Stephen McLaughlin

List of Publications by Year
in descending order

263	7,974	76326 40	56724 83
papers	citations	h-index	g-index

265	265	265	6030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of EMD-Based Denoising Methods Inspired by Wavelet Thresholding. IEEE Transactions on Signal Processing, 2009, 57, 1351-1362.	5.3	535
2	Time-Frequency Reassignment and Synchrosqueezing: An Overview. IEEE Signal Processing Magazine, 2013, 30, 32-41.	5.6	456
3	Relay selection for secure cooperative networks with jamming. IEEE Transactions on Wireless Communications, 2009, 8, 5003-5011.	9.2	439
4	Techniques for improving cellular radio base station energy efficiency. IEEE Wireless Communications, 2011, 18, 10-17.	9.0	419
5	Amplify-and-forward with partial relay selection. IEEE Communications Letters, 2008, 12, 235-237.	4.1	368
6	Nonlinear Unmixing of Hyperspectral Images: Models and Algorithms. IEEE Signal Processing Magazine, 2014, 31, 82-94.	5.6	362
7	Max-min relay selection for legacy amplify-and-forward systems with interference. IEEE Transactions on Wireless Communications, 2009, 8, 3016-3027.	9.2	284
8	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.	5.3	191
9	Adaptive Bayesian equalizer with decision feedback. IEEE Transactions on Signal Processing, 1993, 41, 2918-2927.	5.3	178
10	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.	14.0	172
11	Quantum-inspired computational imaging. Science, 2018, 361, .	12.6	134
12	Development of Low-Voltage Load Models for the Residential Load Sector. IEEE Transactions on Power Systems, 2014, 29, 2180-2188.	6.5	133
13	Complex-valued radial basis function network, Part II: Application to digital communications channel equalisation. Signal Processing, 1994, 36, 175-188.	3.7	129
14	Real-time 3D reconstruction from single-photon lidar data using plug-and-play point cloud denoisers. Nature Communications, 2019, 10, 4984.	12.8	123
15	Complex-valued radial basic function network, Part I: Network architecture and learning algorithms. Signal Processing, 1994, 35, 19-31.	3.7	120
16	Performance analysis of compact antenna arrays with MRC in correlated Nakagami fading channels. IEEE Transactions on Vehicular Technology, 2001, 50, 267-277.	6.3	110
17	Lidar Waveform-Based Analysis of Depth Images Constructed Using Sparse Single-Photon Data. IEEE Transactions on Image Processing, 2016, 25, 1935-1946.	9.8	110
18	On Demodulation, Ridge Detection, and Synchrosqueezing for Multicomponent Signals. IEEE Transactions on Signal Processing, 2017, 65, 2093-2103.	5.3	108

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19	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.	5.3	105
20	Protocol design and throughput analysis for multi-user cognitive cooperative systems. IEEE Transactions on Wireless Communications, 2009, 8, 4740-4751.	9.2	97
21	Artificial Intelligence to Manage Network Traffic of 5G Wireless Networks. IEEE Network, 2018, 32, 58-64.	6.9	96
22	A Survey of Stochastic Simulation and Optimization Methods in Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 224-241.	10.8	93
23	Nonlinear Spectral Unmixing of Hyperspectral Images Using Gaussian Processes. IEEE Transactions on Signal Processing, 2013, 61, 2442-2453.	5.3	91
24	An FFT-Based Approach for Fast Acquisition in Spread Spectrum Communication Systems. Wireless Personal Communications, 2000, 13, 27-55.	2.7	86
25	Residual Component Analysis of Hyperspectral Imagesâ€"Application to Joint Nonlinear Unmixing and Nonlinearity Detection. IEEE Transactions on Image Processing, 2014, 23, 2148-2158.	9.8	84
26	Speech characterization and synthesis by nonlinear methods. IEEE Transactions on Speech and Audio Processing, 1999, 7, 1-17.	1.5	79
27	Object Depth Profile and Reflectivity Restoration From Sparse Single-Photon Data Acquired in Underwater Environments. IEEE Transactions on Computational Imaging, 2017, 3, 472-484.	4.4	78
28	High-resolution depth profiling using a range-gated CMOS SPAD quanta image sensor. Optics Express, 2018, 26, 5541.	3.4	75
29	Adaptive Bayesian decision feedback equalizer for dispersive mobile radio channels. IEEE Transactions on Communications, 1995, 43, 1937-1946.	7.8	70
30	Bayesian 3D Reconstruction of Complex Scenes from Single-Photon Lidar Data. SIAM Journal on Imaging Sciences, 2019, 12, 521-550.	2.2	70
31	Impulse generation with appropriate amplitude, length, inter-arrival, and spectral characteristics. IEEE Journal on Selected Areas in Communications, 2002, 20, 901-912.	14.0	68
32	Advances in Single-Photon Lidar for Autonomous Vehicles: Working Principles, Challenges, and Recent Advances. IEEE Signal Processing Magazine, 2020, 37, 62-71.	5.6	66
33	High-speed 3D sensing via hybrid-mode imaging and guided upsampling. Optica, 2020, 7, 1253.	9.3	58
34	Theoretical and experimental analysis of bispectrum of vibration signals for fault diagnosis of gears. Mechanical Systems and Signal Processing, 2014, 43, 76-89.	8.0	57
35	Adaptive multimode signal reconstruction from timeâ€"frequency representations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150205.	3.4	57
36	A dynamic channel assignment algorithm for a hybrid TDMA/CDMA-TDD interface using the novel TS-opposing technique. IEEE Journal on Selected Areas in Communications, 2001, 19, 1831-1846.	14.0	55

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37	A novel wideband dynamic directional indoor channel model based on a Markov process. IEEE Transactions on Wireless Communications, 2005, 4, 1539-1552.	9.2	54
38	Analysis of stochastic gradient identification of Wiener-Hammerstein systems for nonlinearities with Hermite polynomial expansions. IEEE Transactions on Signal Processing, 2001, 49, 1060-1072.	5.3	50
39	Blind equalization of nonminimum phase channels: higher order cumulant based algorithm. IEEE Transactions on Signal Processing, 1993, 41, 681-691.	5.3	47
40	Fast Hyperspectral Unmixing in Presence of Nonlinearity or Mismodeling Effects. IEEE Transactions on Computational Imaging, 2017, 3, 146-159.	4.4	46
41	Long-range depth imaging using a single-photon detector array and non-local data fusion. Scientific Reports, 2019, 9, 8075.	3.3	46
42	Genetic algorithm optimization for blind channel identification with higher order cumulant fitting. IEEE Transactions on Evolutionary Computation, 1997, 1, 259-265.	10.0	45
43	Image computing for fibre-bundle endomicroscopy: A review. Medical Image Analysis, 2020, 62, 101620.	11.6	44
44	Multi-stage blind clustering equaliser. IEEE Transactions on Communications, 1995, 43, 701-705.	7.8	43
45	Robust Linear Spectral Unmixing Using Anomaly Detection. IEEE Transactions on Computational Imaging, 2015, 1, 74-85.	4.4	41
46	A Semianalytical PDF of Downlink SINR for Femtocell Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	37
47	Variable step-size EASI algorithm for sequential blind source separation. Electronics Letters, 2004, 40, 393.	1.0	36
48	A novel timing synchronization method for ACO-OFDM-based optical wireless communications. IEEE Transactions on Wireless Communications, 2008, 7, 4958-4967.	9.2	35
49	Time-Frequency Analysis and Applications [From the Guest Editors]. IEEE Signal Processing Magazine, 2013, 30, 19-150.	5.6	35
50	Restoration of intensity and depth images constructed using sparse single-photon data. , 2016, , .		34
51	MA parameter estimation and cumulant enhancement. IEEE Transactions on Signal Processing, 1996, 44, 1704-1718.	5.3	33
52	Seeing around corners with edge-resolved transient imaging. Nature Communications, 2020, 11, 5929.	12.8	33
53	Improved EMD Using Doubly-Iterative Sifting and High Order Spline Interpolation. Eurasip Journal on Advances in Signal Processing, 2008, 2008, 128293.	1.7	31
54	Assessment of the Cost and Environmental Impact of Residential Demand-Side Management. IEEE Transactions on Industry Applications, 2016, 52, 2486-2495.	4.9	31

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55	Fast Unsupervised Bayesian Image Segmentation With Adaptive Spatial Regularisation. IEEE Transactions on Image Processing, 2017, 26, 2577-2587.	9.8	31
56	Robust Spectral Unmixing of Sparse Multispectral Lidar Waveforms Using Gamma Markov Random Fields. IEEE Transactions on Computational Imaging, 2017, 3, 658-670.	4.4	30
57	Congestion-based routing strategies in multihop TDD-CDMA networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 668-681.	14.0	28
58	Optimization Issues for Cooperative Amplify-and-Forward Systems Over Block-Fading Channels. IEEE Transactions on Vehicular Technology, 2008, 57, 2868-2884.	6.3	28
59	Bayesian Nonlinear Hyperspectral Unmixing With Spatial Residual Component Analysis. IEEE Transactions on Computational Imaging, 2015, 1, 174-185.	4.4	28
60	How to extract Lyapunov exponents from short and noisy time series. IEEE Transactions on Signal Processing, 1997, 45, 1378-1382.	5.3	27
61	Network virtualization and resource description in software-defined wireless networks. , 2015, 53, 110-117.		27
62	Robust Restoration of Sparse Multidimensional Single-Photon LiDAR Images. IEEE Transactions on Computational Imaging, 2020, 6, 138-152.	4.4	27
63	Learning Non-Local Spatial Correlations To Restore Sparse 3D Single-Photon Data. IEEE Transactions on Image Processing, 2020, 29, 3119-3131.	9.8	25
64	Wavelength-time coding for multispectral 3D imaging using single-photon LiDAR. Optics Express, 2018, 26, 30146.	3.4	25
65	Characterization and modelling of inter-core coupling in coherent fiber bundles. Optics Express, 2017, 25, 11932.	3.4	24
66	Robust super-resolution depth imaging via a multi-feature fusion deep network. Optics Express, 2021, 29, 11917.	3.4	24
67	Comparative study of sampling strategies for sparse photon multispectral lidar imaging: towards mosaic filter arrays. Journal of Optics (United Kingdom), 2017, 19, 094006.	2.2	23
68	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.	4.4	22
69	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.	1.1	21
70	The estimation of stable distribution parameters from teletraffic data. IEEE Transactions on Signal Processing, 2000, 48, 865-870.	5.3	20
71	Spectral Unmixing of Multispectral Lidar Signals. IEEE Transactions on Signal Processing, 2015, 63, 5525-5534.	5.3	20
72	Re-examining the nature of radar sea clutter. IET Radar, Sonar & Navigation, 2002, 149, 105.	2.1	19

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73	Low-density parity-check codes over gaussian channels with erasures. IEEE Transactions on Information Theory, 2003, 49, 1801-1809.	2.4	19
74	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.	3.3	19
75	Robust Bayesian target detection algorithm for depth imaging from sparse single-photon data. IEEE Transactions on Computational Imaging, 2016, , 1-1.	4.4	19
76	A Bayesian Approach to Denoising of Single-Photon Binary Images. IEEE Transactions on Computational Imaging, 2017, 3, 460-471.	4.4	19
77	Bayesian 3D Reconstruction of Subsampled Multispectral Single-Photon Lidar Signals. IEEE Transactions on Computational Imaging, 2020, 6, 208-220.	4.4	19
78	Fast Online 3D Reconstruction of Dynamic Scenes From Individual Single-Photon Detection Events. IEEE Transactions on Image Processing, 2020, 29, 2666-2675.	9.8	19
79	Robust OFDM timing synchronisation. Electronics Letters, 2005, 41, 751.	1.0	18
80	The statistical nature of impulse noise interarrival times in digital subscriber loop systems. Signal Processing, 2002, 82, 329-351.	3.7	17
81	Nonlinear unmixing of hyperspectral images using radial basis functions and orthogonal least squares. , 2011, , .		17
82	Generalized Thresholding and Online Sparsity-Aware Learning in a Union of Subspaces. IEEE Transactions on Signal Processing, 2013, 61, 3760-3773.	5.3	17
83	Bayesian Estimation of the Multifractality Parameter for Image Texture Using a Whittle Approximation. IEEE Transactions on Image Processing, 2015, 24, 2540-2551.	9.8	17
84	Automated Detection of Uninformative Frames in Pulmonary Optical Endomicroscopy. IEEE Transactions on Biomedical Engineering, 2017, 64, 87-98.	4.2	17
85	Spectral classification of sparse photon depth images. Optics Express, 2018, 26, 5514.	3.4	17
86	A Derivation of the PDF of Adjacent Channel Interference in a Cellular System. IEEE Communications Letters, 2004, 8, 102-104.	4.1	16
87	Context-Aware Convolutional Neural Networks for Stroke Sign Detection in Non-contrast CT Scans. Communications in Computer and Information Science, 2017, , 494-505.	0.5	16
88	Cumulant-based deconvolutionand identification: several new families of linear equations. Signal Processing, 1993, 30, 199-219.	3.7	15
89	Filtering of chirped ultrasound echo signals with the fractional Fourier transform. , 0, , .		15
90	Capacityâ€“coverage analysis of TDD and FDD mode in UMTS at 1920â€‰MHz. IET Communications, 2002, 149, 51.	1.0	14

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91	Bandwidth efficient single carrier systems with frequency domain equalisation. Electronics Letters, 2005, 41, 857.	1.0	14
92	Sampling from a multivariate Gaussian distribution truncated on a simplex: A review. , 2014, , .		14
93	Observation of laser pulse propagation in optical fibers with a SPAD camera. Scientific Reports, 2017, 7, 43302.	3.3	14
94	The Use of the Fractional Fourier Transform With Coded Excitation in Ultrasound Imaging. IEEE Transactions on Biomedical Engineering, 2006, 53, 754-756.	4.2	13
95	Deconvolution and Restoration of Optical Endomicroscopy Images. IEEE Transactions on Computational Imaging, 2018, 4, 194-205.	4.4	13
96	Range Estimation from Single-Photon Lidar Data Using a Stochastic Em Approach. , 2018, , .		13
97	A Hierarchical Bayesian Approach to Neutron Spectrum Unfolding With Organic Scintillators. IEEE Transactions on Nuclear Science, 2019, 66, 2265-2274.	2.0	13
98	Power allocation for cooperative-based jamming in wireless networks with secrecy constraints. , 2010, , .		12
99	Exploiting Information Geometry to Improve the Convergence Properties of Variational Active Contours. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 700-707.	10.8	12
100	Restoration of multilayered single-photon 3D Lidar images. , 2017, , .		12
101	Fast tracking of hidden objects with singleâ€pixel detectors. Electronics Letters, 2017, 53, 1005-1008.	1.0	12
102	Reduced state methods in nonlinear prediction. Signal Processing, 1996, 48, 37-49.	3.7	11
103	A new method to detect nonlinearity in a time-series: synthesizing surrogate data using a Kolmogorovâ€“Smirnoff tested, hidden Markov model. Physica D: Nonlinear Phenomena, 2001, 155, 51-68.	2.8	11
104	On rate-adaptability of nonbinary LDPC codes. , 2008, , .		11
105	Identifying the dominant prostate cancer focal lesion using image analysis and planning of a simultaneous integrated stereotactic boost. Acta OncolÃ³gica, 2015, 54, 1543-1550.	1.8	11
106	Robust 3D Reconstruction of Dynamic Scenes From Single-Photon Lidar Using Beta-Divergences. IEEE Transactions on Image Processing, 2021, 30, 1716-1727.	9.8	11
107	Speech enhancement based on neural predictive hidden Markov model. Signal Processing, 1998, 65, 373-381.	3.7	10
108	Performance analysis of slotted random access channels for W-CDMA systems in Nakagami fading channels. IEEE Transactions on Vehicular Technology, 2002, 51, 411-424.	6.3	10

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109	Enhanced Empirical Mode Decomposition using a Novel Sifting-Based Interpolation Points Detection. , 2007, , .		10
110	Relay Selection Issues for Amplify-and-Forward Cooperative Systems with Interference. , 2009, , .		10
111	Multi-scale electrical load modelling for demand-side management. , 2012, , .		10
112	Target detection for depth imaging using sparse single-photon data. , 2016, , .		10
113	Lyapunov exponents from a time series: a noise-robust extraction algorithm. Chaos, Solitons and Fractals, 1996, 7, 973-976.	5.1	9
114	Empirical mode decomposition and tissue harmonic imaging. Ultrasound in Medicine and Biology, 2005, 31, 1051-1061.	1.5	9
115	Efficient Range Estimation and Material Quantification from Multispectral Lidar Waveforms. , 2016, , .		9
116	Multifractal Analysis of Multivariate Images Using Gamma Markov Random Field Priors. SIAM Journal on Imaging Sciences, 2018, 11, 1294-1316.	2.2	9
117	A Bayesian Based Deep Unrolling Algorithm for Single-Photon Lidar Systems. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 762-774.	10.8	9
118	Fast blind equalisation based on a bayesian decision feedback equaliser. Electronics Letters, 1993, 29, 891-893.	1.0	8
119	Spatio-temporal correlation properties for the 5.2 GHz indoor propagation environments. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 114-117.	4.0	8
120	Towards multi-mode terminals. IEEE Vehicular Technology Magazine, 2006, 1, 17-24.	3.4	8
121	Implementable wireless access for B3G networks. I. MIMO mimo channel measurement, analysis, and modeling [Topics in Radio Communications]. , 2007, 45, 85-92.		8
122	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.	3.2	8
123	Voltage control of UK residential customers for power reduction. , 2013, , .		8
124	Exploiting Information Geometry to Improve the Convergence of Nonparametric Active Contours. IEEE Transactions on Image Processing, 2015, 24, 836-845.	9.8	8
125	Joint spectral clustering and range estimation for 3D scene reconstruction using multispectral lidar waveforms. , 2016, , .		8
126	INVITED REVIEWâ€"IMAGE REGISTRATION IN VETERINARY RADIATION ONCOLOGY: INDICATIONS, IMPLICATIONS, AND FUTURE ADVANCES. Veterinary Radiology and Ultrasound, 2016, 57, 113-123.	0.9	8

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127	Blind equalisation of multilevel PAM data for nonminimum phase channels via second- and fourth-order cumulants. Signal Processing, 1993, 31, 313-327.	3.7	7
128	Synthesising natural-sounding vowels using a nonlinear dynamical model. Signal Processing, 2001, 81, 1743-1756.	3.7	7
129	Personal area technologies for internetworked services. , 2004, 42, S15-S26.		7
130	Dual antenna cooperative diversity techniques. IET Communications, 2006, 153, 556.	1.0	7
131	The imperatives of eâ€business: case study of a failed project. Journal of Business Strategy, 2009, 30, 40-49.	1.6	7
132	Segmented motion compensation for complementary coded ultrasonic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1039-1050.	3.0	7
133	Multi-scale dynamic modeling to maximize demand side management. , 2011, , .		7
134	Multicomponent signal denoising with synchrosqueezing. , 2012, , .		7
135	Simulating the time-varying harmonics of the residential load sector. , 2014, , .		7
136	SERS as a tool for in vitro toxicology. Faraday Discussions, 2016, 187, 501-520.	3.2	7
137	ReasoNet: Inferring Network Policies Using Ontologies. , 2018, , .		7
138	BER Performance of Spatial Modulation Systems Under a Non-Stationary Massive MIMO Channel Model. IEEE Access, 2020, 8, 44547-44558.	4.2	7
139	Fractional Fourier transform techniques applied to active sonar. , 2003, , .		6
140	The use of ICA in multiplicative noise. Neurocomputing, 2006, 69, 1435-1441.	5.9	6
141	Estimating errors in transmission systems due to impulse noise. IET Communications, 2006, 153, 651.	1.0	6
142	Exploiting Multiple Antennas for Synchronization. IEEE Transactions on Vehicular Technology, 2009, 58, 773-787.	6.3	6
143	Generalized thresholding sparsity-aware algorithm for low complexity online learning. , 2012, , .		6
144	Depth imaging in highly scattering underwater environments using time-correlated single-photon counting. Proceedings of SPIE, 2016, , .	0.8	6

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145	Joint range estimation and spectral classification for 3D scene reconstruction using multispectral Lidar waveforms. , 2016, , .		6
146	Introduction to the Issue on Stochastic Simulation and Optimization in Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 221-223.	10.8	6
147	Fast Adaptive Scene Sampling for Single-Photon 3D Lidar Images. , 2019, , .		6
148	Expectation-Maximization Based Approach to 3D Reconstruction From Single-Waveform Multispectral Lidar Data. IEEE Transactions on Computational Imaging, 2020, 6, 1033-1043.	4.4	6
149	Robust nonparametric bicoherence estimation by stepwise outlier rejection. Electronics Letters, 2000, 36, 368.	1.0	5
150	Error analysis of ultrasonic tissue doppler velocity estimation techniques for quantification of velocity and strain. Ultrasound in Medicine and Biology, 2007, 33, 74-81.	1.5	5
151	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.	4.7	5
152	Identifying radiotherapy target volumes in brain cancer by image analysis. Healthcare Technology Letters, 2015, 2, 123-128.	3.3	5
153	Hyperspectral image analysis using multifractal attributes. , 2015, , .		5
154	Unmixing multitemporal hyperspectral images accounting for endmember variability. , 2015, , .		5
155	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.	4.9	5
156	Multi-class classification of pulmonary endomicroscopic images. , 2018, , .		5
157	Bayesian bacterial detection using irregularly sampled optical endomicroscopy images. Medical Image Analysis, 2019, 57, 18-31.	11.6	5
158	On fast object detection using single-photon lidar data. , 2019, , .		5
159	Fast Task-Based Adaptive Sampling for 3D Single-Photon Multispectral Lidar Data. IEEE Transactions on Computational Imaging, 2022, 8, 174-187.	4.4	5
160	Bit-error probability analysis of compact antenna arrays with maximal-ratio combining in correlated Nakagami fading. , 0, , .		4
161	Channel-adaptive sectored multicarrier packet based systems. Electronics Letters, 2004, 40, 1194.	1.0	4
162	MIMO Cooperative Diversity Strategies for Frequency Selective Fading Relay Channels. , 2006, , .		4

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163	Investigation of the Empirical Mode Decomposition Based on Genetic Algorithm Optimization Schemes. , 2007, , .		4
164	Implementable wireless access for B3G networks. II. MIMO receiver architectures [Topics in Radio Communications]. , 2007, 45, 93-97.		4
165	On the diversity order of non-orthogonal amplify-and-forward over block-fading channels. IEEE Transactions on Wireless Communications, 2010, 9, 1890-1900.	9.2	4
166	Comment on "Relay Selection for Secure Cooperative Networks with Jamming". IEEE Transactions on Wireless Communications, 2012, 11, 2351-2351.	9.2	4
167	Super-resolution Sparse Projected Capacitive Multitouch Sensing. , 2013, , .		4
168	Expectation-propagation for weak radionuclide identification at radiation portal monitors. Scientific Reports, 2020, 10, 6811.	3.3	4
169	ToCo: An Ontology for Representing Hybrid Telecommunication Networks. Lecture Notes in Computer Science, 2019, , 507-522.	1.3	4
170	Sparse Linear Spectral Unmixing of Hyperspectral Images Using Expectation-Propagation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
171	Reconfigurable terminals for mobile communication systems. Electronics and Communication Engineering Journal, 2000, 12, 281-292.	0.5	3
172	Improved surrogate data tests for sea clutter. IET Radar, Sonar & Navigation, 2001, 148, 112.	2.1	3
173	Carrier-frequency estimation for space-diversity reception over selective channels. IET Communications, 2002, 149, 58.	1.0	3
174	Practical algorithm for adaptive subcarrier-hopping multicarrier multiple access transmission. Electronics Letters, 2003, 39, 1544.	1.0	3
175	High survival probability routing in power-aware mobile ad hoc networks. Electronics Letters, 2004, 40, 1424.	1.0	3
176	Channel estimation and interference cancellation in CPâ€“CDMA systems. IET Communications, 2007, 1, 106.	2.2	3
177	Investigation of bat echolocation calls using high resolution spectrogram and instantaneous frequency based analysis. , 2009, , .		3
178	Traffic-aware Routing for Wireless Sensor Networks in Built Environment. , 2010, , .		3
179	Speech Analysis and Synthesis Based on Dynamic Modes. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2566-2578.	3.2	3
180	Unsupervised nonlinear unmixing of hyperspectral images using Gaussian processes. , 2012, , .		3

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181	Analysis of strongly modulated multicomponent signals with the short-time Fourier transform. , 2013, , .		3
182	A Bayesian approach for the joint estimation of the multifractality parameter and integral scale based on the Whittle approximation. , 2015, , .		3
183	Bayesian estimation of the multifractality parameter for images via a closed-form Whittle likelihood. , 2015, , .		3
184	A Bayesian framework for the multifractal analysis of images using data augmentation and a whittle approximation. , 2016, , .		3
185	Robust Unmixing Algorithms for Hyperspectral Imagery. , 2016, , .		3
186	Enhancing the recovery of a temporal sequence of images using joint deconvolution. Scientific Reports, 2018, 8, 5257.	3.3	3
187	A novel algorithm for the identification of dirac impulses from filtered noisy measurements. Signal Processing, 2019, 162, 268-281.	3.7	3
188	End-to-End Energy Efficiency Evaluation for B5G Ultra Dense Networks. , 2020, , .		3
189	Fast Surface Detection Using Single-Photon Detection Events. , 2020, , .		3
190	Texture Descriptors for Classifying Sparse, Irregularly Sampled Optical Endomicroscopy Images. Communications in Computer and Information Science, 2018, , 165-176.	0.5	3
191	Intravascular ultrasound image interpretation. , 1996, , .		2
192	Dynamical system modelling using radial basis functions. , 0, , .		2
193	Calculating error-free seconds in xDSL systems corrupted by impulse noise. IEEE Communications Letters, 2001, 5, 319-321.	4.1	2
194	The implementation and evaluation of a novel wideband dynamic directional indoor channel model based on a markov process. , 0, , .		2
195	Comparison of quadratic phase coupling detectors on sonar data. , 2003, , .		2
196	Stationarity Analysis of Ambient Noise in the Baltic Sea. , 2006, , .		2
197	Capacity Enhancement Using Ad Hoc Pico-Cells and TDD Underlay. , 2006, , .		2
198	MIMO Cooperative Diversity in a Transmit Power Limited Environment. , 2007, , .		2

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199	Thresholding-based online algorithms of complexity comparable to sparse LMS methods. , 2013, , .		2
200	Residual component analysis of hyperspectral images for joint nonlinear unmixing and nonlinearity detection. , 2014, , .		2
201	Robust linear spectral unmixing using outlier detection. , 2015, , .		2
202	Comparing Bayesian models in the absence of ground truth. , 2016, , .		2
203	Robust Markov Random Field outlier detection and removal in subsampled images. , 2016, , .		2
204	Restoration of depth and intensity images using a graph laplacian regularization. , 2017, , .		2
205	Underwater Three-Dimensional Imaging using Single-Photon Detection. , 2017, , .		2
206	Bayesian Activity Estimation and Uncertainty Quantification of Spent Nuclear Fuel Using Passive Gamma Emission Tomography. Journal of Imaging, 2021, 7, 212.	3.0	2
207	Characterising cross-coupling in coherent fibre bundles. , 2019, , .		2
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