Jiangtao Xi

List of Publications by Year
in descending order

292 papers	3,413 citations	147801 31 h-index	233421 45 g-index
292 all docs	292 docs citations	292 times ranked	2406 citing authors

#	Article	IF	Citations
1	Improving the measurement performance for a self-mixing interferometry-based displacement sensing system. Applied Optics, 2011, 50, 5064.	2.1	109
2	Wearable Electronic Textiles from Nanostructured Piezoelectric Fibers. Advanced Materials Technologies, 2020, 5, 1900900.	5.8	107
3	Piezofibers to smart textiles: a review on recent advances and future outlook for wearable technology. Journal of Materials Chemistry A, 2020, 8, 9496-9522.	10.3	102
4	Carbon Nanotube Based Fiber Supercapacitor as Wearable Energy Storage. Frontiers in Materials, 2019, 6, .	2.4	86
5	Recovering the absolute phase maps of two fringe patterns with selected frequencies. Optics Letters, 2011, 36, 2518.	3.3	83
6	Spectrum Sensing Using Weighted Covariance Matrix in Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 5137-5148.	6.3	80
7	Multi-frequency and multiple phase-shift sinusoidal fringe projection for 3D profilometry. Optics Express, 2005, 13, 1561.	3.4	73
8	New approach to improve the accuracy of 3-D shape measurement of moving object using phase shifting profilometry. Optics Express, 2013, 21, 30610.	3.4	71
9	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.	6.3	68
10	A new algorithm for improving the accuracy of periodic signal analysis. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 827-831.	4.7	64
11	Estimating the parameters of semiconductor lasers based on weak optical feedback self-mixing interferometry. IEEE Journal of Quantum Electronics, 2005, 41, 1058-1064.	1.9	62
12	Measuring the feedback parameter of a semiconductor laser with external optical feedback. Optics Express, 2011, 19, 9582.	3.4	55
13	Optical Feedback Self-Mixing Interferometry With a Large Feedback Factor C: Behavior Studies. IEEE Journal of Quantum Electronics, 2009, 45, 840-848.	1.9	54
14	Frequency selection in absolute phase maps recovery with two frequency projection fringes. Optics Express, 2012, 20, 13238.	3.4	50
15	Quality-guided spatial phase unwrapping algorithm for fast three-dimensional measurement. Optics Communications, 2013, 294, 139-147.	2.1	46
16	Motion induced error reduction methods for phase shifting profilometry: A review. Optics and Lasers in Engineering, 2021, 141, 106573.	3.8	45
17	Energy Efficiency of Massive MIMO Systems With Low-Resolution ADCs and Successive Interference Cancellation. IEEE Transactions on Wireless Communications, 2019, 18, 3987-4002.	9.2	44
18	Three-dimensional profilometry based on shift estimation of projected fringe patterns. Applied Optics, 2006, 45, 678.	2.1	43

#	Article	IF	Citations
19	Toward Automatic Measurement of the Linewidth-Enhancement Factor Using Optical Feedback Self-Mixing Interferometry With Weak Optical Feedback. IEEE Journal of Quantum Electronics, 2007, 43, 527-534.	1.9	42
20	Accurate projector calibration based on a new point-to-point mapping relationship between the camera and projector images. Applied Optics, 2015, 54, 347.	1.8	42
21	Optical phase shifting with acousto-optic devices. Optics Letters, 2005, 30, 189.	3.3	41
22	A new phase unwrapping algorithm based on Three Wavelength Phase Shift Profilometry method. Optics and Laser Technology, 2013, 45, 319-329.	4.6	40
23	Automated approach for the surface profile measurement of moving objects based on PSP. Optics Express, 2017, 25, 32120.	3.4	40
24	Blind color isolation for color-channel-based fringe pattern profilometry using digital projection. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2372.	1.5	39
25	Weak Micro-Scratch Detection Based on Deep Convolutional Neural Network. IEEE Access, 2019, 7, 27547-27554.	4.2	39
26	Iterative Frequency Domain Equalization With Generalized Approximate Message Passing. IEEE Signal Processing Letters, 2013, 20, 559-562.	3.6	38
27	Defect Detection for Patterned Fabric Images Based on GHOG and Low-Rank Decomposition. IEEE Access, 2019, 7, 83962-83973.	4.2	38
28	Improving the accuracy performance of phase-shifting profilometry for the measurement of objects in motion. Optics Letters, 2014, 39, 6715.	3.3	35
29	Application of global phase filtering method in multi frequency measurement. Optics Express, 2014, 22, 13641.	3.4	34
30	Absolute phase recovery of three fringe patterns with selected spatial frequencies. Optics and Lasers in Engineering, 2015, 70, 18-25.	3.8	33
31	Influence of external optical feedback on the alpha factor of semiconductor lasers. Optics Letters, 2013, 38, 1781.	3.3	32
32	Inverse Function Analysis Method for Fringe Pattern Profilometry. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3305-3314.	4.7	27
33	Shadow removal method for phase-shifting profilometry. Applied Optics, 2015, 54, 6059.	2.1	27
34	Evaluation of the physical properties of dental resin composites using optical fiber sensing technology. Dental Materials, 2016, 32, 1113-1123.	3.5	27
35	Simultaneous measurement of vibration and parameters of a semiconductor laser using self-mixing interferometry. Applied Optics, 2014, 53, 4256.	1.8	26
36	Laser Self-Mixing Fiber Bragg Grating Sensor for Acoustic Emission Measurement. Sensors, 2018, 18, 1956.	3.8	26

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37	Electrically Conducting Hydrogel Graphene Nanocomposite Biofibers for Biomedical Applications. Frontiers in Chemistry, 2020, 8, 88.	3.6	26
38	Computing running DCTs and DSTs based on their second-order shift properties. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 779-783.	0.1	25
39	Multi-point laser Doppler velocimeter. Optics Communications, 2005, 245, 309-313.	2.1	25
40	Phase unwrapping method based on multiple fringe patterns without use of equivalent wavelengths. Optics Communications, 2015, 355, 213-224.	2.1	24
41	High dynamic range imaging for fringe projection profilometry with single-shot raw data of the color camera. Optics and Lasers in Engineering, 2017, 89, 138-144.	3.8	24
42	Blind Source Separation Based on Time-Domain Optimization of a Frequency-Domain Independence Criterion. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 2075-2085.	3.2	23
43	Encoding and communicating navigable speech soundfields. Multimedia Tools and Applications, 2016, 75, 5183-5204.	3.9	22
44	Blind source separation for convolutive mixtures based on the joint diagonalization of power spectral density matrices. Signal Processing, 2008, 88, 1990-2007.	3.7	21
45	Collaborative Blind Source Separation Using Location Informed Spatial Microphones. IEEE Signal Processing Letters, 2013, 20, 83-86.	3.6	21
46	Absolute phase map recovery of two fringe patterns with flexible selection of fringe wavelengths. Applied Optics, 2014, 53, 1794.	1.8	21
47	Orthogonal Polynomial-Based Nonlinearity Modeling and Mitigation for LED Communications. IEEE Photonics Journal, 2016, 8, 1-12.	2.0	21
48	Linear shrinkage estimation of covariance matrices using low-complexity cross-validation. Signal Processing, 2018, 148, 223-233.	3.7	21
49	Reconstruction of isolated moving objects with high 3D frame rate based on phase shifting profilometry. Optics Communications, 2019, 438, 61-66.	2.1	21
50	Cold Crack Monitoring and Localization in Welding Using Fiber Bragg Grating Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9228-9236.	4.7	21
51	Neural network digital fringe calibration technique for structured light profilometers. Applied Optics, 2007, 46, 1233.	2.1	20
52	Study on Generalized Analysis Model for Fringe Pattern Profilometry. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 160-167.	4.7	20
53	Encoding Navigable Speech Sources: A Psychoacoustic-Based Analysis-by-Synthesis Approach. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 29-38.	3.2	19
54	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.	3.6	19

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55	Measuring Linewidth Enhancement Factor by Relaxation Oscillation Frequency in a Laser with Optical Feedback. Sensors, 2018, 18, 4004.	3.8	19
56	Polymerisation Shrinkage Profiling of Dental Composites using Optical Fibre Sensing and their Correlation with Degree of Conversion and Curing Rate. Scientific Reports, 2019, 9, 3162.	3.3	19
57	Multisource DOA estimation based on time-frequency sparsity and joint inter-sensor data ratio with single acoustic vector sensor. , 2013, , .		18
58	Dynamic stability analysis for a self-mixing interferometry system. Optics Express, 2014, 22, 29260.	3.4	18
59	Improved geometrical model of fringe projection profilometry. Optics Express, 2014, 22, 32220.	3.4	18
60	High sensitive sensing by a laser diode with dual optical feedback operating at period-one oscillation. Applied Physics Letters, 2019, 115, .	3.3	18
61	On Spectrum Sensing of OFDM Signals at Low SNR: New Detectors and Asymptotic Performance. IEEE Transactions on Signal Processing, 2017, 65, 3218-3233.	5.3	17
62	Hatching eggs classification based on deep learning. Multimedia Tools and Applications, 2018, 77, 22071-22082.	3.9	17
63	Bayesian Receiver Design for Grant-Free NOMA With Message Passing Based Structured Signal Estimation. IEEE Transactions on Vehicular Technology, 2020, 69, 8643-8656.	6.3	17
64	Linewidth enhancement factor measurement based on optical feedback self-mixing effect: a genetic algorithm approach. Journal of Optics, 2009, 11, 045505.	1.5	16
65	A Fiber-Coupled Self-Mixing Laser Diode for the Measurement of Young's Modulus. Sensors, 2016, 16, 928.	3.8	16
66	Shrinkage of Covariance Matrices for Linear Signal Estimation Using Cross-Validation. IEEE Transactions on Signal Processing, 2016, 64, 2965-2975.	5.3	16
67	Energy Efficiency of Uplink Massive MIMO Systems With Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 668-671.	4.1	16
68	Displacement sensing using the relaxation oscillation frequency of a laser diode with optical feedback. Applied Optics, 2017, 56, 6962.	1.8	16
69	General model for phase shifting profilometry with an object in motion. Applied Optics, 2018, 57, 10364.	1.8	16
70	Modeling for optical feedback laser diode operating in period-one oscillation and its application. Optics Express, 2019, 27, 4090.	3.4	16
71	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
72	Spectrum sensing based on goodness of fit test with unilateral alternative hypothesis. Electronics Letters, 2014, 50, 1645-1646.	1.0	15

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73	Low-complexity approximate iterative LMMSE detection for large-scale MIMO systems. , 2017, 60, 134-139.		15
74	Matrix Completion-Based Channel Estimation for MmWave Communication Systems With Array-Inherent Impairments. IEEE Access, 2018, 6, 62915-62931.	4.2	15
75	Period-One Microwave Photonic Sensing by a Laser Diode With Optical Feedback. Journal of Lightwave Technology, 2020, 38, 5423-5429.	4.6	14
76	Improving the Performance in an Optical feedback Self-mixing Interferometry System using Digital Signal Pre-processing. , 2007, , .		13
77	Anisotropic coupled diffusion filter and binarization for the electronic speckle pattern interferometry fringes. Optics Express, 2012, 20, 21905.	3.4	13
78	Improving Measurement Sensitivity for a Displacement Sensor Based on Self-Mixing Effect. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	13
79	Fabrication and Characterization of a Magnetized Metal-Encapsulated FBG Sensor for Structural Health Monitoring. IEEE Sensors Journal, 2018, 18, 8739-8746.	4.7	13
80	Essential parameter calibration for the 3D scanner with only single camera and projector. Optoelectronics Letters, 2013, 9, 143-147.	0.8	12
81	Spectrum Sensing Using Multiple Large Eigenvalues and Its Performance Analysis. IEEE Internet of Things Journal, 2019, 6, 776-789.	8.7	12
82	A New Algorithm for Displacement Measurement Using Self-Mixing Interferometry With Modulated Injection Current. IEEE Access, 2020, 8, 123253-123261.	4.2	12
83	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.	4.6	12
84	Predictive learning of multi-channel isochronal chaotic synchronization by utilizing parallel optical reservoir computers based on three laterally coupled semiconductor lasers with delay-time feedback. Optics Express, 2021, 29, 5279.	3.4	12
85	Novel temperature-independent FBG-type force sensor. Measurement Science and Technology, 2005, 16, 1600-1604.	2.6	11
86	3D profile measurement based on estimation of spatial shifts between intensity ratios from multiple-step triangular patterns. Optics and Lasers in Engineering, 2013, 51, 440-445.	3.8	11
87	Simple method for measuring the linewidth enhancement factor of semiconductor lasers. Applied Optics, 2015, 54, 10295.	2.1	11
88	Fringe Pattern Analysis With Message Passing Based Expectation Maximization for Fringe Projection Profilometry. IEEE Access, 2016, 4, 4310-4320.	4.2	11
89	Robust Entangled-Photon Ghost Imaging with Compressive Sensing. Sensors, 2019, 19, 192.	3.8	11
90	Fertility Detection of Hatching Eggs Based on a Convolutional Neural Network. Applied Sciences (Switzerland), 2019, 9, 1408.	2.5	11

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91	Effective Energy Detection for IoT Systems Against Noise Uncertainty at Low SNR. IEEE Internet of Things Journal, 2019, 6, 6165-6176.	8.7	11
92	Automated reconstruction of multiple objects with individual movement based on PSP. Optics Express, 2020, 28, 28600.	3.4	11
93	Pre-Processing of Signals Observed from Laser Diode Self-mixing Intereferometries using Neural Networks. , 2007, , .		10
94	Energy Detection of DVB-T Signals Against Noise Uncertainty. IEEE Communications Letters, 2014, 18, 1831-1834.	4.1	10
95	Improved method for estimation of multiple parameters in self-mixing interferometry. Applied Optics, 2015, 54, 2703.	1.8	10
96	Energy Detection With Random Arrival and Departure of Primary Signals: New Detector and Performance Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 10092-10101.	6.3	10
97	Sparse Bayesian Learning Based on Approximate Message Passing with Unitary Transformation. , 2019, , .		10
98	Fringe Order Correction for Fringe Projection Profilometry Based on Robust Principal Component Analysis. IEEE Access, 2021, 9, 23110-23119.	4.2	10
99	Full-view three-dimensional measurement of complex surfaces. Optical Engineering, 2018, 57, 1.	1.0	10
100	Discrete cosine transform-based shift estimation for fringe pattern profilometry using a generalized analysis model. Applied Optics, 2006, 45, 6560.	2.1	9
101	A psychoacoustic-based analysis-by-synthesis scheme for jointly encoding multiple audio objects into independent mixtures. , 2013, , .		9
102	3D shape measurement based on projection of triangular patterns of two selected frequencies. Optics Express, 2014, 22, 29234.	3.4	9
103	Features of a Self-Mixing Laser Diode Operating Near Relaxation Oscillation. Sensors, 2016, 16, 1546.	3.8	9
104	The Study of the Directional Sensitivity of Fiber Bragg Gratings for Acoustic Emission Measurements. IEEE Sensors Journal, 2019, 19, 6771-6777.	4.7	9
105	An improved projector calibration method for structured-light 3D measurement systems. Measurement Science and Technology, 2021, 32, 075011.	2.6	9
106	On the Effect of Heat Input and Interpass Temperature on the Performance of Inconel 625 Alloy Deposited Using Wire Arc Additive Manufacturingâ€"Cold Metal Transfer Process. Metals, 2022, 12, 46.	2.3	9
107	Skeleton extraction and phase interpolation for single ESPI fringe pattern based on the partial differential equations. Optics Express, 2015, 23, 29625.	3.4	8
108	Multiple spatial-frequency fringes selection for absolute phase recovery. Surface Topography: Metrology and Properties, 2016, 4, 015004.	1.6	8

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109	Robust channel estimation for switch-based mmWave MIMO systems. , 2017, , .		8
110	Etched Polymer Fibre Bragg Gratings and Their Biomedical Sensing Applications. Sensors, 2017, 17, 2336.	3.8	8
111	Fusing Multilevel Deep Features for Fabric Defect Detection Based NTV-RPCA. IEEE Access, 2020, 8, 161872-161883.	4.2	8
112	Capacity Maximized Linear Precoder Design for Spatial-Multiplexing MIMO VLC Systems. IEEE Access, 2020, 8, 63901-63909.	4.2	8
113	The Influence of Magnetic Field on Fatigue and Mechanical Properties of a 35CrMo Steel. Metals, 2021, 11, 542.	2.3	8
114	A Calibration Approach for Decoupling Colour Cross-Talk Using Nonlinear Blind Signal Separation Network. , 0, , .		7
115	The experimental evaluation of FBG sensors for strain measurement of prestressed steel strand. , 2005, 5649, 463.		7
116	Phase Unwrapping of Self-mixing Signals Observed in Optical Feedback Interferometry for Displacement Measurement. , 2006, , .		7
117	An Energy-Aware Multilevel Clustering algorithm for wireless sensor networks. , 2008, , .		7
118	Wavelet transform based de-noising method for self mixing interferometry signals. Proceedings of SPIE, 2012, , .	0.8	7
119	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.	1.0	7
120	The plasmonic enhancement in silicon nanocone hole solar cells with back located metal particles. Journal of Optics (United Kingdom), 2015, 17, 015901.	2.2	7
121	Absorption enhancement in double-sided nanocone hole arrays for solar cells. Journal of Optics (United Kingdom), 2015, 17, 075901.	2.2	7
122	Recovery of absolute phases for the fringe patterns of three selected wavelengths with improved anti-error capability. Journal of Modern Optics, 2016, 63, 1695-1705.	1.3	7
123	Blind Cooperative Parametric Spectrum Sensing With Distributed Sensors Using Local Average Power Passing. IEEE Transactions on Vehicular Technology, 2016, 65, 9703-9714.	6.3	7
124	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.	2.6	7
125	3D shape measurement of moving object with FFT-based spatial matching. Optics and Laser Technology, 2018, 100, 325-331.	4.6	7
126	Precoder Design for MIMO Visible Light Communications With Decision-Feedback Receivers. IEEE Photonics Technology Letters, 2019, 31, 521-524.	2.5	7

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127	A two-step phase-shifting algorithm dedicated to fringe projection profilometry. Optics and Lasers in Engineering, 2021, 137, 106372.	3.8	7
128	Exploring new chaotic synchronization properties in the master-slave configuration based on three laterally coupled semiconductor lasers with self-feedback. Optics Express, 2020, 28, 25778.	3.4	7
129	Regularized Covariance Estimation for Polarization Radar Detection in Compound Gaussian Sea Clutter. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	7
130	High dynamic range 3D laser scanning with the single-shot raw image of a color camera. Optics Express, 2021, 29, 43626.	3.4	7
131	A contrast between DLP and LCD digital projection technology for triangulation based phase measuring optical profilometers. , 2005, 6000, 151.		6
132	Improved Three-step Phase Shifting Profilometry Using Digital Fringe Pattern Projection. , 0, , .		6
133	Phase error correction based on Inverse Function Shift Estimation in Phase Shifting Profilometry using a digital video projector. Proceedings of SPIE, 2010, , .	0.8	6
134	A composite quality-guided phase unwrapping algorithm for fast 3D profile measurement. , 2012, , .		6
135	Fast quality-guided phase unwrapping algorithm for 3D profilometry based on object image edge detection. , 2012, , .		6
136	Removing the impulsive noise contained in a self-mixing interferometry system using outlier detection. Optical Engineering, 2014, 53, 124108.	1.0	6
137	Soft-In Soft-Out Detection Using Partial Gaussian Approximation. IEEE Access, 2014, 2, 427-436.	4.2	6
138	Ballast Breakage Analysis Using FBG Acoustic Emission Measurement System. Geotechnical and Geological Engineering, 2017, 35, 1239-1247.	1.7	6
139	Novel Bow-Tie Chip-less RFID Tag for Wearable Applications. , 2019, , .		6
140	A Low-Complexity Three-Stage Estimator for Low-Rank mmWave Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 5920-5931.	6.3	6
141	Optical chaotic data-selection logic operation with the fast response for picosecond magnitude. Optics Express, 2019, 27, 23357.	3.4	6
142	Estimating the Parameters of Semiconductor Lasers Based on Weak Optical Feedback Interferometry. , 0, , .		5
143	Effects of fiber cladding on UV beams and fringe patterns in side-exposure FBG writing. , 2005, , .		5
144	Recovering the absolute phase maps of three selected spatial-frequency fringes with multi-color channels. Neurocomputing, 2017, 252, 17-23.	5.9	5

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145	Reduced-complexity Krylov subspace methods for large-scale MIMO channel estimation. , 2018, 78, 332-337.		5
146	Iterative Nonlinearity Mitigation and Decoding for LED Communications. IEEE Photonics Technology Letters, 2018, 30, 1731-1734.	2.5	5
147	Reconstruction of moving object with single fringe pattern based on phase shifting profilometry. Optical Engineering, 2021, 60, .	1.0	5
148	Defect detection and classification of galvanized stamping parts based on fully convolution neural network. , 2018, , .		5
149	Optical chaotic flip-flop operations with multiple triggering under clock synchronization in the VCSEL with polarization-preserved optical injection. Optics Express, 2020, 28, 10363.	3.4	5
150	Achieving Long Distance Sensing Using Semiconductor Laser with Optical Feedback by Operating at Switching Status. Sensors, 2022, 22, 963.	3.8	5
151	Accuracy Limitations Introduced by Digital Projection Sources in Profilometric Optical Metrology Systems. , 0, , .		4
152	Temperature-independent FBG-type torsion sensor. , 2005, , .		4
153	Fast quality-guided flood-fill phase unwrapping algorithm for three-dimensional fringe pattern profilometry. , 2010, , .		4
154	Eliminating noises contained in sensing signals from a self-mixing laser diode. , 2010, , .		4
155	Diabetic Retinopathy Fundus Image Processing Based on Phase Information. , 2011, , .		4
156	Encoding navigable speech sources: An analysis by synthesis approach. , 2012, , .		4
157	Skeleton extraction based on anisotropic partial differential equation. Optik, 2015, 126, 3692-3697.	2.9	4
158	Eliminating influence of transient oscillations on a self-mixing interferometry. Optical Engineering, 2016, 55, 104102.	1.0	4
159	Fibre optic acoustic emission sensor system for hydrogen induced cold crack monitoring in welding applications. , 2016, , .		4
160	Channel Covariance Matrix Estimation via Dimension Reduction for Hybrid MIMO MmWave Communication Systems. Sensors, 2019, 19, 3368.	3.8	4
161	Dual-Frequency Doppler LiDAR Based on External Optical Feedback Effect in a Laser. Sensors, 2020, 20, 6303.	3.8	4
162	Extreme-Learning-Machine-Based Noniterative and Iterative Nonlinearity Mitigation for LED Communication Systems. IEEE Systems Journal, 2020, 14, 4674-4683.	4.6	4

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163	Shape-based filter for micro-aneurysm detection. Computers and Electrical Engineering, 2020, 84, 106620.	4.8	4
164	Performance of single-auxiliary-element adaptive sidelobe cancellers for multiple jammer environments. International Journal of Electronics, 1994, 76, 999-1009.	1.4	3
165	Shift properties of discrete W transforms and real time discrete W analyzers. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1997, 44, 41-45.	2.2	3
166	Blind source separation of nonstationary convolutively mixed signals in the subband domain. , 0, , .		3
167	Fringe pattern profilometry based on inverse function analysis. , 2005, , .		3
168	Measuring the linewidth enhancement factor of semiconductor lasers based on weak optical feedback effect. , 2005, , .		3
169	Predication of multi-dimensional photonic crystal structures generated by multi-beam interference in holographic lithography. Smart Materials and Structures, 2006, 15, S158-S164.	3.5	3
170	A fringe period unwrapping technique for digital fringe profilometry based on spatial shift estimation. Proceedings of SPIE, 2009, , .	0.8	3
171	Intensity ratio approach for 3D profile measurement based on projection of triangular patterns. Applied Optics, 2014, 53, 200.	1.8	3
172	Correlation fringe pattern of ESPI generated method based on the orientation partial differential equation. Optics Communications, 2014, 310, 85-89.	2.1	3
173	Low Complexity Optimal Soft-Input Soft-Output Demodulation of MSK Based on Factor Graph. IEEE Communications Letters, 2014, 18, 1139-1142.	4.1	3
174	Needle Profile Grating Structure for Absorption Enhancement in GaAs Thin Film Solar Cells. Optics and Laser Technology, 2015, 74, 43-47.	4.6	3
175	Three-dimensional surface inspection for semiconductor components with fringe projection profilometry. Proceedings of SPIE, 2016, , .	0.8	3
176	Young's modulus measurement using fibre-coupled self-mixing laser diode. , 2016, , .		3
177	Fibre optic acoustic emission measurement technique for crack activity monitoring in civil engineering applications. , 2016, , .		3
178	Measurement of surface parameters of three-dimensional braided composite preform based on curvature scale space corner detector. Textile Reseach Journal, 2018, 88, 2641-2653.	2.2	3
179	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.	2.0	3
180	End-to-End Multimodal 16-Day Hatching Eggs Classification. Symmetry, 2019, 11, 759.	2.2	3

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181	Adaptive Extreme Learning Machine-Based Nonlinearity Mitigation For LED Communications. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	2.9	3
182	Error analysis in the absolute phase maps recovered by fringe patterns with three different wavelengths. Journal of Modern Optics, 2018, 65, 237-245.	1.3	3
183	Reconstruction of Isolated Moving Objects by Motion-Induced Phase Shift Based on PSP. Applied Sciences (Switzerland), 2022, 12, 252.	2.5	3
184	A block gradient-based algorithm for adaptive IIR filtering. Signal Processing, 1995, 43, 223-228.	3.7	2
185	Measuring Multiple Parameters in a Self-Mixing Optical Feedback System. , 0, , .		2
186	Multi-point fiber Bragg grating based vibration measurement system with high sensitivity and fast frequency response. , 2005, , .		2
187	A half-frequency domain approach for convolutive blind source separation based on Kullback-Leibler divergence. , 0, , .		2
188	Generalized Analysis Model for Fringe Pattern Profilometry. , 0, , .		2
189	Improving the Performance of IWDM FBG Sensing System Using Tabu-Gradient Search Algorithm. , 2006, , .		2
190	The Fourier Spectrum Analysis of Optical Feedback Self-Mixing Signal under Weak and Moderate Feedback. , 2008, , .		2
191	A displacement reconstruction algorithm used for optical feedback self mixing interferometry system under different feedback levels. Proceedings of SPIE, 2010, , .	0.8	2
192	Retreving alpha factor of semiconductor lasers from a self-mixing interference waveform. , 2012, , .		2
193	Three-dimensional (3D) shape measurement of complex surface object using composite fringe patterns. , 2012, , .		2
194	An object image edge detection based quality-guided phase unwrapping approach for fast three-dimensional measurement. , 2013, , .		2
195	Speech enhancement with an acoustic vector sensor: an effective adaptive beamforming and post-filtering approach. Eurasip Journal on Audio, Speech, and Music Processing, 2014, 2014, .	2.1	2
196	Measuring Young's modulus using a self-mixing laser diode. , 2014, , .		2
197	Choosing the diagonal loading factor for linear signal estimation using cross validation. , 2016, , .		2
198	Low Complexity Message Passing-Based Receiver Design for Wiener Phase-Noise Channels. IEEE Communications Letters, 2016, , 1-1.	4.1	2

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199	Joint spare channel estimation and decoding for orthogonal frequency division multiplexing using combined message passing. IET Communications, 2018, 12, 2022-2029.	2.2	2
200	Tuning the Parameters for Precision Matrix Estimation Using Regression Analysis. IEEE Access, 2019, 7, 90585-90596.	4.2	2
201	Measurement of large steel plates based on linear scan structured light scanning. , 2018, , .		2
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