Sanjit K Mitra

List of Publications by Year
in descending order

35 papers	539 citations	840776 11 h-index	713466 21 g-index
35 all docs	35 docs citations	35 times ranked	353 citing authors

#	Article	IF	Citations
1	Sampling rate conversion based on DFT and DCT. Signal Processing, 2013, 93, 476-486.	3.7	11
2	Perceptual contributions of blocky, blurry, noisy, and ringing synthetic artifacts to overall annoyance. Journal of Electronic Imaging, 2012, 21, 043013.	0.9	10
3	Image processing using quadratic volterra filters. , 2012, , .		6
4	FFT-based sampling rate conversion. , 2012, , .		4
5	Sampling Rate Conversion in the Frequency Domain [DSP Tips and Tricks]. IEEE Signal Processing Magazine, 2011, 28, 140-144.	5.6	16
6	Modeling subjectively perceived annoyance of H.264/AVC video as a function of perceived artifact strength. Signal Processing, 2010, 90, 80-92.	3.7	8
7	General polynomial factorization-based design of sparse periodic linear arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1952-1966.	3.0	33
8	Color constancy in the compressed domain. , 2009, , .		4
9	Synthesis of narrowband differentiators with a piecewise-polynomial impulse response with parallel-branch structures. , 2009, , .		0
10	Enhancement of Color Images by Scaling the DCT Coefficients. IEEE Transactions on Image Processing, 2008, 17, 1783-1794.	9.8	208
11	Color enhancement in the compressed domain. , 2008, , .		5
12	Design of sparse arrays with high sidelobe rejection. , 2008, , .		0
13	A Lossy Compression Algorithm for Bayer Pattern Color Filter Array Data. , 2007, , .		5
14	A Novel MDL-based Compression Method for Power Quality Applications. IEEE Transactions on Power Delivery, 2007, 22, 27-36.	4.3	31
15	Predictive mode reduction and selective pixel matching based motion estimation algorithm for H.264. , 2007, , .		2
16	Detectability and Annoyance of Synthetic Blocky, Blurry, Noisy, and Ringing Artifacts. IEEE Transactions on Signal Processing, 2007, 55, 2954-2964.	5.3	12
17	Image Enhancement in the Compressed Domain. , 2007, , .		1
18	Structure unanimity multiple description coding. Signal Processing: Image Communication, 2007, 22, 59-68.	3.2	2

#	Article	IF	Citations
19	Multiple description wavelet coding with dual decomposition and cross packetization. Signal, Image and Video Processing, 2007, 1, 53-61.	2.7	5
20	Defect visibility and content importance: effects on perceived impairment. Signal Processing: Image Communication, 2004, 19, 185-203.	3.2	9
21	Smart wavelet image coding: X-tree approach. Signal Processing, 2002, 82, 239-249.	3.7	17
22	Quadtree Optimization for Image and Video Coding. Journal of Signal Processing Systems, 1997, 17, 215-224.	1.0	5
23	Low Bit-Rate Design Considerations for Wavelet-Based Image Coding. Multidimensional Systems and Signal Processing, 1997, 8, 111-128.	2.6	23
24	Low‑passband‑sensitivity switched capacitor filters using a parallel connection of two structurally lossless networks. International Journal of Circuit Theory and Applications, 1992, 20, 47-62.	2.0	17
25	Subband Coding of Images Using the Singular Value Decomposition. IETE Journal of Research, 1990, 36, 344-352.	2.6	0
26	Active RC filters with very low sensitivity. International Journal of Circuit Theory and Applications, 1990, 18, 209-214.	2.0	0
27	Bounded Complex and Lossless Bounded Complex Transfer Functions and their Applications. IETE Journal of Research, 1988, 34, 375-382.	2.6	0
28	A New Algorithm for Image Edge Extraction Using a Statistical Classifier Approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1987, PAMI-9, 569-577.	13.9	32
29	Transform amplitude sharpening: A new method of image enhancement. Computer Vision, Graphics, and Image Processing, 1987, 40, 205-218.	1.0	22
30	A Complex Kalman Filter for a Class of Real Discrete-Time Systems. , 1986, , .		0
31	Design of FIR digital filters using tapped cascaded FIR Subfilters. Circuits, Systems, and Signal Processing, 1982, 1, 43-56.	2.0	27
32	A Novel Single-Multiplier Implementation of IIR and FIR Digital Filters Using Tri-State Logic. IEEE Transactions on Instrumentation and Measurement, 1979, 28, 226-229.	4.7	0
33	On Darlington-type realization of two-variable driving-point functions. International Journal of Electronics, 1975, 39, 545-550.	1.4	8
34	A unique synthesis method of transformerless active RC networks. Journal of the Franklin Institute, 1962, 274, 115-129.	3.4	15
35	A new approach to active RC network synthesis. Journal of the Franklin Institute, 1962, 274, 185-197.	3.4	1