

# Qinghua Guo

## List of Publications by Year in descending order

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223  
papers

3,338  
citations

136885

32  
h-index

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48  
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223  
all docs

223  
docs citations

223  
times ranked

2363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Complexity Iterative Detection for Large-Scale Multiuser MIMO-OFDM Systems Using Approximate Message Passing. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 902-915.	7.3	179
2	The OFDM-IDMA approach to wireless communication systems. IEEE Wireless Communications, 2007, 14, 18-24.	6.6	145
3	User Activity Detection and Channel Estimation for Grant-Free Random Access in LEO Satellite-Enabled Internet of Things. IEEE Internet of Things Journal, 2020, 7, 8811-8825.	5.5	81
4	Spectrum Sensing Using Weighted Covariance Matrix in Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 5137-5148.	3.9	80
5	Evolution analysis of low-cost iterative equalization in coded linear systems with cyclic prefixes. IEEE Journal on Selected Areas in Communications, 2008, 26, 301-310.	9.7	73
6	New approach to improve the accuracy of 3-D shape measurement of moving object using phase shifting profilometry. Optics Express, 2013, 21, 30610.	1.7	71
7	LMMSE turbo equalization based on factor graphs. IEEE Journal on Selected Areas in Communications, 2008, 26, 311-319.	9.7	70
8	Block Sparse Bayesian Learning Based Joint User Activity Detection and Channel Estimation for Grant-Free NOMA Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 9631-9640.	3.9	68
9	A Concise Representation for the Soft-in Soft-out LMMSE Detector. IEEE Communications Letters, 2011, 15, 566-568.	2.5	67
10	Iterative Receivers for Downlink MIMO-SCMA: Message Passing and Distributed Cooperative Detection. IEEE Transactions on Wireless Communications, 2018, 17, 3444-3458.	6.1	64
11	Superposition coded modulation and iterative linear MMSE detection. IEEE Journal on Selected Areas in Communications, 2009, 27, 995-1004.	9.7	63
12	Deep Clipping for Impulsive Noise Mitigation in OFDM-Based Power-Line Communications. IEEE Transactions on Power Delivery, 2014, 29, 1335-1343.	2.9	62
13	A low-complexity iterative channel estimation and detection technique for doubly selective channels. IEEE Transactions on Wireless Communications, 2009, 8, 4340-4349.	6.1	59
14	Label enhanced and patch based deep learning for phase retrieval from single frame fringe pattern in fringe projection 3D measurement. Optics Express, 2019, 27, 28929.	1.7	57
15	TOA-Based Passive Localization Constructed Over Factor Graphs: A Unified Framework. IEEE Transactions on Communications, 2019, 67, 6952-6965.	4.9	56
16	Direction-of-Arrival Estimation in the Presence of Unknown Nonuniform Noise Fields. IEEE Journal of Oceanic Engineering, 2006, 31, 504-510.	2.1	53
17	DNN-Aided Block Sparse Bayesian Learning for User Activity Detection and Channel Estimation in Grant-Free Non-Orthogonal Random Access. IEEE Transactions on Vehicular Technology, 2019, 68, 12000-12012.	3.9	53
18	Iterative Detection for Orthogonal Time Frequency Space Modulation With Unitary Approximate Message Passing. IEEE Transactions on Wireless Communications, 2022, 21, 714-725.	6.1	53

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19	A Frequency Domain State-Space Approach to LS Estimation and Its Application in Turbo Equalization. IEEE Transactions on Signal Processing, 2011, 59, 3288-3300.	3.2	49
20	Iterative Joint Channel Estimation, User Activity Tracking, and Data Detection for FTN-NOMA Systems Supporting Random Access. IEEE Transactions on Communications, 2020, 68, 2963-2977.	4.9	49
21	Joint Channel Estimation and Signal Recovery for RIS-Empowered Multiuser Communications. IEEE Transactions on Communications, 2022, 70, 4640-4655.	4.9	49
22	Energy Efficiency of Massive MIMO Systems With Low-Resolution ADCs and Successive Interference Cancellation. IEEE Transactions on Wireless Communications, 2019, 18, 3987-4002.	6.1	44
23	Accurate projector calibration based on a new point-to-point mapping relationship between the camera and projector images. Applied Optics, 2015, 54, 347.	0.9	42
24	Cooperative Spectrum Sensing: A Blind and Soft Fusion Detector. IEEE Transactions on Wireless Communications, 2018, 17, 2726-2737.	6.1	41
25	Analysis and design of OFDM&#x2013;DMA systems. European Transactions on Telecommunications, 2008, 19, 561-569.	1.2	40
26	Weak Micro-Scratch Detection Based on Deep Convolutional Neural Network. IEEE Access, 2019, 7, 27547-27554.	2.6	39
27	Iterative Frequency Domain Equalization With Generalized Approximate Message Passing. IEEE Signal Processing Letters, 2013, 20, 559-562.	2.1	38
28	Message-Passing Receiver for Joint Channel Estimation and Decoding in 3D Massive MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 8122-8138.	6.1	38
29	A Hybrid BP-EP-VMP Approach to Joint Channel Estimation and Decoding for FTN Signaling over Frequency Selective Fading Channels. IEEE Access, 2017, 5, 6849-6858.	2.6	36
30	Improving the accuracy performance of phase-shifting profilometry for the measurement of objects in motion. Optics Letters, 2014, 39, 6715.	1.7	35
31	Detection of Micro-Defects on Metal Screw Surfaces Based on Deep Convolutional Neural Networks. Sensors, 2018, 18, 3709.	2.1	35
32	Message Passing-Based Structured Sparse Signal Recovery for Estimation of OTFS Channels With Fractional Doppler Shifts. IEEE Transactions on Wireless Communications, 2021, 20, 7773-7785.	6.1	34
33	Structured-Light Based 3D Reconstruction System for Cultural Relic Packaging. Sensors, 2018, 18, 2981.	2.1	30
34	Approximate Message Passing With Unitary Transformation for Robust Bilinear Recovery. IEEE Transactions on Signal Processing, 2021, 69, 617-630.	3.2	29
35	Shadow removal method for phase-shifting profilometry. Applied Optics, 2015, 54, 6059.	2.1	27
36	Simultaneous measurement of vibration and parameters of a semiconductor laser using self-mixing interferometry. Applied Optics, 2014, 53, 4256.	0.9	26

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37	Linear Combining of Nonlinear Preprocessors for OFDM-Based Power-Line Communications. IEEE Transactions on Smart Grid, 2016, 7, 253-260.	6.2	26
38	Laser Self-Mixing Fiber Bragg Grating Sensor for Acoustic Emission Measurement. Sensors, 2018, 18, 1956.	2.1	26
39	Pattern synthesis method for arbitrary arrays based on LCMV criterion. Electronics Letters, 2003, 39, 1628.	0.5	24
40	EM-Based Joint Channel Estimation and Detection for Frequency Selective Channels Using Gaussian Message Passing. IEEE Transactions on Signal Processing, 2011, 59, 4030-4035.	3.2	24
41	Phase unwrapping method based on multiple fringe patterns without use of equivalent wavelengths. Optics Communications, 2015, 355, 213-224.	1.0	24
42	A Multi-View Stereo Measurement System Based on a Laser Scanner for Fine Workpieces. Sensors, 2019, 19, 381.	2.1	24
43	Unitary Approximate Message Passing for Sparse Bayesian Learning. IEEE Transactions on Signal Processing, 2021, 69, 6023-6039.	3.2	22
44	Orthogonal Polynomial-Based Nonlinearity Modeling and Mitigation for LED Communications. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	21
45	Low complexity sparse Bayesian learning using combined belief propagation and mean field with a stretched factor graph. Signal Processing, 2017, 131, 344-349.	2.1	21
46	Linear shrinkage estimation of covariance matrices using low-complexity cross-validation. Signal Processing, 2018, 148, 223-233.	2.1	21
47	Efficient Direct Target Localization for Distributed MIMO Radar With Expectation Propagation and Belief Propagation. IEEE Transactions on Signal Processing, 2021, 69, 4055-4068.	3.2	21
48	On the Performance of Blanking Nonlinearity in Real-Valued OFDM-Based PLC. IEEE Transactions on Smart Grid, 2018, 9, 449-457.	6.2	20
49	An Auxiliary Variable-Aided Hybrid Message Passing Approach to Joint Channel Estimation and Decoding for MIMO-OFDM. IEEE Signal Processing Letters, 2017, 24, 12-16.	2.1	19
50	Measuring Linewidth Enhancement Factor by Relaxation Oscillation Frequency in a Laser with Optical Feedback. Sensors, 2018, 18, 4004.	2.1	19
51	Message Passing Based Robust Target Localization in Distributed MIMO Radars in the Presence of Outliers. IEEE Signal Processing Letters, 2020, 27, 2168-2172.	2.1	19
52	Dynamic stability analysis for a self-mixing interferometry system. Optics Express, 2014, 22, 29260.	1.7	18
53	Improved geometrical model of fringe projection profilometry. Optics Express, 2014, 22, 32220.	1.7	18
54	High sensitive sensing by a laser diode with dual optical feedback operating at period-one oscillation. Applied Physics Letters, 2019, 115, .	1.5	18

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55	On Spectrum Sensing of OFDM Signals at Low SNR: New Detectors and Asymptotic Performance. IEEE Transactions on Signal Processing, 2017, 65, 3218-3233.	3.2	17
56	Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. IEEE Transactions on Vehicular Technology, 2020, 69, 8643-8656.	3.9	17
57	Throughput Analysis of Opportunistic Feedback for Downlink Multiuser Diversity with Capture Effect. IEEE Communications Letters, 2012, 16, 44-46.	2.5	16
58	A Fiber-Coupled Self-Mixing Laser Diode for the Measurement of Young's Modulus. Sensors, 2016, 16, 928.	2.1	16
59	Shrinkage of Covariance Matrices for Linear Signal Estimation Using Cross-Validation. IEEE Transactions on Signal Processing, 2016, 64, 2965-2975.	3.2	16
60	Energy Efficiency of Uplink Massive MIMO Systems With Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 668-671.	2.5	16
61	Displacement sensing using the relaxation oscillation frequency of a laser diode with optical feedback. Applied Optics, 2017, 56, 6962.	0.9	16
62	Multichannel Selection for Cognitive Radio Networks With RF Energy Harvesting. IEEE Wireless Communications Letters, 2018, 7, 178-181.	3.2	16
63	Modeling for optical feedback laser diode operating in period-one oscillation and its application. Optics Express, 2019, 27, 4090.	1.7	16
64	Performance Analysis of OFDM-IDMA Systems with Peak-Power Limitation. , 2008, , .		15
65	Three-dimensional measurement of object surfaces with complex shape and color distribution based on projection of color fringe patterns. Applied Optics, 2013, 52, 7360.	2.1	15
66	Spectrum sensing based on goodness of fit test with unilateral alternative hypothesis. Electronics Letters, 2014, 50, 1645-1646.	0.5	15
67	Low-complexity approximate iterative LMMSE detection for large-scale MIMO systems. , 2017, 60, 134-139.		15
68	Matrix Completion-Based Channel Estimation for MmWave Communication Systems With Array-Inherent Impairments. IEEE Access, 2018, 6, 62915-62931.	2.6	15
69	Joint Message-Passing-Based Bidirectional Channel Estimation and Equalization With Superimposed Training for Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2021, 46, 1463-1476.	2.1	15
70	Expectation propagation approach to joint channel estimation and decoding for OFDM systems. , 2014, , .		14
71	Hollow waveguide-enhanced mid-infrared sensor for fast and sensitive ethylene detection. Sensor Review, 2017, 37, 82-87.	1.0	14
72	Blind adaptive multi-user detection for under-ice acoustic communications with mobile interfering users. Journal of the Acoustical Society of America, 2017, 141, EL70-EL75.	0.5	14

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73	Period-One Microwave Photonic Sensing by a Laser Diode With Optical Feedback. Journal of Lightwave Technology, 2020, 38, 5423-5429.	2.7	14
74	Improving Measurement Sensitivity for a Displacement Sensor Based on Self-Mixing Effect. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	13
75	Pattern Coupled Sparse Bayesian Learning Based on UTAMP for Robust High Resolution ISAR Imaging. IEEE Sensors Journal, 2020, 20, 13734-13742.	2.4	13
76	Low-Complexity Iterative Detection in Multi-User MIMO ISI Channels. IEEE Signal Processing Letters, 2008, 15, 25-28.	2.1	12
77	Spectrum Sensing Based on Combined Eigenvalue and Eigenvector Through Blind Learning. IEEE Communications Letters, 2018, 22, 1636-1639.	2.5	12
78	Spectrum Sensing Using Multiple Large Eigenvalues and Its Performance Analysis. IEEE Internet of Things Journal, 2019, 6, 776-789.	5.5	12
79	Extreme learning machine-based receiver for MIMO LED communications. , 2019, 95, 102594.		12
80	A New Algorithm for Displacement Measurement Using Self-Mixing Interferometry With Modulated Injection Current. IEEE Access, 2020, 8, 123253-123261.	2.6	12
81	On the Performance of Massive MIMO Systems With Low-Resolution ADCs and MRC Receivers Over Rician Fading Channels. IEEE Systems Journal, 2021, 15, 4514-4524.	2.9	12
82	MIMO-OFDM Channel Estimation in the Presence of Carrier Frequency Offset. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	11
83	Single- and multi-carrier IDMA schemes with cyclic prefixing and zero padding techniques. European Transactions on Telecommunications, 2008, 19, 537-547.	1.2	11
84	Simple method for measuring the linewidth enhancement factor of semiconductor lasers. Applied Optics, 2015, 54, 10295.	2.1	11
85	Fringe Pattern Analysis With Message Passing Based Expectation Maximization for Fringe Projection Profilometry. IEEE Access, 2016, 4, 4310-4320.	2.6	11
86	On Covariance Matrix Based Spectrum Sensing Over Frequency-Selective Channels. IEEE Access, 2018, 6, 29532-29540.	2.6	11
87	Robust Entangled-Photon Ghost Imaging with Compressive Sensing. Sensors, 2019, 19, 192.	2.1	11
88	Effective Energy Detection for IoT Systems Against Noise Uncertainty at Low SNR. IEEE Internet of Things Journal, 2019, 6, 6165-6176.	5.5	11
89	Three-Dimensional Reconstruction of Dilute Bubbly Flow Field With Light-Field Images Based on Deep Learning Method. IEEE Sensors Journal, 2021, 21, 13417-13429.	2.4	11
90	Expectation propagation based iterative group wise detection for large-scale multiuser MIMO-OFDM systems. , 2014, , .		10

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91	Energy Detection of DVB-T Signals Against Noise Uncertainty. IEEE Communications Letters, 2014, 18, 1831-1834.	2.5	10
92	Improved method for estimation of multiple parameters in self-mixing interferometry. Applied Optics, 2015, 54, 2703.	0.9	10
93	Energy Detection With Random Arrival and Departure of Primary Signals: New Detector and Performance Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 10092-10101.	3.9	10
94	Sparse Bayesian Learning Based on Approximate Message Passing with Unitary Transformation. , 2019, , .		10
95	Antieigenvalue-Based Spectrum Sensing for Cognitive Radio. IEEE Wireless Communications Letters, 2019, 8, 544-547.	3.2	10
96	Fringe Order Correction for Fringe Projection Profilometry Based on Robust Principal Component Analysis. IEEE Access, 2021, 9, 23110-23119.	2.6	10
97	Full-view three-dimensional measurement of complex surfaces. Optical Engineering, 2018, 57, 1.	0.5	10
98	Application of deep learning in quantitative analysis of the infrared spectrum of logging gas. Applied Optics, 2020, 59, E9.	0.9	10
99	Fairness and capacity analysis of opportunistic feedback protocol with proportional fair or maximum throughput scheduling. , 2012, , .		9
100	3D shape measurement based on projection of triangular patterns of two selected frequencies. Optics Express, 2014, 22, 29234.	1.7	9
101	A low complexity iterative soft-decision feedback MMSE-PIC detection algorithm for massive MIMO. , 2015, , .		9
102	Features of a Self-Mixing Laser Diode Operating Near Relaxation Oscillation. Sensors, 2016, 16, 1546.	2.1	9
103	Unsupervised Image Registration for Video SAR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1075-1083.	2.3	9
104	Multi-Block UAMP-Based Detection for OTFS With Rectangular Waveform. IEEE Wireless Communications Letters, 2022, 11, 323-327.	3.2	9
105	Joint peak amplitude and impulsive noise clippings in OFDM-based power line communications. , 2013, , .		8
106	Robust channel estimation for switch-based mmWave MIMO systems. , 2017, , .		8
107	Simultaneous Estimation of Primary and Cross-Channel Gains for Underlay Cognitive Radios. IEEE Access, 2018, 6, 29190-29199.	2.6	8
108	Low complexity DOA estimation using AMP with unitary transformation and iterative refinement. , 2020, 106, 102800.		8

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109	Massive MIMO as an Extreme Learning Machine. IEEE Transactions on Vehicular Technology, 2021, 70, 1046-1050.	3.9	8
110	Multi-User Detection Techniques for Potential 3GPP Long Term Evolution (LTE) Schemes. , 2007, , 77-86.		7
111	GMP-Based Channel Estimation for Single-Carrier Transmissions over Doubly Selective Channels. IEEE Signal Processing Letters, 2010, 17, 8-11.	2.1	7
112	New approach to improve the performance of fringe pattern profilometry using multiple triangular patterns for the measurement of objects in motion. Optical Engineering, 2014, 53, 112211.	0.5	7
113	Blind Cooperative Parametric Spectrum Sensing With Distributed Sensors Using Local Average Power Passing. IEEE Transactions on Vehicular Technology, 2016, 65, 9703-9714.	3.9	7
114	Cooperative Spectrum Sensing Under Ambient Malicious Interferences. IEEE Communications Letters, 2018, 22, 432-435.	2.5	7
115	Compressive sensing-based wind speed estimation for low-altitude wind-shear with airborne phased array radar. Multidimensional Systems and Signal Processing, 2018, 29, 719-732.	1.7	7
116	3D shape measurement of moving object with FFT-based spatial matching. Optics and Laser Technology, 2018, 100, 325-331.	2.2	7
117	The Study for Public Management Policy Utility Evaluation and Optimization System under the Framework of Social Computing Perspective. IEEE Intelligent Systems, 2020, , 1-1.	4.0	7
118	A Factor Graph Approach to Exploiting Cyclic Prefix for Equalization in OFDM Systems. IEEE Transactions on Communications, 2013, 61, 4972-4983.	4.9	6
119	Removing the impulsive noise contained in a self-mixing interferometry system using outlier detection. Optical Engineering, 2014, 53, 124108.	0.5	6
120	Soft-In Soft-Out Detection Using Partial Gaussian Approximation. IEEE Access, 2014, 2, 427-436.	2.6	6
121	Modeling of Correlated Complex Sea Clutter Using Unsupervised Phase Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 228-239.	2.7	6
122	A Low-Complexity Three-Stage Estimator for Low-Rank mmWave Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 5920-5931.	3.9	6
123	Turbo Equalization Based on a Combined VMP-BP Algorithm for Nonlinear Satellite Channels. IEEE Access, 2018, 6, 35492-35500.	2.6	6
124	Condition Number-Constrained Matrix Approximation With Applications to Signal Estimation in Communication Systems. IEEE Signal Processing Letters, 2014, 21, 990-993.	2.1	5
125	The effect of the coordination number on particle crushing. , 2014, , 1063-1068.		5
126	Impulsive noise detection in PLC with smoothed L0-norm. , 2015, , .		5



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127	A BP $\hat{\epsilon}$ MF $\hat{\epsilon}$ EP Based Iterative Receiver for Joint Phase Noise Estimation, Equalization, and Decoding. IEEE Signal Processing Letters, 2016, 23, 1349-1353.	2.1	5
128	Energy Detection Under Interference Power Uncertainty. IEEE Communications Letters, 2017, 21, 1887-1890.	2.5	5
129	Combined Message Passing Based SBL With Dirichlet Process Prior for Sparse Signal Recovery With Multiple Measurement Vectors. IEEE Access, 2018, 6, 13181-13190.	2.6	5
130	Reduced-complexity Krylov subspace methods for large-scale MIMO channel estimation. , 2018, 78, 332-337.		5
131	Fast 3D reconstruction of dental cast model based on structured light. Optoelectronics Letters, 2018, 14, 457-460.	0.4	5
132	Iterative Nonlinearity Mitigation and Decoding for LED Communications. IEEE Photonics Technology Letters, 2018, 30, 1731-1734.	1.3	5
133	FTN Signaling-Aided Space-Time Multi-Mode Index Modulation Systems With a GMP-Based Receiver. IEEE Access, 2019, 7, 162898-162912.	2.6	5
134	Message Passing Based Target Localization Under Range Deception Jamming in Distributed MIMO Radar. IEEE Signal Processing Letters, 2021, 28, 1858-1862.	2.1	5
135	Achieving Long Distance Sensing Using Semiconductor Laser with Optical Feedback by Operating at Switching Status. Sensors, 2022, 22, 963.	2.1	5
136	A Low-Complexity Iterative Channel Estimation and Detection Technique for Doubly Selective Channels. , 2008, , .		4
137	Eliminating influence of transient oscillations on a self-mixing interferometry. Optical Engineering, 2016, 55, 104102.	0.5	4
138	Low $\hat{\epsilon}$ complexity cross $\hat{\epsilon}$ validation design of a linear estimator. Electronics Letters, 2017, 53, 1252-1254.	0.5	4
139	Kalman Filter-Based Chip Differential Blind Adaptive Multiuser Detection for Variably Mobile Asynchronous Underwater Multiuser Communications. IEEE Access, 2018, 6, 49646-49653.	2.6	4
140	Fault Diagnosis of Reciprocating Compressor Using Component Estimating Empirical Mode Decomposition and De-Dimension Template With Double-Loop Correction Algorithm. IEEE Access, 2019, 7, 90630-90639.	2.6	4
141	Channel Covariance Matrix Estimation via Dimension Reduction for Hybrid MIMO MmWave Communication Systems. Sensors, 2019, 19, 3368.	2.1	4
142	Dual-Frequency Doppler LiDAR Based on External Optical Feedback Effect in a Laser. Sensors, 2020, 20, 6303.	2.1	4
143	Extreme-Learning-Machine-Based Noniterative and Iterative Nonlinearity Mitigation for LED Communication Systems. IEEE Systems Journal, 2020, 14, 4674-4683.	2.9	4
144	Marginal Likelihood Maximization Based Fast Array Manifold Matrix Learning for Direction of Arrival Estimation. IEEE Transactions on Signal Processing, 2021, 69, 5512-5522.	3.2	4

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145	A soft-in soft-out detection approach using partial Gaussian approximation. , 2012, , .		3
146	Low Complexity Optimal Soft-Input Soft-Output Demodulation of MSK Based on Factor Graph. IEEE Communications Letters, 2014, 18, 1139-1142.	2.5	3
147	Young's modulus measurement using fibre-coupled self-mixing laser diode. , 2016, , .		3
148	Frequency Domain Equalization and Post Distortion for LED Communications With Orthogonal Polynomial Based Joint LED Nonlinearity and Channel Estimation. IEEE Photonics Journal, 2018, 10, 1-11.	1.0	3
149	DNN-Aided Message Passing Based Block Sparse Bayesian Learning for Joint User Activity Detection and Channel Estimation. , 2019, , .		3
150	Adaptive Extreme Learning Machine-Based Nonlinearity Mitigation For LED Communications. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	1.9	3
151	Evolution Analysis of Iterative LMMSE-APP Detection for Coded Linear System with Cyclic Prefixes. , 2007, , .		2
152	Performance analysis of multi-ary systems with iterative linear minimum-mean-square-error detection. , 2008, , .		2
153	A low cost soft mapper for turbo equalization with high order modulation. , 2012, , .		2
154	Exploiting Cyclic Prefix in Turbo FDE Systems Using Factor Graph. , 2013, , .		2
155	Choosing the diagonal loading factor for linear signal estimation using cross validation. , 2016, , .		2
156	Low Complexity Message Passing-Based Receiver Design for Wiener Phase-Noise Channels. IEEE Communications Letters, 2016, , 1-1.	2.5	2
157	Turbo Equalization Using Partial Gaussian Approximation. IEEE Signal Processing Letters, 2016, 23, 1216-1220.	2.1	2
158	Joint sparse channel estimation and decoding for orthogonal frequency division multiplexing using combined message passing. IET Communications, 2018, 12, 2022-2029.	1.5	2
159	Gaussian Message Passing Based Passive Localization in the Presence of Receiver Detection Failures. , 2018, , .		2
160	Throughput Maximization for Cognitive Radio With Wirelessly Powered Primary Users. IEEE Systems Journal, 2020, 14, 2432-2442.	2.9	2
161	3D shape measurement of shiny surfaces based on optimized combination of fringe patterns of different intensity. Measurement Science and Technology, 2021, 32, 035203.	1.4	2
162	Microwave Photonic Sensing for High Performance Displacement Measurement Based on Period-One Dynamics in a Laser. Journal of Lightwave Technology, 2022, 40, 6737-6744.	2.7	2

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163	A Triangulation-Based Method for Complex Mold Parts Surface Wear Assessment. IEEE Sensors Journal, 2022, 22, 15306-15315.	2.4	2
164	A Relaxed Energy Function Based Analog Neural Network Approach to Target Localization in Distributed MIMO Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 11160-11173.	3.9	2
165	MIMO-OFDM channel estimation in the presence of carrier frequency-offset. , 2004, , .		1
166	Impact of Signaling Schemes on Iterative Linear Minimum-Mean-Square-Error Detection. , 2008, , .		1
167	A Simplified User Identification Approach for Multi-User Diversity with Enhanced Throughput. , 2011, , .		1
168	A multiple wavelength unwrapping algorithm for digital fringe profilometry based on spatial shift estimation. , 2014, , .		1
169	Digital fringe profilometry based on triangular fringe patterns and spatial shift estimation. Proceedings of SPIE, 2014, , .	0.8	1
170	Spatial shift unwrapping for digital fringe profilometry based on spatial shift estimation. Journal of Electronic Imaging, 2014, 23, 043002.	0.5	1
171	Regularized successive interference cancellation (SIC) under mismatched modeling. , 2014, , .		1
172	Stability Limit of a Semiconductor Laser With Optical Feedback. IEEE Journal of Quantum Electronics, 2015, 51, 1-9.	1.0	1
173	Signal estimation-oriented reduced-rank channel estimation for MIMO communications. , 2015, , .		1
174	Multiple-rate codes from block Markov superposition transmission of first-order Reed-Muller and extended Hamming codes. Electronics Letters, 2016, 52, 1531-1533.	0.5	1
175	Regularised equalisation for OFDM systems with BEM-based channel estimation. , 2017, , .		1
176	Doped expectation propagation for low-complexity message passing based detection. Electronics Letters, 2017, 53, 403-405.	0.5	1
177	Lp-norm-residual constrained regularization model for estimation of particle size distribution in dynamic light scattering. Applied Optics, 2017, 56, 5360.	2.1	1
178	A Self-Mixing Laser Diode for Micro-Displacement Measurement. , 2018, , .		1
179	Regularized Lattice Reduction-Aided Ordered Successive Interference Cancellation for MIMO Detection. , 2018, , .		1
180	Assessment of Fringe Pattern Decomposition with a Cross-Correlation Index for Phase Retrieval in Fringe Projection 3D Measurements. Sensors, 2018, 18, 3578.	2.1	1

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181	A low complexity OFDM receiver with combined GAMP and MF message passing. Telecommunication Systems, 2019, 71, 425-432.	1.6	1
182	Frequency-Domain Turbo Equalization with Iterative Impulsive Noise Mitigation for Single-Carrier Power-Line Communications. Lecture Notes in Electrical Engineering, 2016, , 891-902.	0.3	1
183	Effect of windowing on a sensing signal generated by self-mixing interferometry. , 2019, , .		1
184	A new method for fringe order error correction in fringe projection profilometry. , 2019, , .		1
185	Bidirectional Approximate Message Passing for RIS-Assisted Multi-User MISO Communications. , 2021, , .		1
186	Achieving high sensing resolution using a Microwave Photonic Signal generated by a laser diode with a control cavity. Optics and Lasers in Engineering, 2022, 158, 107171.	2.0	1
187	Turbo equalization based on factor graphs. , 2005, , .		0
188	Recursive Channel Estimation for Turbo Equalization Based on a State-Space System Model. , 2010, , .		0
189	Multiuser Diversity with Capture in OFDMA systems with clustered feedback. , 2012, , .		0
190	User Identification for Opportunistic OFDM-Based Multiuser Wireless Communications. IEEE Transactions on Vehicular Technology, 2012, 61, 1673-1684.	3.9	0
191	Enhanced data detection in OFDM systems using factor graph. , 2013, , .		0
192	Effects of base matrices on iterative decoding performance of irregular QC-LDPC codes. , 2013, , .		0
193	A hybrid iterative MIMO detection algorithm: Partial Gaussian approach with integer programming. , 2014, , .		0
194	FPGA based design for real-time measurement of alpha. , 2014, , .		0
195	Exploiting cyclic prefix for joint detection, decoding and channel estimation in OFDM via EM algorithm and message passing. , 2014, , .		0
196	Improved opportunistic feedback with multiuser diversity for wireless systems with finite queue. IET Communications, 2014, 8, 852-859.	1.5	0
197	Experimental study for the influence of surface characteristics on the fringe patterns. , 2014, , .		0
198	Low-complexity iterative Doppler spread and channel estimation over Rayleigh fading channels. , 2015, , .		0

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