

Sumit Kumar

List of Publications by Year in descending order

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17
papers

176
citations

1307594

7
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1588992

8
g-index

18
all docs

18
docs citations

18
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	Medical image encryption using fractional discrete cosine transform with chaotic function. Medical and Biological Engineering and Computing, 2019, 57, 2517-2533.	2.8	80
2	FD-based detector for medical image watermarking. IET Image Processing, 2019, 13, 1773-1782.	2.5	13
3	Image Encryption Based on Block-wise Fractional Fourier Transform with Wavelet Transform. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2019, 36, 600-613.	3.2	13
4	Weak Signal Detection Using Stochastic Resonance with Approximated Fractional Integrator. Circuits, Systems, and Signal Processing, 2019, 38, 1157-1178.	2.0	11
5	An FPGA-based design for a real-time image denoising using approximated fractional integrator. Multidimensional Systems and Signal Processing, 2020, 31, 1317-1339.	2.6	10
6	A Novel Noise-Enhanced Back-Propagation Technique for Weak Signal Detection in Neyman-Pearson Framework. Neural Processing Letters, 2019, 50, 2389-2406.	3.2	9
7	Noise-Induced Resonance and Particle Swarm Optimization-Based Weak Signal Detection. Circuits, Systems, and Signal Processing, 2019, 38, 2677-2702.	2.0	9
8	Adaptive fractional differential approach to enhance underwater images. , 2016, , .		8
9	Enhancement of high dynamic range images using variational calculus regularizer with stochastic resonance. , 2016, , .		4
10	Performance analysis of segmentation using SSR under different noise conditions. , 2017, , .		4
11	Characterization of supra-threshold stochastic resonance for uniform distributed signal with Laplacian and Gaussian noise. , 2017, , .		4
12	A Robust Sharing Based Encryption Method in Singular Value Decomposition Domain Using Fractional Fourier Transform. , 2018, , .		4
13	A Fractional Integrator Based Novel Detector for Weak Signal Detection with Watermark Application. , 2018, , .		4
14	Analysis, Diagnosis and Correction of Rain Streaks. , 2019, , .		2
15	Research work under Visvesvaraya YFRF. CSI Transactions on ICT, 2020, 8, 271-284.	1.0	0
16	Biomedical Watermaking Using Arnold Transformation. Lecture Notes in Electrical Engineering, 2022, , 761-774.	0.4	0
17	Utilization and Selection of Best SU Act as Relay via Cooperative NOMA (CNOMA)-Based CRNs for Next-Generation (5G) Communications. Lecture Notes in Electrical Engineering, 2022, , 797-805.	0.4	0