Demetri Psaltis

List of Publications by Year
in descending order

255 papers	13,670 citations	28242 55 h-index	22808 112 g-index
257 all docs	257 docs citations	257 times ranked	10879 citing authors

#	Article	IF	Citations
1	Developing optofluidic technology through the fusion of microfluidics and optics. Nature, 2006, 442, 381-386.	13.7	1,779
2	Optical phase conjugation for turbidity suppression in biological samples. Nature Photonics, 2008, 2, 110-115.	15.6	629
3	Heterogenous Catalysis Mediated by Plasmon Heating. Nano Letters, 2009, 9, 4417-4423.	4.5	423
4	Inference in artificial intelligence with deep optics and photonics. Nature, 2020, 588, 39-47.	13.7	418
5	Adaptive optical networks using photorefractive crystals. Applied Optics, 1988, 27, 1752.	2.1	403
6	Focusing and scanning light through a multimode optical fiber using digital phase conjugation. Optics Express, 2012, 20, 10583.	1.7	341
7	Single mode optofluidic distributed feedback dye laser. Optics Express, 2006, 14, 696.	1.7	335
8	Learning approach to optical tomography. Optica, 2015, 2, 517.	4.8	332
9	High-resolution, lensless endoscope based on digital scanning through a multimode optical fiber. Biomedical Optics Express, 2013, 4, 260.	1.5	277
10	Learning to see through multimode fibers. Optica, 2018, 5, 960.	4.8	274
11	Optofluidic microscopy—a method for implementing a high resolution optical microscope on a chip. Lab on A Chip, 2006, 6, 1274-1276.	3.1	272
12	Optofluidics for energy applications. Nature Photonics, 2011, 5, 583-590.	15.6	266
13	Lensless high-resolution on-chip optofluidic microscopes for <i>Caenorhabditis elegans</i> and cell imaging. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10670-10675.	3.3	263
14	Nanofluidic tuning of photonic crystal circuits. Optics Letters, 2006, 31, 59.	1.7	235
15	Nonlinear Optical Properties of Core-Shell Nanocavities for Enhanced Second-Harmonic Generation. Physical Review Letters, 2010, 104, 207402.	2.9	224
16	Hollow Mesoporous Plasmonic Nanoshells for Enhanced Solar Vapor Generation. Nano Letters, 2016, 16, 2159-2167.	4.5	223
17	Holography in artificial neural networks. Nature, 1990, 343, 325-330.	13.7	221
18	Multimode optical fiber transmission with a deep learning network. Light: Science and Applications, 2018, 7, 69.	7.7	221

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19	Pneumatically tunable optofluidic 2 Ã— 2 switch for reconfigurable optical circuit. Lab on A Chip, 2011, 11, 2397.	3.1	218
20	Imaging through turbid layers by scanning the phase conjugated second harmonic radiation from a nanoparticle. Optics Express, 2010, 18, 20723.	1.7	213
21	Image Normalization by Complex Moments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 46-55.	9.7	195
22	A multi-color fast-switching microfluidic droplet dye laser. Lab on A Chip, 2009, 9, 2767.	3.1	177
23	Digital phase conjugation of second harmonic radiation emitted by nanoparticles in turbid media. Optics Express, 2010, 18, 12283.	1.7	171
24	Three-dimensional harmonic holographic microcopy using nanoparticles as probes for cell imaging. Optics Express, 2009, 17, 2880.	1.7	167
25	Real-time computer-generated hologram by means of liquid-crystal television spatial light modulator. Optics Letters, 1986, 11, 748.	1.7	145
26	Optofluidic dye lasers. Microfluidics and Nanofluidics, 2008, 4, 145-158.	1.0	143
27	Design and cost considerations for practical solar-hydrogen generators. Energy and Environmental Science, 2014, 7, 3828-3835.	15.6	140
28	Optical Tomographic Image Reconstruction Based on Beam Propagation and Sparse Regularization. IEEE Transactions on Computational Imaging, 2016, 2, 59-70.	2.6	140
29	Magnifying perfect lens and superlens design by coordinate transformation. Physical Review B, 2008, 77, .	1.1	132
30	Digital confocal microscopy through a multimode fiber. Optics Express, 2015, 23, 23845.	1.7	132
31	Mechanically tunable optofluidic distributed feedback dye laser. Optics Express, 2006, 14, 10494.	1.7	128
32	Volume holographic interconnections with maximal capacity and minimal cross talk. Journal of Applied Physics, 1989, 65, 2191-2194.	1.1	122
33	Liquid-crystal blazed-grating beam deflector. Applied Optics, 2000, 39, 6545.	2.1	106
34	Precision Intracellular Delivery Based on Optofluidic Polymersome Rupture. ACS Nano, 2012, 6, 7850-7857.	7.3	101
35	Dynamic bending compensation while focusing through a multimode fiber. Optics Express, 2013, 21, 22504.	1.7	99
36	Two-photon imaging through a multimode fiber. Optics Express, 2015, 23, 32158.	1.7	97

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37	Imaging blood cells through scattering biological tissue using speckle scanning microscopy. Optics Express, 2014, 22, 3405.	1.7	96
38	Bioconjugation of barium titanate nanocrystals with immunoglobulin G antibody for second harmonic radiation imaging probes. Biomaterials, 2010, 31, 2272-2277.	5.7	94
39	Delivery of focused short pulses through a multimode fiber. Optics Express, 2015, 23, 9109.	1.7	93
40	Coherent Optical Information Systems. Science, 2002, 298, 1359-1363.	6.0	91
41	A membrane-less electrolyzer for hydrogen production across the pH scale. Energy and Environmental Science, 2015, 8, 2003-2009.	15.6	91
42	Solar-to-Hydrogen Production at 14.2% Efficiency with Silicon Photovoltaics and Earth-Abundant Electrocatalysts. Journal of the Electrochemical Society, 2016, 163, F1177-F1181.	1.3	85
43	Lithium niobate nanowires synthesis, optical properties, and manipulation. Applied Physics Letters, 2009, 95, 143105.	1.5	82
44	A versatile and membrane-less electrochemical reactor for the electrolysis of water and brine. Energy and Environmental Science, 2019, 12, 1592-1604.	15.6	80
45	Harmonic holography: a new holographic principle. Applied Optics, 2008, 47, A103.	2.1	79
46	High-fidelity optical diffraction tomography of multiple scattering samples. Light: Science and Applications, 2019, 8, 82.	7.7	77
47	A microfluidic 2×2 optical switch. Applied Physics Letters, 2004, 85, 6119-6121.	1.5	76
48	Scalable optical learning operator. Nature Computational Science, 2021, 1, 542-549.	3.8	67
49	Optofluidic evanescent dye laser based on a distributed feedback circular grating. Applied Physics Letters, 2009, 94, 161110.	1.5	66
50	Optical Computing: Past and Future. Optics and Photonics News, 2016, 27, 32.	0.4	64
51	Reverse propagation of femtosecond pulses in optical fibers. Optics Letters, 2003, 28, 1873.	1.7	61
52	Holographic recording of fast phenomena. Applied Physics Letters, 2002, 80, 731-733.	1.5	58
53	Superoscillatory diffraction-free beams. Optics Letters, 2011, 36, 4335.	1.7	58
54	Imaging with second-harmonic radiation probes in living tissue. Biomedical Optics Express, 2011, 2, 2532.	1.5	57

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55	Low-order distributed feedback optofluidic dye laser with reduced threshold. Applied Physics Letters, 2009, 94, .	1.5	56
56	Effect of annealing in two-center holographic recording. Applied Physics Letters, 1999, 74, 3767-3769.	1.5	55
57	Inkjet Printing of Viscous Monodisperse Microdroplets by Laser-Induced Flow Focusing. Physical Review Applied, 2016, 6, .	1.5	55
58	Ionic and electronic dark decay of holograms in LiNbO3:Fe crystals. Applied Physics Letters, 2001, 78, 4076-4078.	1.5	54
59	Generalizing Smoothness Constraints from Discrete Samples. Neural Computation, 1990, 2, 188-197.	1.3	51
60	Second harmonic generation from nanocrystals under linearly and circularly polarized excitations. Optics Express, 2010, 18, 11917.	1.7	49
61	Nanoimprinted circular grating distributed feedback dye laser. Applied Physics Letters, 2007, 91, .	1.5	47
62	Bend translation in multimode fiber imaging. Optics Express, 2017, 25, 6263.	1.7	47
63	Imaging through multimode fibers using deep learning: The effects of intensity versus holographic recording of the speckle pattern. Optical Fiber Technology, 2019, 52, 101985.	1.4	47
64	Actor neural networks for the robust control of partially measured nonlinear systems showcased for image propagation through diffuse media. Nature Machine Intelligence, 2020, 2, 403-410.	8.3	46
65	Pneumatically tunable optofluidic dye laser. Applied Physics Letters, 2010, 96, .	1.5	44
66	Three-dimensional scanning microscopy through thin turbid media. Optics Express, 2012, 20, 2500.	1.7	44
67	Learning from droplet flows in microfluidic channels using deep neural networks. Scientific Reports, 2019, 9, 8114.	1.6	44
68	Polarization-sensitive optical diffraction tomography. Optica, 2021, 8, 402.	4.8	43
69	Calibration-free imaging through a multicore fiber using speckle scanning microscopy. Optics Letters, 2016, 41, 3078.	1.7	41
70	Digital staining through the application of deep neural networks to multi-modal multi-photon microscopy. Biomedical Optics Express, 2019, 10, 1339.	1.5	41
71	Coherent Anti-Stokes Raman Holography for Chemically Selective Single-Shot Nonscanning 3D Imaging. Physical Review Letters, 2010, 104, 093902.	2.9	40
72	All-optical switching in an optofluidic polydimethylsiloxane: Liquid crystal grating defined by cast-molding. Applied Physics Letters, 2010, 96, 131112.	1.5	40

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73	Optofluidic pressure sensor based on interferometric imaging. Optics Letters, 2010, 35, 3604.	1.7	40
74	Human audiometric thresholds do not predict specific cellular damage in the inner ear. Hearing Research, 2016, 335, 83-93.	0.9	40
75	Optical-resolution photoacoustic microscopy by use of a multimode fiber. Applied Physics Letters, 2013, 102, .	1.5	38
76	Light control in a multicore fiber using the memory effect. Optics Express, 2015, 23, 30532.	1.7	38
77	Dynamics of filament formation in a Kerr medium. Physical Review A, 2005, 71, .	1.0	37
78	Elastomer based tunable optofluidic devices. Lab on A Chip, 2012, 12, 3590.	3.1	37
79	Vapor-fed microfluidic hydrogen generator. Lab on A Chip, 2015, 15, 2287-2296.	3.1	37
80	STED imaging of green fluorescent nanodiamonds containing nitrogen-vacancy-nitrogen centers. Biomedical Optics Express, 2016, 7, 34.	1.5	36
81	Phase‐locked sustainment of photorefractive holograms using phase conjugation. Journal of Applied Physics, 1991, 70, 4646-4648.	1.1	35
82	Versatile reconstruction framework for diffraction tomography with intensity measurements and multiple scattering. Optics Express, 2018, 26, 2749.	1.7	35
83	Three-Dimensional Optical Diffraction Tomography With Lippmann-Schwinger Model. IEEE Transactions on Computational Imaging, 2020, 6, 727-738.	2.6	35
84	Selective femtosecond laser ablation via two-photon fluorescence imaging through a multimode fiber. Biomedical Optics Express, 2019, 10, 423.	1.5	35
85	Holographic capture of femtosecond pulse propagation. Journal of Applied Physics, 2006, 100, 063104.	1.1	34
86	Superhydrophobic bull's-eye for surface-enhanced Raman scattering. Lab on A Chip, 2014, 14, 3907-3911.	3.1	34
87	Optofluidic membrane interferometer: An imaging method for measuring microfluidic pressure and flow rate simultaneously on a chip. Biomicrofluidics, 2011, 5, 44110-4411011.	1.2	33
88	Increasing the imaging capabilities of multimode fibers by exploiting the properties of highly scattering media. Optics Letters, 2013, 38, 2776.	1.7	31
89	Confocal microscopy through a multimode fiber using optical correlation. Optics Letters, 2015, 40, 5754.	1.7	31
90	Imaging with Multimode Fibers. Optics and Photonics News, 2016, 27, 24.	0.4	31

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91	Inertial manipulation of bubbles in rectangular microfluidic channels. Lab on A Chip, 2018, 18, 1035-1046.	3.1	30
92	Resolution enhancement in nonlinear scanning microscopy through post-detection digital computation. Optica, 2014, 1, 455.	4.8	29
93	Single-photon three-dimensional microfabrication through a multimode optical fiber. Optics Express, 2018, 26, 1766.	1.7	29
94	Three-dimensional tomography of red blood cells using deep learning. Advanced Photonics, 2020, 2, 1.	6.2	29
95	Optical detection of asymmetric bacteria utilizing electro orientation. Optics Express, 2006, 14, 9780.	1.7	28
96	Lensless two-photon imaging through a multicore fiber with coherence-gated digital phase conjugation. Journal of Biomedical Optics, 2016, 21, 045002.	1.4	28
97	Three-dimensional microfabrication through a multimode optical fiber. Optics Express, 2017, 25, 7031.	1.7	28
98	Electrically tunable optofluidic light switch for reconfigurable solar lighting. Lab on A Chip, 2013, 13, 2708.	3.1	27
99	Polymer derived silicon oxycarbide ceramic monoliths: Microstructure development and associated materials properties. Ceramics International, 2018, 44, 20961-20967.	2.3	26
100	Modulational instability in nonlinearity-managed optical media. Physical Review A, 2007, 75, .	1.0	25
101	Digital confocal microscope. Optics Express, 2012, 20, 22720.	1.7	24
102	Fabrication of Sub-Micron Polymer Waveguides through Two-Photon Polymerization in Polydimethylsiloxane. Polymers, 2020, 12, 2485.	2.0	24
103	Additive micro-manufacturing of crack-free PDCs by two-photon polymerization of a single, low-shrinkage preceramic resin. Additive Manufacturing, 2020, 35, 101343.	1.7	24
104	A membrane-less electrolyzer with porous walls for high throughput and pure hydrogen production. Sustainable Energy and Fuels, 2021, 5, 2419-2432.	2.5	23
105	Photoinitiator-free multi-photon fabrication of compact optical waveguides in polydimethylsiloxane. Optical Materials Express, 2019, 9, 128.	1.6	22
106	High power, ultrashort pulse control through a multi-core fiber for ablation. Optics Express, 2017, 25, 11491.	1.7	21
107	High speed, complex wavefront shaping using the digital micro-mirror device. Scientific Reports, 2021, 11, 18837.	1.6	21
108	Two-photon microscopy of the mouse cochlea *in situ* for cellular diagnosis. Journal of Biomedical Optics, 2012, 18, 031104.	1.4	20

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109	Towards new applications using capillary waveguides. Biomedical Optics Express, 2015, 6, 4619.	1.5	20
110	Optical-resolution photoacoustic imaging through thick tissue with a thin capillary as a dual optical-in acoustic-out waveguide. Applied Physics Letters, 2015, 106, .	1.5	20
111	Learning Tomography Assessed Using Mie Theory. Physical Review Applied, 2018, 9, .	1.5	20
112	Fluorescence-Based and Fluorescent Label-Free Characterization of Polymer Nanoparticle Decorated T Cells. Biomacromolecules, 2021, 22, 190-200.	2.6	20
113	Reusability report: Predicting spatiotemporal nonlinear dynamics in multimode fibre optics with a recurrent neural network. Nature Machine Intelligence, 2021, 3, 387-391.	8.3	20
114	Digital reverse propagation in focusing Kerr media. Physical Review A, 2011, 83, .	1.0	19
115	Computer generated optical volume elements by additive manufacturing. Nanophotonics, 2020, 9, 4173-4181.	2.9	19
116	Inline holographic coherent anti-Stokes Raman microscopy. Optics Express, 2010, 18, 8213.	1.7	18
117	Holographic grating formation in a colloidal suspension of silver nanoparticles. Optics Letters, 2006, 31, 447.	1.7	17
118	Silicon oxide deposition for enhanced optical switching in polydimethylsiloxane-liquid crystal hybrids. Optics Express, 2011, 19, 23532.	1.7	17
119	Holographic coherent anti-Stokes Raman scattering bio-imaging. Biomedical Optics Express, 2012, 3, 1744.	1.5	17
120	Enhanced resolution in a multimode fiber imaging system. Optics Express, 2015, 23, 27484.	1.7	16
121	Surgical Anatomy of the Human Round Window Region. Otology and Neurotology, 2016, 37, 1189-1194.	0.7	16
122	Deep Learning-Based Image Classification through a Multimode Fiber in the Presence of Wavelength Drift. Applied Sciences (Switzerland), 2020, 10, 3816.	1.3	16
123	Imaging based optofluidic air flow meter with polymer interferometers defined by soft lithography. Optics Express, 2010, 18, 16561.	1.7	15
124	Huygens–Fresnel diffraction and evanescent waves. Optics Communications, 2011, 284, 1686-1689.	1.0	15
125	Solar thermal harvesting for enhanced photocatalytic reactions. Physical Chemistry Chemical Physics, 2014, 16, 5137.	1.3	15
126	Learning to image and compute with multimode optical fibers. Nanophotonics, 2022, 11, 1071-1082.	2.9	15

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127	The fog clears. Nature, 2012, 491, 197-198.	13.7	14
128	Seeing through turbidity with harmonic holography [Invited]. Applied Optics, 2013, 52, 567.	0.9	14
129	Multiple contrast metrics from the measurements of a digital confocal microscope. Biomedical Optics Express, 2013, 4, 1091.	1.5	14
130	A micropillar array for sample concentration via in-plane evaporation. Biomicrofluidics, 2014, 8, 044108.	1.2	14
131	Isotropic inverse-problem approach for two-dimensional phase unwrapping. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1092.	0.8	14
132	Raman imaging through multimode sapphire fiber. Optics Express, 2019, 27, 1090.	1.7	14
133	In Vitro Cytocompatibility Assessment of Ti-Modified, Silicon-oxycarbide-Based, Polymer-Derived, Ceramic-Implantable Electrodes under Pacing Conditions. ACS Applied Materials & Interfaces, 2020, 12, 17244-17253.	4.0	13
134	Predicting optical transmission through complex scattering media from reflection patterns with deep neural networks. Optics Communications, 2021, 492, 126968.	1.0	13
135	Imaging in focusing Kerr media using reverse propagation [Invited]. Photonics Research, 2013, 1, 96.	3.4	12
136	COHERENT ANTI-STOKES RAMAN SCATTERING HOLOGRAPHY: THEORY AND EXPERIMENT. Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250028.	1.1	10
137	Competitive photonic neural networks. Nature Photonics, 2021, 15, 323-324.	15.6	10
138	Subsurface ablation of atherosclerotic plaque using ultrafast laser pulses. Biomedical Optics Express, 2015, 6, 2552.	1.5	9
139	A method for assessing the fidelity of optical diffraction tomography reconstruction methods using structured illumination. Optics Communications, 2020, 454, 124486.	1.0	8
140	Double grating formation in anisotropic photorefractive crystals. Journal of Applied Physics, 1992, 71, 1394-1400.	1.1	7
141	Optofluidic Microring Dye Laser. LEOS Summer Topical Meeting, 2007, , .	0.0	7
142	Photonic waveguide bundles using 3D laser writing and deep neural network image reconstruction. Optics Express, 2022, 30, 2564.	1.7	7
143	A 25.1% Efficient Standâ€Alone Solar Chloralkali Generator Employing a Microtracking Solar Concentrator. Global Challenges, 2017, 1, 1700095.	1.8	6
144	Editors' Choiceâ€"Solar-Electrochemical Platforms for Sodium Hypochlorite Generation in Developing Countries. Journal of the Electrochemical Society, 2019, 166, E336-E346.	1.3	6

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145	Adaptive Regularization for Three-Dimensional Optical Diffraction Tomography. , 2020, , .		6
146	The Impact of Surfactants on the Inertial Separation of Bubbles in Microfluidic Electrolyzers. Journal of the Electrochemical Society, 2020, 167, 134504.	1.3	6
147	Network Synthesis through Data-Driven Growth and Decay. Neural Networks, 1997, 10, 1133-1141.	3.3	5
148	Optical parametric generation in periodically poled KTiOPO4 via extended phase matching. Applied Physics Letters, 2007, 91, 131120.	1.5	5
149	Digital holographic confocal microscope. , 2013, , .		5
150	Optical Diffraction Tomography Using Nearly In-Line Holography with a Broadband LED Source. Applied Sciences (Switzerland), 2022, 12, 951.	1.3	5
151	Characterization of the cytotoxicity and imaging properties of second-harmonic nanoparticles. Proceedings of SPIE, 2010, , .	0.8	4
152	3D reconstruction of weakly scattering objects from 2D intensity-only measurements using the Wolf transform. Optics Express, 2021, 29, 3976.	1.7	4
153	Mass storage for digital optical computers. , 1990, 10257, 158.		3
154	Focused light delivery and all optical scanning from a multimode optical fiber using digital phase conjugation. , 2013, , .		3
155	Complex pattern projection through a multimode fiber. Proceedings of SPIE, 2015, , .	0.8	3
156	Imaging using multimode fibers. , 2013, , .		3
157	Imaging hair cells through laser-ablated cochlear bone. Biomedical Optics Express, 2019, 10, 5974.	1.5	3
158	Harmonic Holography. Advances in Imaging and Electron Physics, 2010, , 75-112.	0.1	2
159	Second harmonic nanoparticles in imaging applications. Proceedings of SPIE, 2011, , .	0.8	2
160	Improving the quality of filament-impaired images in Kerr media by statistical averaging. Optics Express, 2015, 23, 431.	1.7	2
161	Optofluidics of plants. APL Photonics, 2016, 1, .	3.0	2
162	Laser-assisted inkjet printing of highly viscous fluids with sub-nozzle resolution. Proceedings of SPIE, 2016, , .	0.8	2

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163	Multiple speckle illumination for optical-resolution photoacoustic imaging. Proceedings of SPIE, 2017, , .	0.8	2
164	Holography in artificial neural networks. , 1995, , 541-546.		2
165	Efficient Image Classification through a Multimode Fiber using Deep Neural Networks in presence of Wavelength Drifting. , 2019, , .		2
166	Novel tuning method for optofluidics. , 2009, , .		1
167	Tuning parameters of metal ion implantation within a microfluidic channel. Proceedings of SPIE, 2010, , .	0.8	1
168	Optofluidics. , 2011, , .		1
169	Imaging of the Mouse Cochlea with Two-photon Microscopy and Multimode Fiber-based Microendoscopy. , 2014, , .		1
170	A Learning Approach to Optical Tomography. , 2015, , .		1
171	Imaging with Multi-mode Fibers. , 2015, , .		1
172	Ultrafast laser ablation for targeted atherosclerotic plaque removal. , 2015, , .		1
173	Confocal microscopy via multimode fibers: fluorescence bandwidth. Proceedings of SPIE, 2016, , .	0.8	1
174	Complex light in 3D printing. , 2016, , .		1
175	Optical Tomography based on a nonlinear model that handles multiple scattering. , 2017, , .		1
176	Integrated Platform for Multi-resolution Additive Manufacturing. , 2018, , 145-151.		1
177	Wavelength Independent Image Classification through a Multimode Fiber using Deep Neural Networks. , 2019, , .		1
178	10.1063/1.3324885.1. , 2010, , .		1
179	Focusing and scanning of femtosecond pulses through a multimode fiber: applications in two-photon imaging and polymerization. , 2016, , .		1
180	Seeing through Multimode Fibers with Deep Learning. , 2018, , .		1

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181	Deep neural networks for seeing through multimode fibers. , 2019, , .		1
182	Digital holography of second harmonic signal. , 2006, , .		0
183	Holographic grating formation in silver nanoparticle suspensions. , 2006, , .		0
184	Optofluidic distributed feedback dye laser. , 2006, , .		0
185	Rapid broad spectrum bacterial detection using electromagnetic cellular polarization and optical scattering. , 2006, , .		0
186	Quantum temporal imaging. , 2006, , .		0
187	Nano-aperture array based optical imaging system on a microfluidic chip. , 2006, , .		0
188	Ultrafast Mirrorless Optical Parametric Oscillator in Periodically Poled KTiOPO<inf>4</inf> via Extended Phase Matching. , 2007, , .		0
189	Nonlinearity management in optics. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2030029-2030030.	0.2	0
190	Optofluidic evanescent dye laser. , 2009, , .		0
191	Ultrasensitive second harmonic generation nanoprobes via plasmonic coreshell structures. , 2009, , .		0
192	Tunable optofluidic dye laser with integrated air-gap etalon. , 2010, , .		0
193	Pressure mediated tunable elastomeric optofluidic devices. , 2010, , .		0
194	Optofluidic applications with lithium niobate nanowires. , 2010, , .		0
195	Second-harmonic nanoparticles for deep tissue in vivo imaging. , 2011, , .		0
196	Second harmonic nanoparticles in biological imaging. , 2011, , .		0
197	Imaging in focusing Kerr media using digital reverse propagation. , 2011, , .		0
198	Three-Dimensional Mapping of Transparent Objects Using Kerr Nonlinearity Measurement. , 2012, , .		0

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199	Optofluidic devices and applications. , 2012, , .		0
200	CARS holography. , 2013, , .		0
201	In situ imaging of the mouse cochlea using two-photon microscopy. , 2013, , .		0
202	Microscopy with multimode fibers. Proceedings of SPIE, 2013, , .	0.8	0
203	Effect of Solar Thermal Energy on Photoreactions' Rate. , 2014, , .		0
204	Design principles of deployable solar-hydrogen generators. , 2014, , .		0
205	Delivery of an ultrashort spatially focused pulse to the other end of a multimode fiber using digital phase conjugation. , 2015, , .		0
206	Time-gated digital phase conjugation for two-photon excitation microscopy through multimode optical fibers. , 2015, , .		0
207	Delivery of ultrashort spatially focused pulses through a multimode fiber. , 2015, , .		0
208	Delivery of ultrashort spatially focused pulses through a multimode fiber for two photon endoscopic imaging. Proceedings of SPIE, 2015, , .	0.8	0
209	Digital confocal microscopy through a multimode fiber. , 2015, , .		0
210	Two-photon fluorescence imaging through multicore fiber with digital phase conjugation. Proceedings of SPIE, 2016, , .	0.8	0
211	Second-harmonic radiating imaging probes and harmonic holography. Proceedings of SPIE, 2016, , .	0.8	0
212	Two-photon excitation endoscopy through a multimode optical fiber. Proceedings of SPIE, 2016, , .	0.8	0
213	Fluorescence and optical-resolution photoacoustic imaging through capillary waveguides. , 2016, , .		0
214	Ultrashort pulse laser ablation through a multi-core fiber. , 2017, , .		0
215	Imaging and pattern projection through multicore fibers using the memory effect. , 2017, , .		0
216	Assessment of the advantages of learning tomography over conventional linear optical tomography. , 2017, , .		0

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217	Solar-vapor generation with 69% energy conversion efficiency in hollow-mesoporous plasmonic nanoshells. , 2017, , .		0
218	Efficient Solar-Vapor Generation in Hollow-Mesoporous Plasmonic Nanoshells. , 2018, , .		0
219	Transmission in Multimode Fiber with Deep Learning. , 2018, , .		0
220	Multi-Photon Fabrication of Ultra-Compact Optical Waveguides in Polydimethylsiloxane. , 2018, , .		0
221	Phaseless diffraction tomography with regularized beam propagation. , 2018, , .		0
222	Image Transmission Through Multimode Fibers. , 2018, , .		0
223	Learning Spatiotemporal Nonlinearities in Graded-Index Multimode Fibers with Deep Neural Networks. , 2019, , .		0
224	Spectral and Spatial Shaping of Spatiotemporal Nonlinearities in Multimode Fibers. , 2020, , .		0
225	Computational optical imaging goes viral. APL Photonics, 2020, 5, 030401.	3.0	0
226	Full characterization of partially measured systems with neural networks. , 2021, , .		0
227	Spatial self-beam cleaning in spatiotemporally mode-locked fiber lasers. , 2021, , .		0
228	Optical computing with spatiotemporal fiber nonlinearities. , 2021, , .		0
229	High-resolution microfabrication through a graded-index multimode optical fiber. , 2021, , .		0
230	Multiphoton-induced polymerization in the fabrication of optical waveguides in polydimethylsiloxane. , 2021, , .		0
231	Imaging Through Turbidity by Phase-Conjugate Scanning Microscope Using Second-Harmonic Beacon Nanoparticles. , 2011, , .		0
232	Three-dimensional scanning microscopy through turbid media. , 2012, , .		0
233	Recent Advances in Imaging through Scattering Media. , 2012, , .		0
234	Multimode fiber based endoscope. , 2013, , .		0

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