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List of Publications by Year in descending order

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114
papers

3,203
citations

201674

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168389

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116
all docs

116
docs citations

116
times ranked

2990
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Virus Manipulation with Large-Scale Arrays of All-Dielectric Resonant Nanocavities. Laser and Photonics Reviews, 2022, 16, .	8.7	23
2	Optofluidic Microengine in A Dynamic Flow Environment via Self-Induced Back-Action. ACS Photonics, 2020, 7, 1500-1507.	6.6	12
3	Optical Potential-Well Array for High-Selectivity, Massive Trapping and Sorting at Nanoscale. Nano Letters, 2020, 20, 5193-5200.	9.1	47
4	Nanometer-precision linear sorting with synchronized optofluidic dual barriers. Science Advances, 2018, 4, eaao0773.	10.3	161
5	Robust Constrained Adaptive Filtering Under Minimum Error Entropy Criterion. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1119-1123.	3.0	38
6	Classification of non-tumorous skin pigmentation disorders using voting based probabilistic linear discriminant analysis. Computers in Biology and Medicine, 2018, 99, 123-132.	7.0	18
7	Hybrid threshold optimization between global image and local regions in image segmentation for melasma severity assessment. Multidimensional Systems and Signal Processing, 2017, 28, 977-994.	2.6	9
8	Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface. Advanced Optical Materials, 2017, 5, 1600938.	7.3	172
9	Microfluidic Metasurfaces: Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface (Advanced Optical Materials 7/2017). Advanced Optical Materials, 2017, 5, .	7.3	2
10	An improved image segmentation method for melasma severity assessment. , 2017, , .		1
11	Blind multipath separation and combining technique for signal recovery. Multidimensional Systems and Signal Processing, 2016, 27, 383-410.	2.6	5
12	Cell refractive index for cell biology and disease diagnosis: past, present and future. Lab on A Chip, 2016, 16, 634-644.	6.0	400
13	Acoustic detection of excessive lung water using sub-band features. , 2015, , .		1
14	Detection of adventitious lung sounds using entropy features and a 2-D threshold setting. , 2015, , .		15
15	Effects of two new features of approximate entropy and sample entropy on cardiac arrest prediction. , 2015, , .		4
16	Effects of Sensor Position Errors on Farfield/Nearfield Wideband Beamformers for Microphone Arrays. IEEE Sensors Journal, 2015, 15, 4812-4825.	4.7	15
17	Optofluidic Detection for Virus Infection Monitoring using Effective Refractive Index. , 2015, , .		0
18	Melasma Image Segmentation Using Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 369-377.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Tailoring Light Flow in Microfluidics. , 2015, , .		0
20	Impulsive noise mitigation using an adaptive WMA-MVDR estimator for array based wireless communications. , 2013, , .		0
21	Multiple-pathway modeling of tumor blood flow for dynamic contrast-enhanced imaging. , 2013, , .		0
22	3D characterization and trend analysis of scents from EEG recordings of repeated scent exposure. , 2013, 2013, 1330-3.		2
23	Kernel-based error rate estimation for M-ary modulation. , 2013, , .		0
24	Noncontact heart rate measurement using a 24 GHz Doppler radar. , 2013, , .		5
25	Linear Aperiodic Array Synthesis Using an Improved Genetic Algorithm. IEEE Transactions on Antennas and Propagation, 2012, 60, 895-902.	5.1	119
26	Cardiac activity detection: A fast prototyping approach with health safety considerations. , 2012, , .		1
27	Discrete Wavelet Transform coefficients for emotion recognition from EEG signals. , 2012, 2012, 2251-4.		43
28	An Intelligent Scoring System and Its Application to Cardiac Arrest Prediction. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1324-1331.	3.2	37
29	Lung water detection using acoustic techniques. , 2012, 2012, 4258-61.		5
30	Design of robust nearfield wideband beamformers with optimum subband constraints. Signal Processing, 2012, 92, 189-197.	3.7	7
31	Robust Nearfield Wideband Beamformer Design Using Worst Case Mean Performance Optimization With Passband Response Variance Constraint. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1565-1572.	3.2	15
32	A signal-noise separation algorithm for the estimation of respiratory rate from breath sound. , 2011, , .		1
33	Robust Beampattern Synthesis for Antenna Arrays With Mutual Coupling Effect. IEEE Transactions on Antennas and Propagation, 2011, 59, 2889-2895.	5.1	28
34	Exposing Digital Image Forgeries by Detecting Discrepancies in Motion Blur. IEEE Transactions on Multimedia, 2011, 13, 443-452.	7.2	124
35	Iterative Robust Minimum Variance Beamforming. IEEE Transactions on Signal Processing, 2011, 59, 1601-1611.	5.3	103
36	Sound Source DOA Estimation and Localization in Noisy Reverberant Environments Using Least-Squares Support Vector Machines. Journal of Signal Processing Systems, 2011, 63, 287-300.	2.1	5

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37	Robust Adaptive Microphone Array with Mainlobe and Response Ripple Control. Journal of Signal Processing Systems, 2011, 63, 301-313.	2.1	1
38	Patient Outcome Prediction with Heart Rate Variability and Vital Signs. Journal of Signal Processing Systems, 2011, 64, 265-278.	2.1	28
39	Adaptive Uncertainty Based Iterative Robust Capon Beamformer Using Steering Vector Mismatch Estimation. IEEE Transactions on Signal Processing, 2011, 59, 4483-4488.	5.3	52
40	A novel respiratory rate estimation method for sound-based wearable monitoring systems. , 2011, 2011, 3213-6.		6
41	Selective Frequency Invariant Uniform Circular Broadband Beamformer. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	11
42	Linear sparse array synthesis via convex optimization. , 2010, , .		16
43	Adaptive uncertainty based iterative robust capon beamformer. , 2010, , .		8
44	Beampattern Synthesis for Linear and Planar Arrays With Antenna Selection by Convex Optimization. IEEE Transactions on Antennas and Propagation, 2010, 58, 3923-3930.	5.1	211
45	A Robust Adaptive Beamformer Based on Worst-Case Semi-Definite Programming. IEEE Transactions on Signal Processing, 2010, 58, 5914-5919.	5.3	48
46	Linear Sparse Array Synthesis With Minimum Number of Sensors. IEEE Transactions on Antennas and Propagation, 2010, 58, 720-726.	5.1	47
47	Detecting digital image forgeries through inconsistent motion blur. , 2010, , .		7
48	Image authentication by motion blur consistency verification. , 2010, , .		0
49	BEAMPATTERN SYNTHESIS WITH LINEAR MATRIX INEQUALITIES USING MINIMAL ARRAY SENSORS. Progress in Electromagnetics Research M, 2009, 9, 165-176.	0.9	6
50	Detection of Wheezes Using a Wearable Distributed Array of Microphones. , 2009, , .		0
51	Acoustic source localization using LS-SVMs without calibration of microphone arrays. , 2009, , .		3
52	Uniform circular broadband beamformer with selective frequency and spatial invariant region. , 2009, , .		5
53	A Novel Wheeze Detection Method for Wearable Monitoring Systems. , 2009, , .		40
54	Design of Robust Broadband Beamformers With Passband Shaping Characteristics Using Tikhonov Regularization. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 665-681.	3.2	33

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55	Robust Adaptive Beamformers Based on Worst-Case Optimization and Constraints on Magnitude Response. IEEE Transactions on Signal Processing, 2009, 57, 2615-2628.	5.3	97
56	Spectral factorization for integer-interval sampled sequence and its applications in array processing. Signal Processing, 2008, 88, 1715-1724.	3.7	6
57	Robust response control for adaptive beamformers against arbitrary array imperfections. Signal Processing, 2008, 88, 2234-2245.	3.7	10
58	A Hybrid PNN-GMM classification scheme for speech emotion recognition. , 2008, , .		6
59	Wearable system design with wheeze signal detection. , 2008, , .		4
60	An improved genetic algorithm for aperiodic array synthesis. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	9
61	Array steering vector estimation with nonstationary noise exploiting calibrated noise subspace. , 2008, , .		0
62	Speech Emotion Recognition Using Canonical Correlation Analysis and Probabilistic Neural Network. , 2008, , .		17
63	Robust adaptive beamformers with linear matrix inequality constraints. , 2008, , .		3
64	Design of broadband beamformers for microphone arrays using variably-weighted least squares. , 2008, , .		1
65	Robust adaptive beamformer exploiting symmetric structure of array. , 2008, , .		1
66	A Novel Adaptive Beamformer Based on Semidefinite Programming (SDP) With Magnitude Response Constraints. IEEE Transactions on Antennas and Propagation, 2008, 56, 1297-1307.	5.1	41
67	A novel robust adaptive beamformer based on worst-case linear optimization. , 2008, , .		13
68	Bi-model tracking of object of interest using invariant spatiogram descriptor. , 2008, , .		2
69	Optimal Design of Nearfield Wideband Beamformers Robust Against Errors in Microphone Array Characteristics. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1950-1959.	0.1	48
70	Self-Calibration-Based Robust Near-Field Adaptive Beamforming for Microphone Arrays. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 267-271.	2.2	17
71	A novel robust beamformer based on linear optimization. , 2007, , .		6
72	Kalman Smoother and Its Application in Analysis of Snoring Sounds for the Diagnosis of Obstructive Sleep Apnea. , 2007, , 1041-1044.		1

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73	Stability Analysis of Constrained Nonlinear Phase Portrait Models of Fingerprint Orientation Images. Lecture Notes in Computer Science, 2007, , 493-502.	1.3	2
74	An Efficient Adaptive Beamforming Technique with Pattern Control Ability. , 2006, , .		0
75	Beam Pattern Synthesis in the Presence of Interference and Multipath. , 2006, , .		1
76	A blind cascade structure interference cancellation RAKE receiver for CDMA communications. , 2006, , .		3
77	A fast fading channel identification method for OFDM communication system. , 2006, , .		1
78	An Efficient Adaptive Beamforming Technique with Pattern Control Ability. , 2006, , .		1
79	Predictive fine granularity successive elimination for fast optimal block-matching motion estimation. IEEE Transactions on Image Processing, 2005, 14, 213-221.	9.8	64
80	A Novel Pseudoerror Monitor. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	2
81	UCHT-based complex sequences for asynchronous CDMA system. IEEE Transactions on Communications, 2003, 51, 618-626.	7.8	32
82	An enhanced joint equalization algorithm for full-duplex DMT transceivers. IEEE Communications Letters, 2003, 7, 82-84.	4.1	1
83	A robust online secondary path modeling method with auxiliary noise power scheduling strategy and norm constraint manipulation. IEEE Transactions on Speech and Audio Processing, 2003, 11, 45-53.	1.5	75
84	Loudspeaker Equalization with Post-Processing. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.7	1
85	Joint impulse response shortening for DMT transceivers. Electronics Letters, 2002, 38, 1603.	1.0	1
86	A weight-constrained FxLMS algorithm for feedforward active noise control systems. IEEE Signal Processing Letters, 2002, 9, 1-4.	3.6	48
87	An active noise control system using online secondary path modeling with reduced auxiliary noise. IEEE Signal Processing Letters, 2002, 9, 16-18.	3.6	30
88	Online fingerprint template improvement. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 1121-1126.	13.9	83
89	A new approach for speaker tracking in reverberant environment. Signal Processing, 2002, 82, 1023-1028.	3.7	7
90	New criterion for time-domain equalizer design in OFDM systems. , 2002, , .		0

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91	Cross-updated active noise control system with online secondary path modeling. IEEE Transactions on Speech and Audio Processing, 2001, 9, 598-602.	1.5	179
92	Detecting the fingerprint minutiae by adaptive tracing the gray-level ridge. Pattern Recognition, 2001, 34, 999-1013.	8.1	99
93	Speech detection using microphone array. Electronics Letters, 2000, 36, 181.	1.0	8
94	An improved secondary path modeling method for active noise control systems. IEEE Signal Processing Letters, 2000, 7, 73-75.	3.6	12
95	Probabilistic neural-network structure determination for pattern classification. IEEE Transactions on Neural Networks, 2000, 11, 1009-1016.	4.2	229
96	Minutiae extraction by adaptive tracing the gray level ridge of the fingerprint image. , 1999, , .		6
97	A new method for determining "unknown" worst-case channels for maximum-likelihood sequence estimation. IEEE Transactions on Communications, 1998, 46, 164-168.	7.8	8
98	An investigation on number of signals whose directions-of-arrival are uniquely determinable with an electromagnetic vector sensor. Signal Processing, 1995, 47, 41-54.	3.7	40
99	A framework for speaker tracking using microphone array and camera. , 0, , .		2
100	Array shape calibration using sources in known locations. , 0, , .		12
101	A study of the resolvability of vector-sensor array in direction-of-arrival estimation. , 0, , .		1
102	Blind ISI cancellation by anchoring an arbitrary impulse response coefficient of channels. , 0, , .		0
103	Multiband warped filter equalizer design for loudspeaker systems. , 0, , .		3
104	Blind signal recovery for high rate CDMA systems. , 0, , .		0
105	Bark scale equalizer design using warped filter. , 0, , .		1
106	A new algorithm for joint impulse response shortening in DMT systems. , 0, , .		0
107	A new algorithm for time domain equalization in OFDM systems. , 0, , .		4
108	A robust beamformer for OFDM based WLANs against burst interference. , 0, , .		1

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109	Adaptive semi-blind channel estimation for OFDM systems. , 0, , .		2
110	A new successive elimination algorithm for fast block matching in motion estimation. , 0, , .		5
111	Delay selection for TEQ in OFDM systems. , 0, , .		1
112	A novel statistical approach to ISI mitigation. , 0, , .		1
113	QR-RLS Based Minimum Variance Distortionless Responses Beamformer. , 0, , .		3
114	Automatic Recognition of Emotional States From Human Speeches. , 0, , .		5