

Edmund Y Lam

List of Publications by Year in descending order

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341
papers

5,729
citations

101543

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all docs

345
docs citations

345
times ranked

3879
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistage Dual-Attention Guided Fusion Network for Hyperspectral Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	20
2	Holographic 3D particle reconstruction using a one-stage network. Applied Optics, 2022, 61, B111.	1.8	12
3	Temporal compressive imaging reconstruction based on a 3D-CNN network. Optics Express, 2022, 30, 3577.	3.4	5
4	Lens-free motion analysis via neuromorphic laser speckle imaging. Optics Express, 2022, 30, 2206.	3.4	12
5	Fast and robust phase retrieval for masked coherent diffractive imaging. Photonics Research, 2022, 10, 758.	7.0	10
6	A Portable Sign Language Collection and Translation Platform with Smart Watches Using a BLSTM-Based Multi-Feature Framework. Micromachines, 2022, 13, 333.	2.9	8
7	Dual Alternating Direction Method of Multipliers for Inverse Imaging. IEEE Transactions on Image Processing, 2022, 31, 3295-3308.	9.8	8
8	Fast Classification and Action Recognition With Event-Based Imaging. IEEE Access, 2022, 10, 55638-55649.	4.2	5
9	Cross-Domain Contrastive Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	18
10	Iterative phase retrieval with a sensor mask. Optics Express, 2022, 30, 25788.	3.4	5
11	Microplastic pollution assessment with digital holography and zero-shot learning. APL Photonics, 2022, 7, .	5.7	11
12	High-Dimensional Dense Residual Convolutional Neural Network for Light Field Reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 873-886.	13.9	78
13	Light Field View Synthesis via Aperture Disparity and Warping Confidence Map. IEEE Transactions on Image Processing, 2021, 30, 3908-3921.	9.8	16
14	From Local to Global: Efficient Dual Attention Mechanism for Single Image Super-Resolution. IEEE Access, 2021, 9, 114957-114964.	4.2	5
15	Robust Reconstruction With Deep Learning to Handle Model Mismatch in Lensless Imaging. IEEE Transactions on Computational Imaging, 2021, 7, 1080-1092.	4.4	18
16	Applying (3+2+1)D Residual Neural Network with Frame Selection for Hong Kong Sign Language Recognition. , 2021, , .		7
17	MBD-GAN: Model-based image deblurring with a generative adversarial network. , 2021, , .		2
18	Broad dual-band temporal compressive imaging with optical calibration. Optics Express, 2021, 29, 5710.	3.4	6

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19	Microplastic pollution monitoring with holographic classification and deep learning. JPhys Photonics, 2021, 3, 024013.	4.6	29
20	Extended focused imaging in microscopy using structure tensor and guided filtering. Optics and Lasers in Engineering, 2021, 140, 106549.	3.8	5
21	Event-based laser speckle correlation for micro motion estimation. Optics Letters, 2021, 46, 3885.	3.3	13
22	Ghost-Free HDR Imaging Via Unrolling Low-Rank Matrix Completion. , 2021, , .		4
23	Event-based laser speckle correlation for micro motion estimation: erratum. Optics Letters, 2021, 46, 5083.	3.3	0
24	Learning to restore light fields under low-light imaging. Neurocomputing, 2021, 456, 76-87.	5.9	12
25	An effective decomposition-enhancement method to restore light field images captured in the dark. Signal Processing, 2021, 189, 108279.	3.7	7
26	Learning-based cell detection in digital pathology. , 2021, , .		1
27	Digital holographic imaging and classification of microplastics using deep transfer learning. Applied Optics, 2021, 60, A38.	1.8	38
28	Dynamic laser speckle analysis using the event sensor. Applied Optics, 2021, 60, 172.	1.8	11
29	Artificial intelligence in biophotonics and imaging: Advancing computational reconstruction and inference. , 2021, , .		0
30	Digital holographic microplastics detection and characterization in heterogeneous samples via deep learning. , 2021, , .		3
31	Underwater holographic descattering with synthetic polarization. , 2021, , .		0
32	Phase retrieval with data-driven dual alternating direction method of multipliers for coherent diffraction imaging. , 2021, , .		3
33	Digital holography with polarization multiplexing for underwater imaging and descattering. , 2021, , .		1
34	Deep learning for digital holography: a review. Optics Express, 2021, 29, 40572.	3.4	63
35	Full scene underwater imaging with polarization and an untrained network. Optics Express, 2021, 29, 41865.	3.4	17
36	Lensless sensing using the event sensor. , 2021, , .		4

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37	SignBERT: A BERT-Based Deep Learning Framework for Continuous Sign Language Recognition. IEEE Access, 2021, 9, 161669-161682.	4.2	13
38	Sectional hologram reconstruction through complex deconvolution. Optics and Lasers in Engineering, 2020, 127, 105945.	3.8	7
39	LightGAN: A Deep Generative Model for Light Field Reconstruction. IEEE Access, 2020, 8, 116052-116063.	4.2	13
40	High-Order Residual Network for Light Field Super-Resolution. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11757-11764.	4.9	25
41	Real-Time Target Detection in Visual Sensing Environments Using Deep Transfer Learning and Improved Anchor Box Generation. IEEE Access, 2020, 8, 193512-193522.	4.2	6
42	Computational Imaging in Digital Holographic Reconstruction with Machine Learning. , 2020, , .		0
43	AutoSegNet: An Automated Neural Network for Image Segmentation. IEEE Access, 2020, , 1-1.	4.2	7
44	Digital holography with deep learning and generative adversarial networks for automatic microplastics classification. , 2020, , .		4
45	Automatic Detection of Microplastics by Deep Learning Enabled Digital Holography. , 2020, , .		9
46	RedCap: residual encoder-decoder capsule network for holographic image reconstruction. Optics Express, 2020, 28, 4876.	3.4	32
47	Acceleration of autofocusing with improved edge extraction using structure tensor and Schatten norm. Optics Express, 2020, 28, 14712.	3.4	17
48	Axially resolved volumetric two-photon microscopy with an extended field of view using depth localization under mirrored Airy beams. Optics Express, 2020, 28, 39563.	3.4	2
49	Phase-controlled metasurface design via optimized genetic algorithm. Nanophotonics, 2020, 9, 3931-3939.	6.0	27
50	Computational Optical Sensing and Imaging: feature issue introduction. Optics Express, 2020, 28, 18131.	3.4	3
51	A Deep Learning Approach for Reconstruction in Temporal Compressed Imaging. , 2020, , .		0
52	A Portable Hong Kong Sign Language Translation Platform with Deep Learning and Jetson Nano. , 2020, , .		5
53	Model-based network architecture for image reconstruction in lensless imaging. , 2020, , .		5
54	Light field image restoration in low-light environment. , 2020, , .		1

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55	Unsupervised learning on scientific ocean drilling datasets from the South China Sea. <i>Frontiers of Earth Science</i> , 2019, 13, 180-190.	2.1	5
56	An unsupervised learning approach to study synchronicity of past events in the South China Sea. <i>Frontiers of Earth Science</i> , 2019, 13, 628-640.	2.1	2
57	Radiomics Model to Predict Early Progression of Nonmetastatic Nasopharyngeal Carcinoma after Intensity Modulation Radiation Therapy: A Multicenter Study. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e180075.	5.8	32
58	Nonlocal Means Filtering Based Speckle Removal Utilizing the Maximum <i>a Posteriori</i> Estimation and the Total Variation Image Prior. <i>IEEE Access</i> , 2019, 7, 99231-99243.	4.2	14
59	Spatial and Angular Reconstruction of Light Field Based on Deep Generative Networks. , 2019, , .		10
60	A Real-Time Coprime Line Scan Super-Resolution System for Ultra-Fast Microscopy. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019, 13, 781-792.	4.0	2
61	Fringe Pattern Improvement and Super-Resolution Using Deep Learning in Digital Holography. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 6179-6186.	11.3	43
62	Computational Light Field Generation Using Deep Nonparametric Bayesian Learning. <i>IEEE Access</i> , 2019, 7, 24990-25000.	4.2	8
63	Automatic compensation of phase aberrations in digital holographic microscopy based on sparse optimization. <i>APL Photonics</i> , 2019, 4, .	5.7	32
64	Large-Scale Multi-Class Image-Based Cell Classification With Deep Learning. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 2091-2098.	6.3	66
65	End-to-end deep learning framework for digital holographic reconstruction. <i>Advanced Photonics</i> , 2019, 1, 1.	11.8	135
66	Computational image speckle suppression using block matching and machine learning. <i>Applied Optics</i> , 2019, 58, B39.	1.8	30
67	Digital holographic imaging via deep learning. , 2019, , .		5
68	Near-infrared temporal compressive imaging for video. <i>Optics Letters</i> , 2019, 44, 1702.	3.3	9
69	Dual-waveband Temporal Compressive Imaging. , 2019, , .		0
70	Perceptual loss for light field reconstruction in high-dimensional convolutional neural networks. , 2019, , .		3
71	Golden anniversary of Fourier optics: guest editorial. <i>Applied Optics</i> , 2019, 58, ED1.	1.8	0
72	Designing instructional videos and classwork activities: teaching internet of things via flipped classroom. <i>International Journal of Mobile Learning and Organisation</i> , 2019, 13, 392.	0.3	0

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73	Temporal Compressed Measurements for Block-wise Compressive Imaging. , 2019, , .		0
74	Computational optical sensing and imaging: introduction. Applied Optics, 2019, 58, COS1.	1.8	0
75	Broadband High-Energy All-Fiber Laser at 1.6 μm . IEEE Photonics Technology Letters, 2018, 30, 311-314.	2.5	18
76	Multiplane Illumination Enabled by Fourier-Transform Metasurfaces for High-Speed Light-Sheet Microscopy. ACS Photonics, 2018, 5, 1676-1684.	6.6	16
77	Computationally efficient brightness compensation and contrast enhancement for transmissive liquid crystal displays. Journal of Real-Time Image Processing, 2018, 14, 733-741.	3.5	3
78	Video-rate centimeter-range optical coherence tomography based on dual optical frequency combs by electro-optic modulators. Optics Express, 2018, 26, 24928.	3.4	12
79	3D Imaging Based on Depth Measurement Technologies. Sensors, 2018, 18, 3711.	3.8	20
80	Fast and robust misalignment correction of Fourier ptychographic microscopy for full field of view reconstruction. Optics Express, 2018, 26, 23661.	3.4	38
81	102-nm, 445-MHz inertial-free swept source by mode-locked fiber laser and time stretch technique for optical coherence tomography. Optics Express, 2018, 26, 4370.	3.4	46
82	Learning-based nonparametric autofocusing for digital holography. Optica, 2018, 5, 337.	9.3	180
83	Axial localization using time reversal multiple signal classification in optical scanning holography. Optics Express, 2018, 26, 3756.	3.4	4
84	New autofocus and reconstruction method based on a connected domain. Optics Letters, 2018, 43, 2201.	3.3	13
85	Autofocusing in digital holography using deep learning. , 2018, , .		13
86	Computational imaging and reconstruction in digital holographic microscopy. , 2018, , .		5
87	Speckle suppression using the convolutional neural network with an exponential linear unit. , 2018, , .		4
88	Phase aberration compensation in digital holographic microscopy using regression analysis. , 2018, , .		1
89	Temporal Super-resolution Full Waveform LiDAR. , 2018, , .		1
90	Three-photon fluorescence microscopic imaging by a compact Er-doped fiber laser at 1.6 μm . , 2018, , .		0

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91	End-to-end learning for digital hologram reconstruction. , 2018, , .		5
92	Temporal super-resolution in full waveform lidar. , 2018, , .		0
93	Ultrafast laser-scanning time-stretch imaging at visible wavelengths. Light: Science and Applications, 2017, 6, e16196-e16196.	16.6	125
94	All-passive pixel super-resolution of time-stretch imaging. Scientific Reports, 2017, 7, 44608.	3.3	11
95	Computational single-cell classification using deep learning on bright-field and phase images. , 2017, , .		6
96	Computationally Efficient Hyperspectral Data Learning Based on the Doubly Stochastic Dirichlet Process. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 363-374.	6.3	3
97	Human arm pose modeling with learned features using joint convolutional neural network. Machine Vision and Applications, 2017, 28, 1-14.	2.7	18
98	Teaching Internet of Things: Enhancing learning efficiency via full-semester flipped classroom. , 2017, , .		12
99	Automatic focusing for multisectional objects in digital holography using the structure tensor. Optics Letters, 2017, 42, 1720.	3.3	44
100	Analysis of the noise in backprojection light field acquisition and its optimization. Applied Optics, 2017, 56, F20.	2.1	16
101	Ultrafast and broadband inertia-free swept source for optical coherence tomography. , 2017, , .		1
102	Level-set-based inverse lithography under random field shape uncertainty in a vector Hopkins imaging model. , 2017, , .		0
103	Unsupervised tracking with a low computational cost using the doubly stochastic Dirichlet process mixture model. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-8.	0.4	0
104	Quantitative asymmetric-detection time-stretch optical microscopy (Q-ATOM) for ultrafast quantitative phase imaging flow cytometry (Conference Presentation). , 2016, , .		0
105	Computationally Efficient Truncated Nuclear Norm Minimization for High Dynamic Range Imaging. IEEE Transactions on Image Processing, 2016, 25, 4145-4157.	9.8	38
106	High-throughput time-stretch imaging cellular assay based on a high-speed spinning platform. , 2016, , .		0
107	Sparse Hierarchical Nonparametric Bayesian learning for light field representation and denoising. , 2016, , .		3
108	Fast compressive measurements acquisition using optimized binary sensing matrices for low-light-level imaging. Optics Express, 2016, 24, 9869.	3.4	14

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109	Subsampled scanning holographic imaging (SuSHI) for fast, non-adaptive recording of three-dimensional objects. <i>Optica</i> , 2016, 3, 911.	9.3	38
110	Data-driven light field depth estimation using deep Convolutional Neural Networks. , 2016, , .		3
111	Super-resolution imaging in optical scanning holography using structured illumination. , 2016, , .		3
112	High dynamic range imaging via truncated nuclear norm minimization of low-rank matrix. , 2016, , .		4
113	Impact of photomask shape uncertainties on computational lithography. , 2016, , .		1
114	Incorporating photomask shape uncertainty in computational lithography. , 2016, , .		1
115	An Effective Cloud-Based Simulator Facilitating Learning Analytics on Mobile Devices. <i>Lecture Notes in Educational Technology</i> , 2016, , 175-188.	0.8	0
116	Unsupervised Tracking With the Doubly Stochastic Dirichlet Process Mixture Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 2594-2599.	8.0	13
117	Resolution enhancement of optical scanning holography with a spiral modulated point spread function. <i>Photonics Research</i> , 2016, 4, 1.	7.0	22
118	Extended focused imaging and depth map reconstruction in optical scanning holography. <i>Applied Optics</i> , 2016, 55, 1040.	2.1	39
119	Pixel super-resolution of time-stretch imaging by an equivalent-time sampling concept. , 2016, , .		0
120	High-resolution Fourier hologram synthesis from photographic images through computing the light field. <i>Applied Optics</i> , 2016, 55, 1751.	2.1	15
121	Active, large-scale tuning of optical dispersion by free-space angular-chirp-enhanced delay (FACED). , 2016, , .		1
122	Edge-Preserving Autofocusing in Digital Holography. , 2016, , .		0
123	Enhanced edge extraction using spiral phase plate in optical scanning holography based on Gaussian beam apodization. , 2016, , .		0
124	Computational photography with plenoptic camera and light field capture: tutorial. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 2021.	1.5	90
125	Arbitrary two-dimensional spectrally encoded pattern generation—a new strategy for high-speed patterned illumination imaging. <i>Optica</i> , 2015, 2, 1037.	9.3	22
126	Depth Enhancement of Optical Scanning Holography with a Spiral Phase Plate. , 2015, , .		0

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127	Sparse nonlinear inverse imaging for shot count reduction in inverse lithography. Optics Express, 2015, 23, 26919.	3.4	4
128	Computational techniques to incorporate shot count reduction into inverse lithography. , 2015, , .		0
129	An edge-from-focus approach to 3D inspection and metrology. Proceedings of SPIE, 2015, , .	0.8	0
130	Geological applications of machine learning on hyperspectral remote sensing data. , 2015, , .		0
131	Enhancing educational data mining techniques on online educational resources with a semi-supervised learning approach. , 2015, , .		6
132	Extended focused imaging in a holographic microscopy imaging system. , 2015, , .		0
133	Chromaticâ€dispersionâ€free transmission using timeâ€reversal optical parametric amplifier. Electronics Letters, 2015, 51, 347-349.	1.0	0
134	Developing the PETAL e-Learning Platform for Personalized Teaching and Learning. Lecture Notes in Educational Technology, 2015, , 119-122.	0.8	0
135	Imaging systems and signal recovery: introduction to feature issue. Applied Optics, 2015, 54, IS1.	2.1	7
136	Facial expression recognition using deep neural networks. , 2015, , .		47
137	Defocus noise suppression with combined frame difference and connected component methods in optical scanning holography. Optics Letters, 2015, 40, 4146.	3.3	11
138	Human arm pose modeling with learned features using joint convolutional neural network. , 2015, , .		0
139	An INSPECT Measurement System for Moving Objects. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 63-74.	4.7	12
140	Pixel super-resolution in optical time-stretch microscopy using acousto-optic deflector. , 2015, , .		5
141	Autofocusing of Optical Scanning Holography Based on Entropy Minimization. , 2015, , .		8
142	Edge Extraction Based on Aperture Synthesis in Optical Scanning Holography. , 2015, , .		0
143	Cascadic multigrid algorithm for robust inverse mask synthesis in optical lithography. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2014, 13, 023003.	0.9	10
144	Revisit laser scanning fluorescence microscopy performance under fluorescence-lifetime-limited regime. Proceedings of SPIE, 2014, , .	0.8	0

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145	Maximum likelihood estimation of blood velocity using Doppler optical coherence tomography. Proceedings of SPIE, 2014, , .	0.8	1
146	Binary Sensing Matrix Design for Compressive Imaging Measurements. , 2014, , .		0
147	High-resolution Section Recovery Using a Configurable Pupil in a Scanning Holographic Microscopy. , 2014, , .		0
148	Optical time-stretch microscopy using Bessel spectral shower illumination. , 2014, , .		0
149	Robust and efficient inverse mask synthesis with basis function representation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, B1.	1.5	12
150	Efficient source mask optimization with Zernike polynomial functions for source representation. Optics Express, 2014, 22, 3924.	3.4	19
151	Illumination source optimization in optical lithography via derivative-free optimization. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, B19.	1.5	10
152	Robust source and mask optimization compensating for mask topography effects in computational lithography. Optics Express, 2014, 22, 9471.	3.4	32
153	Enhanced depth resolution in optical scanning holography using a configurable pupil. Photonics Research, 2014, 2, 64.	7.0	27
154	Speed-dependent resolution analysis of ultrafast laser-scanning fluorescence microscopy. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 755.	2.1	5
155	Simultaneous dual-band optical coherence tomography for endoscopic applications. Journal of Biomedical Optics, 2014, 19, 126007.	2.6	7
156	Interferometric time-stretch microscopy for ultrafast quantitative cellular and tissue imaging at $1\frac{1}{4}$ m. Journal of Biomedical Optics, 2014, 19, 076001.	2.6	65
157	Maximum Likelihood Doppler Frequency Estimation Under Decorrelation Noise for Quantifying Flow in Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2014, 33, 1313-1323.	8.9	9
158	A new framework of concept clustering and learning path optimization to develop the next-generation e-learning systems. Journal of Computers in Education, 2014, 1, 335-352.	8.3	25
159	Two-dimensional spectral-encoding for high speed arbitrary patterned illumination. , 2014, , .		0
160	Joint optimization of source, mask, and pupil in optical lithography. Proceedings of SPIE, 2014, , .	0.8	5
161	Signal reduction in fluorescence imaging using radio frequency-multiplexed excitation by compressed sensing. Proceedings of SPIE, 2014, , .	0.8	1
162	Facilitating a personalized learning environment through learning analytics on mobile devices. , 2014, , .		2

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163	Asymmetric-detection time-stretch optical microscopy (ATOM) for ultrafast high-contrast cellular imaging in flow. Scientific Reports, 2014, 4, 3656.	3.3	83
164	Reducing the acquisition time of optical scanning holography by compressed sensing. , 2014, , .		4
165	Efficient Autofocusing in Optical Scanning Holography. , 2014, , .		0
166	Computational Sectioning and Resolution Enhancement in Optical Scanning Holography. , 2014, , .		1
167	Comparison of Kasai Autocorrelation and Maximum Likelihood Estimators for Doppler Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2013, 32, 1033-1042.	8.9	20
168	Model Order Reduction for Neutral Systems by Moment Matching. Circuits, Systems, and Signal Processing, 2013, 32, 1039-1063.	2.0	16
169	Applying an Evolutionary Approach for Learning Path Optimization in the Next-Generation E-Learning Systems. , 2013, , .		1
170	A three-dimensional imaging system for surface profilometry of moving objects. , 2013, , .		4
171	Iterative solution to linear matrix inequality arising from time delay descriptor systems. Applied Mathematics and Computation, 2013, 219, 4176-4184.	2.2	4
172	Using Cloud Computing and Mobile Devices to Facilitate Students' Learning through E-Learning Games. , 2013, , .		4
173	Doppler frequency estimators under additive and multiplicative noise. Proceedings of SPIE, 2013, , .	0.8	1
174	Depth resolution enhancement in double-detection optical scanning holography. Applied Optics, 2013, 52, 3079.	1.8	21
175	Interferometric time-stretch microscopy for ultrafast quantitative cellular imaging at 1 μm . , 2013, , .		1
176	Efficient source and mask optimization with augmented Lagrangian methods in optical lithography. Optics Express, 2013, 21, 8076.	3.4	55
177	Speckle reduction of retinal optical coherence tomography based on contourlet shrinkage. Optics Letters, 2013, 38, 2900.	3.3	45
178	An elliptic phase-shift algorithm for high speed three-dimensional profilometry. Proceedings of SPIE, 2013, , .	0.8	0
179	Level-set-based inverse lithography for mask synthesis using the conjugate gradient and an optimal time step. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, .	1.2	36
180	(Invited) Efficient Mask Synthesis with Augmented Lagrangian Methods in Computational Lithography. ECS Transactions, 2013, 52, 163-168.	0.5	1

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181	Wavelet domain compounding for speckle reduction in optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 096002.	2.6	17
182	Building an Interactive Simulator on a Cloud Computing Platform to Enhance Students' Understanding of Computer Systems. , 2013, , .		3
183	Block-based compressive low-light-level imaging. , 2013, , .		2
184	Fast single frame super-resolution using scale-invariant self-similarity. , 2013, , .		3
185	Guest Editorial Computational and Smart Cameras. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 121-124.	3.6	2
186	A polynomial phase-shift algorithm for high precision three-dimensional profilometry. , 2013, , .		2
187	Computational Imaging Technology for Nanolithography. , 2013, , .		0
188	Efficient source mask optimization with Zernike polynomial function-based source representation. , 2013, , .		0
189	Ultrafast high-contrast microfluidic cellular imaging by asymmetric-detection time-stretch optical microscopy (ATOM). , 2013, , .		0
190	Illumination-invariant phase-shifting algorithm for three-dimensional profilometry of a moving object. Optical Engineering, 2012, 51, 097001-1.	1.0	3
191	Hotspot-Aware Robust Mask Design with Inverse Lithography. ECS Transactions, 2012, 44, 197-202.	0.5	2
192	Image reconstruction from nonuniformly spaced samples in spectral-domain optical coherence tomography. Biomedical Optics Express, 2012, 3, 741.	2.9	11
193	High-resolution lightfield photography using two masks. Optics Express, 2012, 20, 10971.	3.4	33
194	Hotspot-aware fast source and mask optimization. Optics Express, 2012, 20, 21792.	3.4	31
195	Object reconstruction in block-based compressive imaging. Optics Express, 2012, 20, 22102.	3.4	35
196	Speckle reduction of endovascular optical coherence tomography using a generalized divergence measure. Optics Letters, 2012, 37, 2871.	3.3	10
197	Regularized multiframe phase-shifting algorithm for three-dimensional profilometry. Applied Optics, 2012, 51, 33.	1.8	13
198	Multiple-image encryption by compressive holography. Applied Optics, 2012, 51, 1000.	1.8	44

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199	A high-resolution lightfield camera with dual-mask design. , 2012, , .		16
200	Nonlinear image reconstruction in block-based compressive imaging. , 2012, , .		0
201	Band-stop filter effect of multiple slots in mobile phone antennas. , 2012, , .		0
202	High-speed spectroscopic OCT around 1550 nm based on dual-band swept laser source. , 2012, , .		0
203	Image reconstruction from nonuniformly spaced samples in Fourier domain optical coherence tomography. , 2012, , .		1
204	An illumination-invariant phase-shifting algorithm for three-dimensional profilometry. , 2012, , .		2
205	Dual-Band Time-Multiplexing Swept-Source Optical Coherence Tomography Based on Optical Parametric Amplification. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1287-1292.	2.9	13
206	Mobile-Phone Antenna Design. IEEE Antennas and Propagation Magazine, 2012, 54, 14-34.	1.4	135
207	A Robust Computational Algorithm for Inverse Photomask Synthesis in Optical Projection Lithography. SIAM Journal on Imaging Sciences, 2012, 5, 625-651.	2.2	12
208	Teaching introductory electrical engineering: Project-based learning experience. , 2012, , .		14
209	Tuning the band-stop filter effect in mobile phone antennas. , 2012, , .		0
210	Multiple Frequency Band and High Isolation Mobile Device Antennas Using a Capacitive Slot. IEEE Transactions on Antennas and Propagation, 2012, 60, 3576-3582.	5.1	19
211	Toward a Complete E-learning System Framework for Semantic Analysis, Concept Clustering and Learning Path Optimization. , 2012, , .		16
212	Optimal doppler frequency estimators for ultrasound and optical coherence tomography. , 2012, , .		2
213	Dual-Band FDML laser for Swept Source Spectroscopic OCT. , 2012, , .		1
214	Enhancing Learning Paths with Concept Clustering and Rule-Based Optimization. , 2011, , .		10
215	Depth resolution enhancement in optical scanning holography with a dual-wavelength laser source. Applied Optics, 2011, 50, H285.	2.1	22
216	Robust level-set-based inverse lithography. Optics Express, 2011, 19, 5511.	3.4	66

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217	Pixelated source mask optimization for process robustness in optical lithography. Optics Express, 2011, 19, 19384.	3.4	80
218	Three-dimensional surface recovery with a regularized multi-frame phase shift algorithm. , 2011, , .		2
219	Liquid-immersion laser micromachining of GaN grown on sapphire. Applied Physics A: Materials Science and Processing, 2011, 102, 441-447.	2.3	19
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