Manos Papadakis

List of Publications by Year
in descending order

40 papers	431 citations	840776 11 h-index	839539 18 g-index
44 all docs	44 docs citations	44 times ranked	410 citing authors

#	Article	IF	Citations
1	Perinasal Imaging of Physiological Stress and Its Affective Potential. IEEE Transactions on Affective Computing, 2012, 3, 366-378.	8.3	67
2	Automatic Morphological Reconstruction of Neurons from Multiphoton and Confocal Microscopy Images Using 3D Tubular Models. Neuroinformatics, 2015, 13, 297-320.	2.8	45
3	The geometry and the analytic properties of isotropic multiresolution analysis. Advances in Computational Mathematics, 2009, 31, 283-328.	1.6	34
4	Automated Detection of Soma Location and Morphology in Neuronal Network Cultures. PLoS ONE, 2015, 10, e0121886.	2.5	27
5	Usefulness of Multidetector Computed Tomography for Noninvasive Evaluation of Coronary Arteries in Asymptomatic Patients. American Journal of Cardiology, 2006, 97, 287-293.	1.6	17
6	Facial component-landmark detection. , 2011, , .		17
7	Efficient Processing of Fluorescence Images Using Directional Multiscale Representations. Mathematical Modelling of Natural Phenomena, 2014, 9, 177-193.	2.4	16
8	Nonseparable Radial Frame Multiresolution Analysis in Multidimensions. Numerical Functional Analysis and Optimization, 2003, 24, 907-928.	1.4	15
9	Improved Automatic Centerline Tracing for Dendritic and Axonal Structures. Neuroinformatics, 2015, 13, 227-244.	2.8	15
10	Automated sorting of neuronal trees in fluorescent images of neuronal networks using NeuroTreeTracer. Scientific Reports, 2018, 8, 6450.	3.3	12
11	Hermite Distributed Approximating Functionals as Almost-Ideal Low-Pass Filters. Sampling Theory in Signal and Information Processing, 2008, 7, 15-38.	0.2	11
12	Properties of Minimum Uncertainty Wavelets and Their Relations to the Harmonic Oscillator and the Coherent States. Journal of Physical Chemistry A, 2003, 107, 7318-7327.	2.5	10
13	Texture‐based tissue characterization for high‐resolution CT scans of coronary arteries. Communications in Numerical Methods in Engineering, 2009, 25, 597-613.	1.3	10
14	Image Denoising Using a Tight Frame. , 0, , .		9
15	Automated 3-D Detection of Dendritic Spines from In Vivo Two-Photon Image Stacks. Neuroinformatics, 2017, 15, 303-319.	2.8	9
16	m-HDAF multiresolution deformable models. , 0, , .		8
17	Isotropic multiresolution analysis for 3D-textures and applications in cardiovascular imaging. , 2007, , .		8
18	Three-Dimensional Isotropic Wavelets for Post-Acquisitional Extraction of Latent Images of Atherosclerotic Plaque Components from Micro-Computed Tomography of Human Coronary Arteries. Academic Radiology, 2007, 14, 1509-1519.	2.5	8

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19	Extension Principles for Dual Multiwavelet Frames of $$L_2(\mathbb{R}^s)$$ L 2 (R s) constructed from Multirefinable Generators. Journal of Fourier Analysis and Applications, 2016, 22, 854-877.	1.0	8
20	On the design of multi-dimensional compactly supported Parseval framelets with directional characteristics. Linear Algebra and Its Applications, 2019, 582, 1-36.	0.9	8
21	On the Mathematical Properties of Distributed Approximating Functionals. Journal of Mathematical Chemistry, 2001, 30, 83-107.	1.5	7
22	Multi-scale segmentation of neurons based on one-class classification. Journal of Neuroscience Methods, 2016, 266, 94-106.	2.5	7
23	Improved automatic centerline tracing for dendritic structures. , 2013, , .		6
24	Frame isotropic multiresolution analysis for micro CT scans of coronary arteries. , 2005, , .		5
25	Facial landmark configuration for improved detection. , 2012, , .		4
26	Directional and non-directional representations for the characterization of neuronal morphology. , 2013, , .		4
27	Multiscale Analysis of Neurite Orientation and Spatial Organization in Neuronal Images. Neuroinformatics, 2016, 14, 465-477.	2.8	4
28	On the smoothness of orthonormal wavelets arising from HDAFs. Applied and Computational Harmonic Analysis, 2003, 15, 242-254.	2.2	3
29	An Inhomogeneous Uncertainty Principle for Digital Low-Pass Filters. Journal of Fourier Analysis and Applications, 2006, 12, 181-211.	1.0	3
30	Pose invariant facial component-landmark detection. , 2011, , .		3
31	Directional analysis of 3D tubular structures via isotropic well-localized atoms. Applied and Computational Harmonic Analysis, 2016, 40, 588-599.	2.2	3
32	Analog to Digital, Revisited: Controlling the Accuracy of Reconstruction. Sampling Theory in Signal and Information Processing, 2006, 5, 321-340.	0.2	3
33	<title>Frames of translates and examples of generalized frame multiresolution analyses</title>. , 2001, , .		2
34	Segmentation of neurons based on one-class classification. , 2014, , .		2
35	Surface denoising using a tight frame. , 0, , .		0
36	Parametric surface denoising. , 2005, , .		0

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37	A POLYCHROMATIC METHOD TO ENHANCE THE SOFT TISSUE CONTRAST OF COMPUTERIZED TOMOGRAPHIC IMAGES USING A SADDLE POINT APPROXIMATION. , 2007, , .		0
38	Rigid Motion Invariant Classification of 3D Textures and Its Application to Hepatic Tumor Detection. , 2017, , 193-221.		0
39	A Harmonic Analysis View on Neuroscience Imaging. , 2013, , 423-450.		0
40	Exploring neuronal synapses with directional and symmetric frame filters with small support. , 2017, , .		0