Stephen McLaughlin

List of Publications by Year
in descending order

263 papers	7,974 citations	87401 40 h-index	64407 83 g-index
265 all docs	265 docs citations	265 times ranked	6863 citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse Linear Spectral Unmixing of Hyperspectral Images Using Expectation-Propagation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	4
2	Fast Task-Based Adaptive Sampling for 3D Single-Photon Multispectral Lidar Data. IEEE Transactions on Computational Imaging, 2022, 8, 174-187.	2.6	5
3	Joint Digital Analogue DVB-S2(X) Link Optimization in Non-Linear Channel. IEEE Access, 2022, 10, 40794-40805.	2.6	2
4	A Bayesian Based Deep Unrolling Algorithm for Single-Photon Lidar Systems. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 762-774.	7.3	9
5	Semi-Supervised Gaussian Mixture Variational Autoencoder for Pulse Shape Discrimination. , 2022, , .		2
6	Robust Bayesian Reconstruction of Multispectral Single-Photon 3D Lidar Data with Non-Uniform Background. , 2022, , .		0
7	Robust 3D Reconstruction of Dynamic Scenes From Single-Photon Lidar Using Beta-Divergences. IEEE Transactions on Image Processing, 2021, 30, 1716-1727.	6.0	11
8	Robust super-resolution depth imaging via a multi-feature fusion deep network. Optics Express, 2021, 29, 11917.	1.7	24
9	Fast Classification and Depth Estimation for Multispectral Single-Photon LiDAR Data. , 2021, , .		0
10	Edge-Resolved Transient Imaging: Performance Analyses, Optimizations, and Simulations. , 2021, , .		1
11	Radiomics-Led Monitoring of Non-small Cell Lung Cancer Patients During Radiotherapy. Lecture Notes in Computer Science, 2021, , 532-546.	1.0	1
12	Robust Linear Regression and Anomaly Detection in the Presence of Poisson Noise Using Expectation-Propagation. Lecture Notes in Mechanical Engineering, 2021, , 143-158.	0.3	0
13	Robust and Guided Bayesian Reconstruction of Single-Photon 3D Lidar Data: Application to Multispectral and Underwater Imaging. IEEE Transactions on Computational Imaging, 2021, 7, 961-974.	2.6	22
14	Bayesian Activity Estimation and Uncertainty Quantification of Spent Nuclear Fuel Using Passive Gamma Emission Tomography. Journal of Imaging, 2021, 7, 212.	1.7	2
15	Blind deconvolution of images corrupted by Gaussian noise using Expectation Propagation. , 2021, , .		0
16	Robust and Guided Super-resolution for Single-Photon Depth Imaging via a Deep Network. , 2021, , .		0
17	Robust Restoration of Sparse Multidimensional Single-Photon LiDAR Images. IEEE Transactions on Computational Imaging, 2020, 6, 138-152.	2.6	27
18	Bayesian 3D Reconstruction of Subsampled Multispectral Single-Photon Lidar Signals. IEEE Transactions on Computational Imaging, 2020, 6, 208-220.	2.6	19

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19	Image computing for fibre-bundle endomicroscopy: A review. Medical Image Analysis, 2020, 62, 101620.	7.0	44
20	Learning Non-Local Spatial Correlations To Restore Sparse 3D Single-Photon Data. IEEE Transactions on Image Processing, 2020, 29, 3119-3131.	6.0	25
21	Fast Online 3D Reconstruction of Dynamic Scenes From Individual Single-Photon Detection Events. IEEE Transactions on Image Processing, 2020, 29, 2666-2675.	6.0	19
22	End-to-End Energy Efficiency Evaluation for B5G Ultra Dense Networks. , 2020, , .		3
23	Seeing around corners with edge-resolved transient imaging. Nature Communications, 2020, 11, 5929.	5.8	33
24	Fast Surface Detection Using Single-Photon Detection Events. , 2020, , .		3
25	Expectation-propagation for weak radionuclide identification at radiation portal monitors. Scientific Reports, 2020, 10, 6811.	1.6	4
26	Expectation-Maximization Based Approach to 3D Reconstruction From Single-Waveform Multispectral Lidar Data. IEEE Transactions on Computational Imaging, 2020, 6, 1033-1043.	2.6	6
27	Advances in Single-Photon Lidar for Autonomous Vehicles: Working Principles, Challenges, and Recent Advances. IEEE Signal Processing Magazine, 2020, 37, 62-71.	4.6	66
28	BER Performance of Spatial Modulation Systems Under a Non-Stationary Massive MIMO Channel Model. IEEE Access, 2020, 8, 44547-44558.	2.6	7
29	High-speed 3D sensing via hybrid-mode imaging and guided upsampling. Optica, 2020, 7, 1253.	4.8	58
30	Sparse Spectral Unmixing of Hyperspectral Images using Expectation-Propagation. , 2020, , .		1
31	SARA â€" A Semantic Access Point Resource Allocation Service for Heterogenous Wireless Networks. , 2019, , .		1
32	Joint Reconstruction of Multitemporal or Multispectral Single-Photon 3D LiDAR Images. , 2019, , .		0
33	Bayesian bacterial detection using irregularly sampled optical endomicroscopy images. Medical Image Analysis, 2019, 57, 18-31.	7.0	5
34	Real-time 3D reconstruction from single-photon lidar data using plug-and-play point cloud denoisers. Nature Communications, 2019, 10, 4984.	5.8	123
35	A Hierarchical Bayesian Approach to Neutron Spectrum Unfolding With Organic Scintillators. IEEE Transactions on Nuclear Science, 2019, 66, 2265-2274.	1.2	13
36	Long-range depth imaging using a single-photon detector array and non-local data fusion. Scientific Reports, 2019, 9, 8075.	1.6	46

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37	A novel algorithm for the identification of dirac impulses from filtered noisy measurements. Signal Processing, 2019, 162, 268-281.	2.1	3
38	Bayesian 3D Reconstruction of Complex Scenes from Single-Photon Lidar Data. SIAM Journal on Imaging Sciences, 2019, 12, 521-550.	1.3	70
39	Fast Adaptive Scene Sampling for Single-Photon 3D Lidar Images. , 2019, , .		6
40	Non-Local Restoration Of Sparse 3d Single-Photon Data. , 2019, , .		1
41	ToCo: An Ontology for Representing Hybrid Telecommunication Networks. Lecture Notes in Computer Science, 2019, , 507-522.	1.0	4
42	Characterising cross-coupling in coherent fibre bundles. , 2019, , .		2
43	On fast object detection using single-photon lidar data. , 2019, , .		5
44	Underwater depth imaging using time-correlated single-photon counting at video frame rates. , 2019, , .		1
45	Enhancing the recovery of a temporal sequence of images using joint deconvolution. Scientific Reports, 2018, 8, 5257.	1.6	3
46	Deconvolution and Restoration of Optical Endomicroscopy Images. IEEE Transactions on Computational Imaging, 2018, 4, 194-205.	2.6	13
47	Deconvolution of Irregularly Subsampled Images. , 2018, , .		1
48	Restoration of Multilayered Single-Photon 3D Lidar Images. , 2018, , .		1
49	Artificial Intelligence to Manage Network Traffic of 5G Wireless Networks. IEEE Network, 2018, 32, 58-64.	4.9	96
50	ReasoNet: Inferring Network Policies Using Ontologies. , 2018, , .		7
51	Range Estimation from Single-Photon Lidar Data Using a Stochastic Em Approach. , 2018, , .		13
52	Multi-class classification of pulmonary endomicroscopic images. , 2018, , .		5
53	Spectral classification of sparse photon depth images. Optics Express, 2018, 26, 5514.	1.7	17
54	High-resolution depth profiling using a range-gated CMOS SPAD quanta image sensor. Optics Express, 2018, 26, 5541.	1.7	75

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55	Quantum-inspired computational imaging. Science, 2018, 361, .	6.0	134
56	Multifractal Analysis of Multivariate Images Using Gamma Markov Random Field Priors. SIAM Journal on Imaging Sciences, 2018, 11, 1294-1316.	1.3	9
57	Wavelength-time coding for multispectral 3D imaging using single-photon LiDAR. Optics Express, 2018, 26, 30146.	1.7	25
58	Texture Descriptors for Classifying Sparse, Irregularly Sampled Optical Endomicroscopy Images. Communications in Computer and Information Science, 2018, , 165-176.	0.4	3
59	Automated Detection of Uninformative Frames in Pulmonary Optical Endomicroscopy. IEEE Transactions on Biomedical Engineering, 2017, 64, 87-98.	2.5	17
60	On Demodulation, Ridge Detection, and Synchrosqueezing for Multicomponent Signals. IEEE Transactions on Signal Processing, 2017, 65, 2093-2103.	3.2	108
61	Denoising Smooth Signals Using a Bayesian Approach: Application to Altimetry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1278-1289.	2.3	5
62	Object Depth Profile and Reflectivity Restoration From Sparse Single-Photon Data Acquired in Underwater Environments. IEEE Transactions on Computational Imaging, 2017, 3, 472-484.	2.6	78
63	Fast Hyperspectral Unmixing in Presence of Nonlinearity or Mismodeling Effects. IEEE Transactions on Computational Imaging, 2017, 3, 146-159.	2.6	46
64	A Bayesian Approach to Denoising of Single-Photon Binary Images. IEEE Transactions on Computational Imaging, 2017, 3, 460-471.	2.6	19
65	Observation of laser pulse propagation in optical fibers with a SPAD camera. Scientific Reports, 2017, 7, 43302.	1.6	14
66	Fast Unsupervised Bayesian Image Segmentation With Adaptive Spatial Regularisation. IEEE Transactions on Image Processing, 2017, 26, 2577-2587.	6.0	31
67	Fast hyperspectral unmixing in presence of sparse multiple scattering nonlinearities. , 2017, , .		0
68	Robust Spectral Unmixing of Sparse Multispectral Lidar Waveforms Using Gamma Markov Random Fields. IEEE Transactions on Computational Imaging, 2017, 3, 658-670.	2.6	30
69	Comparative study of sampling strategies for sparse photon multispectral lidar imaging: towards mosaic filter arrays. Journal of Optics (United Kingdom), 2017, 19, 094006.	1.0	23
70	Restoration of depth and intensity images using a graph laplacian regularization. , 2017, , .		2
71	Restoration of multilayered single-photon 3D Lidar images. , 2017, , .		12
72	Characterization and modelling of inter-core coupling in coherent fiber bundles. Optics Express, 2017, 25, 11932.	1.7	24

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73	Fast tracking of hidden objects with single‐pixel detectors. Electronics Letters, 2017, 53, 1005-1008.	0.5	12
74	Unsupervised restoration of subsampled images constructed from geometric and binomial data. , 2017, , .		0
75	New Level Set Model in Follow Up Radiotherapy Image Analysis. Communications in Computer and Information Science, 2017, , 273-284.	0.4	1
76	Context-Aware Convolutional Neural Networks for Stroke Sign Detection in Non-contrast CT Scans. Communications in Computer and Information Science, 2017, , 494-505.	0.4	16
77	Underwater Three-Dimensional Imaging using Single-Photon Detection. , 2017, , .		2
78	Comparing Bayesian models in the absence of ground truth. , 2016, , .		2
79	Assessing the utility of autofluorescence-based pulmonary optical endomicroscopy to predict the malignant potential of solitary pulmonary nodules in humans. Scientific Reports, 2016, 6, 31372.	1.6	19
80	Filtering smooth altimetric signals using a Bayesian algorithm. , 2016, , .		0
81	Restoration of intensity and depth images constructed using sparse single-photon data. , 2016, , .		34
82	Joint spectral clustering and range estimation for 3D scene reconstruction using multispectral lidar waveforms. , 2016, , .		8
83	SERS as a tool for in vitro toxicology. Faraday Discussions, 2016, 187, 501-520.	1.6	7
84	Adaptive multimode signal reconstruction from time–frequency representations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150205.	1.6	57
85	INVITED REVIEW—IMAGE REGISTRATION IN VETERINARY RADIATION ONCOLOGY: INDICATIONS, IMPLICATIONS, AND FUTURE ADVANCES. Veterinary Radiology and Ultrasound, 2016, 57, 113-123.	0.4	8
86	Target detection for depth imaging using sparse single-photon data. , 2016, , .		10
87	Bayesian multifractal analysis of multi-temporal images using smooth priors. , 2016, , .		0
88	A Bayesian framework for the multifractal analysis of images using data augmentation and a whittle approximation. , 2016, , .		3
89	A Bayesian approach for the multifractal analysis of spatio-temporal data. , 2016, , .		0
90	Robust Markov Random Field outlier detection and removal in subsampled images. , 2016, , .		2

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91	Robust Unmixing Algorithms for Hyperspectral Imagery. , 2016, , .		3
92	Depth imaging in highly scattering underwater environments using time-correlated single-photon counting. Proceedings of SPIE, 2016, , .	0.8	6
93	Joint range estimation and spectral classification for 3D scene reconstruction using multispectral Lidar waveforms. , 2016, , .		6
94	Robust Bayesian target detection algorithm for depth imaging from sparse single-photon data. IEEE Transactions on Computational Imaging, 2016, , 1-1.	2.6	19
95	Efficient Range Estimation and Material Quantification from Multispectral Lidar Waveforms. , 2016, , .		9
96	Nonlinear hyperspectral unmixing accounting for spatial illumination variability. , 2016, , .		0
97	Introduction to the Issue on Stochastic Simulation and Optimization in Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 221-223.	7.3	6
98	Assessment of the Cost and Environmental Impact of Residential Demand-Side Management. IEEE Transactions on Industry Applications, 2016, 52, 2486-2495.	3.3	31
99	Lidar Waveform-Based Analysis of Depth Images Constructed Using Sparse Single-Photon Data. IEEE Transactions on Image Processing, 2016, 25, 1935-1946.	6.0	110
100	A Survey of Stochastic Simulation and Optimization Methods in Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 224-241.	7.3	93
101	Robust linear spectral unmixing using outlier detection. , 2015, , .		2
102	Identifying radiotherapy target volumes in brain cancer by image analysis. Healthcare Technology Letters, 2015, 2, 123-128.	1.9	5
103	Hyperspectral image analysis using multifractal attributes. , 2015, , .		5
104	Exploiting Information Geometry to Improve the Convergence of Nonparametric Active Contours. IEEE Transactions on Image Processing, 2015, 24, 836-845.	6.0	8
105	Bayesian Nonlinear Hyperspectral Unmixing With Spatial Residual Component Analysis. IEEE Transactions on Computational Imaging, 2015, 1, 174-185.	2.6	28
106	Unmixing multitemporal hyperspectral images accounting for endmember variability. , 2015, , .		5
107	Nonlinear spectral unmixing using residual component analysis and a Gamma Markov random field. , 2015, , .		0
108	A Bayesian approach for the joint estimation of the multifractality parameter and integral scale based on the Whittle approximation. , 2015, , .		3

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109	Bayesian estimation of the multifractality parameter for images via a closed-form Whittle likelihood. , 2015, , .		3
110	Network virtualization and resource description in software-defined wireless networks. , 2015, 53, 110-117.		27
111	Bayesian Estimation of the Multifractality Parameter for Image Texture Using a Whittle Approximation. IEEE Transactions on Image Processing, 2015, 24, 2540-2551.	6.0	17
112	Identifying the dominant prostate cancer focal lesion using image analysis and planning of a simultaneous integrated stereotactic boost. Acta OncolÃ³gica, 2015, 54, 1543-1550.	0.8	11
113	Robust Linear Spectral Unmixing Using Anomaly Detection. IEEE Transactions on Computational Imaging, 2015, 1, 74-85.	2.6	41
114	Spectral Unmixing of Multispectral Lidar Signals. IEEE Transactions on Signal Processing, 2015, 63, 5525-5534.	3.2	20
115	Residual component analysis of hyperspectral images for joint nonlinear unmixing and nonlinearity detection. , 2014, , .		2
116	Nonlinear spectral unmixing of hyperspectral images using residual component analysis. , 2014, , .		0
117	Nonlinear Unmixing of Hyperspectral Images: Models and Algorithms. IEEE Signal Processing Magazine, 2014, 31, 82-94.	4.6	362
118	Active shape models with optimised texture features for radiotherapy. Proceedings of SPIE, 2014, , .	0.8	0
119	Residual Component Analysis of Hyperspectral Imagesâ€"Application to Joint Nonlinear Unmixing and Nonlinearity Detection. IEEE Transactions on Image Processing, 2014, 23, 2148-2158.	6.0	84
120	Theoretical and experimental analysis of bispectrum of vibration signals for fault diagnosis of gears. Mechanical Systems and Signal Processing, 2014, 43, 76-89.	4.4	57
121	Simulating the time-varying harmonics of the residential load sector. , 2014, , .		7
122	Sampling from a multivariate Gaussian distribution truncated on a simplex: A review. , 2014, , .		14
123	Development of Low-Voltage Load Models for the Residential Load Sector. IEEE Transactions on Power Systems, 2014, 29, 2180-2188.	4.6	133
124	Special issue on green radio. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	1.5	0
125	Nonlinear Spectral Unmixing of Hyperspectral Images Using Gaussian Processes. IEEE Transactions on Signal Processing, 2013, 61, 2442-2453.	3.2	91
126	Time-Frequency Reassignment and Synchrosqueezing: An Overview. IEEE Signal Processing Magazine, 2013, 30, 32-41.	4.6	456

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127	Thresholding-based online algorithms of complexity comparable to sparse LMS methods. , 2013, , .		2
128	Exploiting Information Geometry to Improve the Convergence Properties of Variational Active Contours. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 700-707.	7.3	12
129	Super-resolution Sparse Projected Capacitive Multitouch Sensing. , 2013, , .		4
130	Voltage control of UK residential customers for power reduction. , 2013, , .		8
131	Generalized Thresholding and Online Sparsity-Aware Learning in a Union of Subspaces. IEEE Transactions on Signal Processing, 2013, 61, 3760-3773.	3.2	17
132	Time-Frequency Analysis and Applications [From the Guest Editors]. IEEE Signal Processing Magazine, 2013, 30, 19-150.	4.6	35
133	Analysis of strongly modulated multicomponent signals with the short-time Fourier transform. , 2013, , .		3
134	Exploiting information geometry to improve the convergence of nonparametric active contours. , 2013, , .		0
135	Generalized thresholding sparsity-aware algorithm for low complexity online learning. , 2012, , .		6
136	Multicomponent signal denoising with synchrosqueezing. , 2012, , .		7
137	Multi-scale electrical load modelling for demand-side management. , 2012, , .		10
138	Unsupervised nonlinear unmixing of hyperspectral images using Gaussian processes. , 2012, , .		3
139	Comment on "Relay Selection for Secure Cooperative Networks with Jamming". IEEE Transactions on Wireless Communications, 2012, 11, 2351-2351.	6.1	4
140	A New Algorithm for Multicomponent Signals Analysis Based on SynchroSqueezing: With an Application to Signal Sampling and Denoising. IEEE Transactions on Signal Processing, 2012, 60, 5787-5798.	3.2	191
141	Biologically inspired signal processing: analyses, algorithms and applications. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	0
142	Reduced complexity online sparse signal reconstruction using projections onto weighted &#x2113;<inf>1</inf> balls. , 2011, , .		1
143	Multi-scale dynamic modeling to maximize demand side management. , 2011, , .		7
144	A Feedback-Based Transmission for Wireless Networks with Energy and Secrecy Constraints. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	1

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145	Speech Analysis and Synthesis Based on Dynamic Modes. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2566-2578.	3.8	3
146	Techniques for improving cellular radio base station energy efficiency. IEEE Wireless Communications, 2011, 18, 10-17.	6.6	419
147	Nonlinear unmixing of hyperspectral images using radial basis functions and orthogonal least squares. , 2011, , .		17
148	A Semianalytical PDF of Downlink SINR for Femtocell Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	1.5	37
149	Time-frequency and advanced frequency estimation techniques for the investigation of bat echolocation calls. Journal of the Acoustical Society of America, 2010, 127, 1124-1134.	0.5	21
150	Power allocation for cooperative-based jamming in wireless networks with secrecy constraints. , 2010, , .		12
151	On the diversity order of non-orthogonal amplify-and-forward over block-fading channels. IEEE Transactions on Wireless Communications, 2010, 9, 1890-1900.	6.1	4
152	Traffic-aware Routing for Wireless Sensor Networks in Built Environment. , 2010, , .		3
153	Feedback based relaying in long term evolution systems. , 2010, , .		0
154	Segmented motion compensation for complementary coded ultrasonic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1039-1050.	1.7	7
155	Relay Selection Issues for Amplify-and-Forward Cooperative Systems with Interference. , 2009, , .		10
156	Exploiting Multiple Antennas for Synchronization. IEEE Transactions on Vehicular Technology, 2009, 58, 773-787.	3.9	6
157	Protocol design and throughput analysis for multi-user cognitive cooperative systems. IEEE Transactions on Wireless Communications, 2009, 8, 4740-4751.	6.1	97
158	Max-min relay selection for legacy amplify-and-forward systems with interference. IEEE Transactions on Wireless Communications, 2009, 8, 3016-3027.	6.1	284
159	Development of EMD-Based Denoising Methods Inspired by Wavelet Thresholding. IEEE Transactions on Signal Processing, 2009, 57, 1351-1362.	3.2	535
160	Stability analysis for cognitive radio with cooperative enhancements. , 2009, , .		1
161	Investigation of bat echolocation calls using high resolution spectrogram and instantaneous frequency based analysis. , 2009, , .		3
162	Relay selection for secure cooperative networks with jamming. IEEE Transactions on Wireless Communications, 2009, 8, 5003-5011.	6.1	439

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163	A diversity analysis for block-fading Amplify-and-Forward systems. , 2009, , .		0
164	The imperatives of e‑business: case study of a failed project. Journal of Business Strategy, 2009, 30, 40-49.	0.9	7
165	Cascade Prediction Filters With Adaptive Zeros to Track the Time-Varying Resonances of the Vocal Tract. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 1-7.	3.8	8
166	Optimization Issues for Cooperative Amplify-and-Forward Systems Over Block-Fading Channels. IEEE Transactions on Vehicular Technology, 2008, 57, 2868-2884.	3.9	28
167	Investigation and Performance Enhancement of the Empirical Mode Decomposition Method Based on a Heuristic Search Optimization Approach. IEEE Transactions on Signal Processing, 2008, 56, 1-13.	3.2	105
168	Amplify-and-forward with partial relay selection. IEEE Communications Letters, 2008, 12, 235-237.	2.5	368
169	A novel timing synchronization method for ACO-OFDM-based optical wireless communications. IEEE Transactions on Wireless Communications, 2008, 7, 4958-4967.	6.1	35
170	Mirrored motion compensation for complementary-coded ultrasonic imaging. , 2008, , .		1
171	Improved EMD Using Doubly-Iterative Sifting and High Order Spline Interpolation. Eurasip Journal on Advances in Signal Processing, 2008, 2008, 128293.	1.0	31
172	Non-orthogonal Amplify-and-Forward for block-fading channels. , 2008, , .		1
173	On rate-adaptability of nonbinary LDPC codes. , 2008, , .		11
174	Motion compensated complementary coding for medical ultrasound. , 2008, , .		1
175	Source signature deconvolution for VSP applications. , 2007, , .		1
176	Investigation of the Empirical Mode Decomposition Based on Genetic Algorithm Optimization Schemes. , 2007, , .		4
177	Enhanced Empirical Mode Decomposition using a Novel Sifting-Based Interpolation Points Detection. , 2007, , .		10
178	Implementable wireless access for B3G networks. I. MIMO mimo channel measurement, analysis, and modeling [Topics in Radio Communications]. , 2007, 45, 85-92.		8
179	Implementable wireless access for B3G networks. II. MIMO receiver architectures [Topics in Radio Communications]. , 2007, 45, 93-97.		4
180	Implementable wireless access for B3G networks. III. Complexity reducing transceiver structures [Topics in Radio Communications]. , 2007, 45, 98-104.		1

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181	Implementable wireless access for B3G networks. IV. Resource management issues [Topics in Radio Communications]. , 2007, 45, 106-111.		1
182	Channel estimation and interference cancellation in CPâ€"CDMA systems. IET Communications, 2007, 1, 106.	1.5	3
183	MIMO Cooperative Diversity in a Transmit Power Limited Environment. , 2007, , .		2
184	Packet Scheduling in Wireless Systems using MIMO Arrays and VBLAST Architecture. IEEE Vehicular Technology Conference, 2007, , .	0.2	0
185	Error analysis of ultrasonic tissue doppler velocity estimation techniques for quantification of velocity and strain. Ultrasound in Medicine and Biology, 2007, 33, 74-81.	0.7	5
186	Wideband Unshielded-Twisted-Pair (UTP) Cable Measurements and Modeling for Multiple-Inputâ€"Multiple-Output (MIMO) Systems. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2515-2521.	2.4	5
187	Stationarity Analysis of Ambient Noise in the Baltic Sea. , 2006, , .		2
188	Conditioning Lofargrams Using Empirical Mode Decomposition. , 2006, , .		0
189	Towards multi-mode terminals. IEEE Vehicular Technology Magazine, 2006, 1, 17-24.	2.8	8
190	The Use of the Fractional Fourier Transform With Coded Excitation in Ultrasound Imaging. IEEE Transactions on Biomedical Engineering, 2006, 53, 754-756.	2.5	13
191	The use of ICA in multiplicative noise. Neurocomputing, 2006, 69, 1435-1441.	3.5	6
192	Estimating errors in transmission systems due to impulse noise. IET Communications, 2006, 153, 651.	1.0	6
193	Dual antenna cooperative diversity techniques. IET Communications, 2006, 153, 556.	1.0	7
194	Capacity Enhancement Using Ad Hoc Pico-Cells and TDD Underlay. , 2006, , .		2
195	MIMO Cooperative Diversity Strategies for Frequency Selective Fading Relay Channels. , 2006, , .		4
196	The COST-277 European Action: An Overview. Lecture Notes in Computer Science, 2006, , 1-9.	1.0	0
197	Empirical mode decomposition and tissue harmonic imaging. Ultrasound in Medicine and Biology, 2005, 31, 1051-1061.	0.7	9
198	Robust OFDM timing synchronisation. Electronics Letters, 2005, 41, 751.	0.5	18

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199	Bandwidth efficient single carrier systems with frequency domain equalisation. Electronics Letters, 2005, 41, 857.	0.5	14
200	A novel wideband dynamic directional indoor channel model based on a Markov process. IEEE Transactions on Wireless Communications, 2005, 4, 1539-1552.	6.1	54
201	Congestion-based routing strategies in multihop TDD-CDMA networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 668-681.	9.7	28
202	Exploiting multiuser diversity for MIMO cellular systems using packet scheduling and the VBLAST receiver. , 2005, , .		0
203	Preselection-based iterative multiuser detector for DS-CDMA systems. Electronics Letters, 2004, 40, 546.	0.5	0
204	Channel-adaptive sectored multicarrier packet based systems. Electronics Letters, 2004, 40, 1194.	0.5	4
205	Radio resource metric estimation for a TDD-CDMA system supporting wireless internet traffic. Wireless Communications and Mobile Computing, 2004, 4, 513-528.	0.8	1
206	Variable step-size EASI algorithm for sequential blind source separation. Electronics Letters, 2004, 40, 393.	0.5	36
207	A Derivation of the PDF of Adjacent Channel Interference in a Cellular System. IEEE Communications Letters, 2004, 8, 102-104.	2.5	16
208	Personal area technologies for internetworked services. , 2004, 42, S15-S26.		7
209	High survival probability routing in power-aware mobile ad hoc networks. Electronics Letters, 2004, 40, 1424.	0.5	3
210	Low-density parity-check codes over gaussian channels with erasures. IEEE Transactions on Information Theory, 2003, 49, 1801-1809.	1.5	19
211	A new statistical wideband spatio-temporal channel model for 5-GHz band WLAN systems. IEEE Journal on Selected Areas in Communications, 2003, 21, 139-150.	9.7	172
212	Spatio-temporal correlation properties for the 5.2 GHz indoor propagation environments. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 114-117.	2.4	8
213	A comparison of the MMSE detector and its V-BLAST version for a stochastic MIMO radio channel model. , 2003, , .		0
214	Fractional Fourier transform techniques applied to active sonar. , 2003, , .		6
215	Comparison of quadratic phase coupling detectors on sonar data. , 2003, , .		2
216	Practical algorithm for adaptive subcarrier-hopping multicarrier multiple access transmission. Electronics Letters, 2003, 39, 1544.	0.5	3

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