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	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
2	Achieving Long Distance Sensing Using Semiconductor Laser with Optical Feedback by Operating at Switching Status. Sensors, 2022, 22, 963.	3.8	5
3	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
4	Reconstruction of Isolated Moving Objects by Motion-Induced Phase Shift Based on PSP. Applied Sciences (Switzerland), 2022, 12, 252.	2.5	3
5	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.	3.8	1
6	A two-step phase-shifting algorithm dedicated to fringe projection profilometry. Optics and Lasers in Engineering, 2021, 137, 106372.	3.8	7
7	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
8	Fringe Order Correction for Fringe Projection Profilometry Based on Robust Principal Component Analysis. IEEE Access, 2021, 9, 23110-23119.	4.2	10
9	Improving the Performance of 3D Shape Measurement of Moving Objects by Fringe Projection and Data Fusion. IEEE Access, 2021, 9, 34682-34691.	4.2	0
10	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
11	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
12	The Influence of Magnetic Field on Fatigue and Mechanical Properties of a 35CrMo Steel. Metals, 2021, 11, 542.	2.3	8
13	An improved projector calibration method for structured-light 3D measurement systems. Measurement Science and Technology, 2021, 32, 075011.	2.6	9
14	A Low-Complexity Three-Stage Estimator for Low-Rank mmWave Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 5920-5931.	6.3	6
15	Motion induced error reduction methods for phase shifting profilometry: A review. Optics and Lasers in Engineering, 2021, 141, 106573.	3.8	45
16	Reconstruction of moving object with single fringe pattern based on phase shifting profilometry. Optical Engineering, 2021, 60, .	1.0	5
17	3D shape measurement of shiny surfaces based on optimized combination of fringe patterns of different intensity. Measurement Science and Technology, 2021, 32, 035203.	2.6	2
18	Dual-Frequency Doppler LiDAR Using Periodic Window with Period-6 Based on External Optical Feedback Effect in a Laser Diode. , 2021, , .		0

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19	Chaotic Lidar Sensing Performance Analysis Based on Laser Diode with Optical Feedback. , 2021, , .		0
20	High dynamic range 3D laser scanning with the single-shot raw image of a color camera. Optics Express, 2021, 29, 43626.	3.4	7
21	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
22	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
23	A New Algorithm for Displacement Measurement Using Self-Mixing Interferometry With Modulated Injection Current. IEEE Access, 2020, 8, 123253-123261.	4.2	12
24	Dual-Frequency Doppler LiDAR Based on External Optical Feedback Effect in a Laser. Sensors, 2020, 20, 6303.	3.8	4
25	Fusing Multilevel Deep Features for Fabric Defect Detection Based NTV-RPCA. IEEE Access, 2020, 8, 161872-161883.	4.2	8
26	Extreme-Learning-Machine-Based Noniterative and Iterative Nonlinearity Mitigation for LED Communication Systems. IEEE Systems Journal, 2020, 14, 4674-4683.	4.6	4
27	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
28	Electrically Conducting Hydrogel Graphene Nanocomposite Biofibers for Biomedical Applications. Frontiers in Chemistry, 2020, 8, 88.	3.6	26
29	Wearable Electronic Textiles from Nanostructured Piezoelectric Fibers. Advanced Materials Technologies, 2020, 5, 1900900.	5.8	107
30	Shape-based filter for micro-aneurysm detection. Computers and Electrical Engineering, 2020, 84, 106620.	4.8	4
31	Capacity Maximized Linear Precoder Design for Spatial-Multiplexing MIMO VLC Systems. IEEE Access, 2020, 8, 63901-63909.	4.2	8
32	Period-One Microwave Photonic Sensing by a Laser Diode With Optical Feedback. Journal of Lightwave Technology, 2020, 38, 5423-5429.	4.6	14
33	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
34	Automated reconstruction of multiple objects with individual movement based on PSP. Optics Express, 2020, 28, 28600.	3.4	11
35	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
36	Spectrum Sensing Using Multiple Large Eigenvalues and Its Performance Analysis. IEEE Internet of Things Journal, 2019, 6, 776-789.	8.7	12

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37	The Study of the Directional Sensitivity of Fiber Bragg Gratings for Acoustic Emission Measurements. IEEE Sensors Journal, 2019, 19, 6771-6777.	4.7	9
38	Defect Detection for Patterned Fabric Images Based on GHOG and Low-Rank Decomposition. IEEE Access, 2019, 7, 83962-83973.	4.2	38
39	High sensitive sensing by a laser diode with dual optical feedback operating at period-one oscillation. Applied Physics Letters, 2019, 115, .	3.3	18
40	Carbon Nanotube Based Fiber Supercapacitor as Wearable Energy Storage. Frontiers in Materials, 2019, 6, .	2.4	86
41	Sparse Bayesian Learning Based on Approximate Message Passing with Unitary Transformation. , 2019, , .		10
42	Error compensation method of large size steel sheet measurement based on control field. Journal of Physics: Conference Series, 2019, 1213, 042025.	0.4	1
43	Eye state recognition method for drivers with glasses. Journal of Physics: Conference Series, 2019, 1213, 052049.	0.4	1
44	Tuning the Parameters for Precision Matrix Estimation Using Regression Analysis. IEEE Access, 2019, 7, 90585-90596.	4.2	2
45	Channel Covariance Matrix Estimation via Dimension Reduction for Hybrid MIMO MmWave Communication Systems. Sensors, 2019, 19, 3368.	3.8	4
46	Robust Entangled-Photon Ghost Imaging with Compressive Sensing. Sensors, 2019, 19, 192.	3.8	11
47	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
48	End-to-End Multimodal 16-Day Hatching Eggs Classification. Symmetry, 2019, 11, 759.	2.2	3
49	Precoder Design for MIMO Visible Light Communications With Decision-Feedback Receivers. IEEE Photonics Technology Letters, 2019, 31, 521-524.	2.5	7
50	Weak Micro-Scratch Detection Based on Deep Convolutional Neural Network. IEEE Access, 2019, 7, 27547-27554.	4.2	39
51	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
52	Fertility Detection of Hatching Eggs Based on a Convolutional Neural Network. Applied Sciences (Switzerland), 2019, 9, 1408.	2.5	11
53	Novel Bow-Tie Chip-less RFID Tag for Wearable Applications. , 2019, , .		6
54	On Matrix Completion-Based Channel Estimators for Massive MIMO Systems. Symmetry, 2019, 11, 1377.	2.2	1

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55	Reconstruction of isolated moving objects with high 3D frame rate based on phase shifting profilometry. Optics Communications, 2019, 438, 61-66.	2.1	21
56	Effective Energy Detection for IoT Systems Against Noise Uncertainty at Low SNR. IEEE Internet of Things Journal, 2019, 6, 6165-6176.	8.7	11
57	Modeling for optical feedback laser diode operating in period-one oscillation and its application. Optics Express, 2019, 27, 4090.	3.4	16
58	Optical chaotic data-selection logic operation with the fast response for picosecond magnitude. Optics Express, 2019, 27, 23357.	3.4	6
59	State Boundaries in a Laser Diode with Optical Feedback and Its Sensing Application. , 2019, , .		0
60	Measuring Linewidth Enhancement Factor by Laser Dynamics. , 2019, , .		0
61	Sensing using Dynamics of a Laser Diode with Dual-Cavity. , 2019, , .		0
62	Experimental Observations in a Self-mixing Laser Diode. , 2019, , .		0
63	3D Reconstruction for the Multiple Moving Objects Based on Phase Shifting Profilometry. , 2019, , .		0
64	A method for dynamic 3D shape measurements based on multiple-shot FTP and motion compensation. , 2019, , .		0
65	Effect of windowing on a sensing signal generated by self-mixing interferometry. , 2019, , .		1
66	Fringe projection profilometry for the 3D shape measurement of objects with three-dimensional movements. , 2019, , .		0
67	Achieving high resolution measurement using laser diode operating at period one. , 2019, , .		0
68	Improve 3D shape reconstruction with dual-camera measurement fusion. , 2019, , .		0
69	A new method for fringe order error correction in fringe projection profilometry. , 2019, , .		1
70	A fringe projection profilometry scheme based on embedded speckle patterns and robust principal component analysis. , 2019, , .		0
71	Linear shrinkage estimation of covariance matrices using low-complexity cross-validation. Signal Processing, 2018, 148, 223-233.	3.7	21
72	Reduced-complexity Krylov subspace methods for large-scale MIMO channel estimation. , 2018, 78, 332-337.		5

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73	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
74	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
75	An Improved 3D Surface Reconstruction Method Based on Three Wavelength Phase Shift Profilometry. Studies in Computational Intelligence, 2018, , 85-93.	0.9	0
76	Hatching eggs classification based on deep learning. Multimedia Tools and Applications, 2018, 77, 22071-22082.	3.9	17
77	3D shape measurement of moving object with FFT-based spatial matching. Optics and Laser Technology, 2018, 100, 325-331.	4.6	7
78	A Self-Mixing Laser Diode for Micro-Displacement Measurement. , 2018, , .		1
79	Retrieve the Material Related Parameters from a Self-Mixing Signal Using Wavelet Transform. , 2018, , .		0
80	Alpha Measurement Using Laser Dynamics. , 2018, , .		0
81	Regularized Lattice Reduction-Aided Ordered Successive Interference Cancellation for MIMO Detection. , 2018, , .		1
82	Measuring Linewidth Enhancement Factor by Relaxation Oscillation Frequency in a Laser with Optical Feedback. Sensors, 2018, 18, 4004.	3.8	19
83	Improving Measurement Sensitivity for a Displacement Sensor Based on Self-Mixing Effect. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	13
84	Cross-Validated Bandwidth Selection for Precision Matrix Estimation. , 2018, , .		1
85	Fabrication and Characterization of a Magnetized Metal-Encapsulated FBG Sensor for Structural Health Monitoring. IEEE Sensors Journal, 2018, 18, 8739-8746.	4.7	13
86	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
87	Matrix Completion-Based Channel Estimation for MmWave Communication Systems With Array-Inherent Impairments. IEEE Access, 2018, 6, 62915-62931.	4.2	15
88	Iterative Nonlinearity Mitigation and Decoding for LED Communications. IEEE Photonics Technology Letters, 2018, 30, 1731-1734.	2.5	5
89	Joint spare channel estimation and decoding for orthogonal frequency division multiplexing using combined message passing. IET Communications, 2018, 12, 2022-2029.	2.2	2
90	Laser Self-Mixing Fiber Bragg Grating Sensor for Acoustic Emission Measurement. Sensors, 2018, 18, 1956.	3.8	26

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91	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
92	Defect detection and classification of galvanized stamping parts based on fully convolution neural network. , 2018, , .		5
93	General model for phase shifting profilometry with an object in motion. Applied Optics, 2018, 57, 10364.	1.8	16
94	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
95	Measurement of large steel plates based on linear scan structured light scanning. , 2018, , .		2
96	Simulation study on improving the spatial resolution of absolute phase map recovered by fringe projection profilometry with the images of different resolutions. , 2018, , .		0
97	A new phase retrieve method for phase shifting profilometry with object in motion. , 2018, , .		0
98	Full-view three-dimensional measurement of complex surfaces. Optical Engineering, 2018, 57, 1.	1.0	10
99	Experimental study on simultaneously measuring Young's modulus and internal fraction using self-mixing system. , 2018, , .		0
100	A new phase unwrapping method for phase shifting profilometry with object in motion. , 2018, , .		0
101	Influence of system bandwidth on self-mixing signal. , 2018, , .		0
102	Profile measurement using a self-mixing laser diode. , 2018, , .		0
103	Ballast Breakage Analysis Using FBG Acoustic Emission Measurement System. Geotechnical and Geological Engineering, 2017, 35, 1239-1247.	1.7	6
104	Recovering the absolute phase maps of three selected spatial-frequency fringes with multi-color channels. Neurocomputing, 2017, 252, 17-23.	5.9	5
105	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
106	Energy Efficiency of Uplink Massive MIMO Systems With Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 668-671.	4.1	16
107	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
108	Low-complexity approximate iterative LMMSE detection for large-scale MIMO systems. , 2017, 60, 134-139.		15

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109	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
110	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
111	Regularised equalisation for OFDM systems with BEM-based channel estimation. , 2017, , .		1
112	Robust channel estimation for switch-based mmWave MIMO systems. , 2017, , .		8
113	Displacement sensing using the relaxation oscillation frequency of a laser diode with optical feedback. Applied Optics, 2017, 56, 6962.	1.8	16
114	Automated approach for the surface profile measurement of moving objects based on PSP. Optics Express, 2017, 25, 32120.	3.4	40
115	Etched Polymer Fibre Bragg Gratings and Their Biomedical Sensing Applications. Sensors, 2017, 17, 2336.	3.8	8
116	Integrated real-time measurement method of filament lamp dimension based on machine vision. , 2017, , .		0
117	A Fiber-Coupled Self-Mixing Laser Diode for the Measurement of Youngâ€™s Modulus. Sensors, 2016, 16, 928.	3.8	16
118	Features of a Self-Mixing Laser Diode Operating Near Relaxation Oscillation. Sensors, 2016, 16, 1546.	3.8	9
119	Orthogonal Polynomial-Based Nonlinearity Modeling and Mitigation for LED Communications. IEEE Photonics Journal, 2016, 8, 1-12.	2.0	21
120	Relationship between the relaxation oscillation frequency of a laser diode and its external cavity length. , 2016, , .		0
121	Choosing the diagonal loading factor for linear signal estimation using cross validation. , 2016, , .		2
122	Three-dimensional surface inspection for semiconductor components with fringe projection profilometry. Proceedings of SPIE, 2016, , .	0.8	3
123	Encoding and communicating navigable speech soundfields. Multimedia Tools and Applications, 2016, 75, 5183-5204.	3.9	22
124	Young's modulus measurement using fibre-coupled self-mixing laser diode. , 2016, , .		3
125	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
126	Fringe Pattern Analysis With Message Passing Based Expectation Maximization for Fringe Projection Profilometry. IEEE Access, 2016, 4, 4310-4320.	4.2	11

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127	Eliminating influence of transient oscillations on a self-mixing interferometry. Optical Engineering, 2016, 55, 104102.	1.0	4
128	Evaluation of the physical properties of dental resin composites using optical fiber sensing technology. Dental Materials, 2016, 32, 1113-1123.	3.5	27
129	Low Complexity Message Passing-Based Receiver Design for Wiener Phase-Noise Channels. IEEE Communications Letters, 2016, , 1-1.	4.1	2
130	Multiple spatial-frequency fringes selection for absolute phase recovery. Surface Topography: Metrology and Properties, 2016, 4, 015004.	1.6	8
131	Multiple‐rate codes from block Markov superposition transmission of first‐order Reed–Muller and extended Hamming codes. Electronics Letters, 2016, 52, 1531-1533.	1.0	1
132	Fibre optic acoustic emission sensor system for hydrogen induced cold crack monitoring in welding applications. , 2016, , .		4
133	Fibre optic acoustic emission measurement technique for crack activity monitoring in civil engineering applications. , 2016, , .		3
134	Shrinkage of Covariance Matrices for Linear Signal Estimation Using Cross-Validation. IEEE Transactions on Signal Processing, 2016, 64, 2965-2975.	5.3	16
135	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
136	Frequency-Domain Turbo Equalization with Iterative Impulsive Noise Mitigation for Single-Carrier Power-Line Communications. Lecture Notes in Electrical Engineering, 2016, , 891-902.	0.4	1
137	Fibre Bragg Grating Based Characterization System for Dental Resin Composites. , 2016, , .		0
138	Skeleton extraction and phase interpolation for single ESPI fringe pattern based on the partial differential equations. Optics Express, 2015, 23, 29625.	3.4	8
139	Simple method for measuring the linewidth enhancement factor of semiconductor lasers. Applied Optics, 2015, 54, 10295.	2.1	11
140	Low-complexity iterative Doppler spread and channel estimation over Rayleigh fading channels. , 2015, , .		0
141	Target Tracking Algorithm Using Angular Point Matching Combined with Compressive Tracking. Advances in OptoElectronics, 2015, 2015, 1-10.	0.6	0
142	A novel normalization method for improving the sensing performance of a self-mixing interferometry. , 2015, , .		0
143	Design requirements of experiment set-up for self-mixing-based Young's modulus measurement system. , 2015, , .		0
144	High rate serially concatenated codes with low error floors. , 2015, , .		0

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145	Analysis on the transient of a self-mixing interferometry sensing system. , 2015, , .		0
146	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
147	Stability Limit of a Semiconductor Laser With Optical Feedback. IEEE Journal of Quantum Electronics, 2015, 51, 1-9.	1.9	1
148	Absorption enhancement in double-sided nanocone hole arrays for solar cells. Journal of Optics (United Kingdom), 2015, 17, 075901.	2.2	7
149	Phase unwrapping method based on multiple fringe patterns without use of equivalent wavelengths. Optics Communications, 2015, 355, 213-224.	2.1	24
150	Needle Profile Grating Structure for Absorption Enhancement in GaAs Thin Film Solar Cells. Optics and Laser Technology, 2015, 74, 43-47.	4.6	3
151	Absolute phase recovery of three fringe patterns with selected spatial frequencies. Optics and Lasers in Engineering, 2015, 70, 18-25.	3.8	33
152	Signal estimation-oriented reduced-rank channel estimation for MIMO communications. , 2015, , .		1
153	Shadow removal method for phase-shifting profilometry. Applied Optics, 2015, 54, 6059.	2.1	27
154	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
155	Improved method for estimation of multiple parameters in self-mixing interferometry. Applied Optics, 2015, 54, 2703.	1.8	10
156	Dimension reduced sparse recovery method for clutter suppression in bistatic MIMO radar. , 2015, , .		0
157	Skeleton extraction based on anisotropic partial differential equation. Optik, 2015, 126, 3692-3697.	2.9	4
158	Spectrum Sensing Using Weighted Covariance Matrix in Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 5137-5148.	6.3	80
159	FPGA based design for real-time measurement of alpha. , 2014, , .		0
160	Spectrum sensing based on goodness of fit test with unilateral alternative hypothesis. Electronics Letters, 2014, 50, 1645-1646.	1.0	15
161	Influence of the nonlinear gain on the stability limit of a semiconductor laser with external feedback. , 2014, , .		0
162	A multiple wavelength unwrapping algorithm for digital fringe profilometry based on spatial shift estimation. , 2014, , .		1

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163	Digital fringe profilometry based on triangular fringe patterns and spatial shift estimation. Proceedings of SPIE, 2014, , .	0.8	1
164	Effective data processing in the frequency-domain based self-mixing approach for measuring alpha factor. Proceedings of SPIE, 2014, , .	0.8	0
165	Intensity ratio approach for 3D profile measurement based on projection of triangular patterns. Applied Optics, 2014, 53, 200.	1.8	3
166	Absolute phase map recovery of two fringe patterns with flexible selection of fringe wavelengths. Applied Optics, 2014, 53, 1794.	1.8	21
167	Simultaneous measurement of vibration and parameters of a semiconductor laser using self-mixing interferometry. Applied Optics, 2014, 53, 4256.	1.8	26
168	Improving the accuracy performance of phase-shifting profilometry for the measurement of objects in motion. Optics Letters, 2014, 39, 6715.	3.3	35
169	Application of global phase filtering method in multi frequency measurement. Optics Express, 2014, 22, 13641.	3.4	34
170	3D shape measurement based on projection of triangular patterns of two selected frequencies. Optics Express, 2014, 22, 29234.	3.4	9
171	Dynamic stability analysis for a self-mixing interferometry system. Optics Express, 2014, 22, 29260.	3.4	18
172	Improved geometrical model of fringe projection profilometry. Optics Express, 2014, 22, 32220.	3.4	18
173	An effective doa estimation by exploring the spatial sparse representation of the inter-sensor data ratio model. , 2014, , .		1
174	An effective target speech enhancement with single acoustic vector sensor based on the speech time-frequency sparsity. , 2014, , .		1
175	Spatial shift unwrapping for digital fringe profilometry based on spatial shift estimation. Journal of Electronic Imaging, 2014, 23, 043002.	0.9	1
176	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
177	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
178	Removing the impulsive noise contained in a self-mixing interferometry system using outlier detection. Optical Engineering, 2014, 53, 124108.	1.0	6
179	Correlation fringe pattern of ESPI generated method based on the orientation partial differential equation. Optics Communications, 2014, 310, 85-89.	2.1	3
180	Regularized successive interference cancellation (SIC) under mismatched modeling. , 2014, , .		1

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181	Low Complexity Optimal Soft-Input Soft-Output Demodulation of MSK Based on Factor Graph. IEEE Communications Letters, 2014, 18, 1139-1142.	4.1	3
182	Energy Detection of DVB-T Signals Against Noise Uncertainty. IEEE Communications Letters, 2014, 18, 1831-1834.	4.1	10
183	Experimental study for the influence of surface characteristics on the fringe patterns. , 2014, , .		0
184	System implementation of self-mixing interferometry technique-based measurement on Young's modulus. Proceedings of SPIE, 2014, , .	0.8	1
185	Measuring Young's modulus using a self-mixing laser diode. , 2014, , .		2
186	Soft-In Soft-Out Detection Using Partial Gaussian Approximation. IEEE Access, 2014, 2, 427-436.	4.2	6
187	Essential parameter calibration for the 3D scanner with only single camera and projector. Optoelectronics Letters, 2013, 9, 143-147.	0.8	12
188	Collaborative Blind Source Separation Using Location Informed Spatial Microphones. IEEE Signal Processing Letters, 2013, 20, 83-86.	3.6	21
189	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
190	Iterative Frequency Domain Equalization With Generalized Approximate Message Passing. IEEE Signal Processing Letters, 2013, 20, 559-562.	3.6	38
191	Quality-guided spatial phase unwrapping algorithm for fast three-dimensional measurement. Optics Communications, 2013, 294, 139-147.	2.1	46
192	A new phase unwrapping algorithm based on Three Wavelength Phase Shift Profilometry method. Optics and Laser Technology, 2013, 45, 319-329.	4.6	40
193	Effects of base matrices on iterative decoding performance of irregular QC-LDPC codes. , 2013, , .		0
194	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
195	Influence of external optical feedback on the alpha factor of semiconductor lasers. Optics Letters, 2013, 38, 1781.	3.3	32
196	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
197	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
198	A psychoacoustic-based analysis-by-synthesis scheme for jointly encoding multiple audio objects into independent mixtures. , 2013, , .		9

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199	An object image edge detection based quality-guided phase unwrapping approach for fast three-dimensional measurement. , 2013, , .		2
200	Multisource DOA estimation based on time-frequency sparsity and joint inter-sensor data ratio with single acoustic vector sensor. , 2013, , .		18
201	Retreving alpha factor of semiconductor lasers from a self-mixing interference waveform. , 2012, , .		2
202	Frequency selection in absolute phase maps recovery with two frequency projection fringes. Optics Express, 2012, 20, 13238.	3.4	50
203	Anisotropic coupled diffusion filter and binarization for the electronic speckle pattern interferometry fringes. Optics Express, 2012, 20, 21905.	3.4	13
204	Encoding navigable speech sources: An analysis by synthesis approach. , 2012, , .		4
205	An approach to compensate the object movement errors in phase shifting profilometry. Proceedings of SPIE, 2012, , .	0.8	0
206	Wavelet transform based de-noising method for self mixing interferometry signals. Proceedings of SPIE, 2012, , .	0.8	7
207	A composite quality-guided phase unwrapping algorithm for fast 3D profile measurement. , 2012, , .		6
208	Three-dimensional (3D) shape measurement of complex surface object using composite fringe patterns. , 2012, , .		2
209	Fast quality-guided phase unwrapping algorithm for 3D profilometry based on object image edge detection. , 2012, , .		6
210	FPGA based filter design for self-mixing interferometry signals. Proceedings of SPIE, 2011, , .	0.8	1
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