43	Fuzzy quasi-metrics for the Sorgenfrey line. Fuzzy Sets and Systems, 2013, 222, 98-107.	1.6	2
44	Colour image denoising by eigenvector analysis of neighbourhood colour samples. Signal, Image and Video Processing, 2020, 14, 483-490.	1.7	2
45	New Method for Fast Detection and Removal of Impulsive Noise Using Fuzzy Metrics. Lecture Notes in Computer Science, 2006, , 359-369.	1.0	2
46	A New Fuzzy Impulse Noise Detection Method for Colour Images. , 2007, , 492-501.		2
47	Fuzzy Metrics Application in Video Spatial Deinterlacing. Lecture Notes in Computer Science, 2007, , 349-354.	1.0	2
48	Assessment of the learning competence of Mathematics for freshmen of the Computer Science degree. , 2010, , .		1
49	Graphs based methods for simultaneous smoothing and sharpening. MethodsX, 2020, 7, 100819.	0.7	1
50	On the importance of metrics in practical applications. Modelling in Science Education and Learning, 0, 4, 119.	0.1	1
51	El concepto de mtrica fuzzy a travs del filtrado de imgenes digitales. Modelling in Science Education and Learning, 0, 6, 5.	0.1	1
52	An application-case for derivative learning: Optimization in colour image filtering. , 2010, , .		0
53	Impulsive Noise Filters for Colour Images. , 2015, , 81-129.		0
54	Estudio probabilstico de confinamientos potenciales de grupos burbuja en educacin infantil y primaria en la Comunitat Valenciana. Modelling in Science Education and Learning, 2021, 14, 31.	0.1	0