Sandip Sarkar

List of Publications by Year
in descending order

17	147	1307594	1199594
papers	citations	7	12
		h-index	g-index

18	18	18	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acquiring photoacoustic signature of hematocrit variation from plexus layer of in-silico human skin phantom. Biomedical Physics and Engineering Express, 2021, 7, 035007.	1.2	1
2	Significance of Natural Scene Statistics in Understanding the Anisotropies of Perceptual Filling-in at the Blind Spot. Scientific Reports, 2017, 7, 3586.	3.3	3
3	Systemic study of a natural feedback loop in Huntington's disease at the onset of neurodegeneration. BioSystems, 2016, 150, 46-51.	2.0	3
4	Predictive Coding: A Possible Explanation of Filling-In at the Blind Spot. PLoS ONE, 2016, 11, e0151194.	2.5	8
5	Stochastic resonance in visual sensitivity. Biological Cybernetics, 2015, 109, 241-254.	1.3	4
6	Orientation enhancement in early visual processing can explain time course of brightness contrast and White's illusion. Biological Cybernetics, 2013, 107, 337-354.	1.3	1
7	A possible mechanism of stochastic resonance in the light of an extra-classical receptive field model of retinal ganglion cells. Biological Cybernetics, 2009, 100, 351-359.	1.3	21
8	A Generalized Design of the Mexican Hat and other Even-order Hermitian Wavelets in a Gaussian Scale Space. , 2008, , .		1
9	An Alternative Gaussian Window Approach for FIR Filter Design. , 2008, , .		1
10	Retinomorphic image processing. Progress in Brain Research, 2007, 168, 175-191.	1.4	7
11	A Bio-inspired Interpolation Kernel for Medical Image Processing Implemented on DSP Processor. , 2007, , .		5
12	Understanding image structure from a new multi-scale representation of higher order derivative filters. Image and Vision Computing, 2007, 25, 1228-1238.	4.5	23
13	Design of a low-pass filter by multi-scale even order Gaussian derivatives. Signal Processing, 2006, 86, 3923-3933.	3.7	5
14	A possible explanation of the low-level brightness–contrast illusions in the light of an extended classical receptive field model of retinal ganglion cells. Biological Cybernetics, 2006, 94, 89-96.	1.3	36
15	Proposing new methods in low-level vision from the Mach band illusion in retrospect. Pattern Recognition, 2006, 39, 726-730.	8.1	9
16	Early Vision and Image Processing: Evidences Favouring a Dynamic Receptive Field Model. Lecture Notes in Computer Science, 2006, , 216-227.	1.3	4
17	A Weighted Sum of Multi-scale Gaussians Generates New Near-ideal Interpolation Functions. , 2005, 2005, 6387-90.		4