# Demetri Psaltis

## List of Publications by Citations



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|---|---|---|---|
| 169 papers | 9,632 citations | 48 h-index | 95 g-index |
| 257 ext. papers | 12,304 ext. citations | 7.1 avg, IF | 6.49 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 169 | Developing optofluidic technology through the fusion of microfluidics and optics. *Nature*, **2006**, 442, 381-6 | 50.4 | 1385 |
| 168 | OPTICAL PHASE CONJUGATION FOR TURBIDITY SUPPRESSION IN BIOLOGICAL SAMPLES. *Nature Photonics*, **2008**, 2, 110-115 | 33.9 | 422 |
| 167 | Heterogenous catalysis mediated by plasmon heating. *Nano Letters*, **2009**, 9, 4417-23 | 11.5 | 380 |
| 166 | Adaptive optical networks using photorefractive crystals. *Applied Optics*, **1988**, 27, 1752-9 | 1.7 | 297 |
| 165 | Single mode optofluidic distributed feedback dye laser. *Optics Express*, **2006**, 14, 696-701 | 3.3 | 228 |
| 164 | Lensless high-resolution on-chip optofluidic microscopes for Caenorhabditis elegans and cell imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 10670-5 | 11.5 | 226 |
| 163 | Focusing and scanning light through a multimode optical fiber using digital phase conjugation. *Optics Express*, **2012**, 20, 10583-90 | 3.3 | 224 |
| 162 | Optofluidics for energy applications. *Nature Photonics*, **2011**, 5, 583-590 | 33.9 | 223 |
| 161 | Learning approach to optical tomography. *Optica*, **2015**, 2, 517 | 8.6 | 219 |
| 160 | Nonlinear optical properties of core-shell nanocavities for enhanced second-harmonic generation. *Physical Review Letters*, **2010**, 104, 207402 | 7.4 | 194 |
| 159 | Optofluidic microscopy--a method for implementing a high resolution optical microscope on a chip. *Lab on A Chip*, **2006**, 6, 1274-6 | 7.2 | 190 |
| 158 | Nanofluidic tuning of photonic crystal circuits. *Optics Letters*, **2006**, 31, 59-61 | 3 | 177 |
| 157 | Hollow Mesoporous Plasmonic Nanoshells for Enhanced Solar Vapor Generation. *Nano Letters*, **2016**, 16, 2159-67 | 11.5 | 174 |
| 156 | High-resolution, lensless endoscope based on digital scanning through a multimode optical fiber. *Biomedical Optics Express*, **2013**, 4, 260-70 | 3.5 | 174 |
| 155 | Image normalization by complex moments. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1985**, 7, 46-55 | 13.3 | 163 |
| 154 | Holography in artificial neural networks. *Nature*, **1990**, 343, 325-30 | 50.4 | 158 |
| 153 | A multi-color fast-switching microfluidic droplet dye laser. *Lab on A Chip*, **2009**, 9, 2767-71 | 7.2 | 154 |

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| 152 | Learning to see through multimode fibers. *Optica*, **2018**, 5, 960 | 8.6 | 147 |
| 151 | Pneumatically tunable optofluidic 2 □2 switch for reconfigurable optical circuit. *Lab on A Chip*, **2011**, 11, 2397-402 | 7.2 | 144 |
| 150 | Imaging through turbid layers by scanning the phase conjugated second harmonic radiation from a nanoparticle. *Optics Express*, **2010**, 18, 20723-31 | 3.3 | 142 |
| 149 | Three-dimensional harmonic holographic microcopy using nanoparticles as probes for cell imaging. *Optics Express*, **2009**, 17, 2880-91 | 3.3 | 131 |
| 148 | Optofluidic dye lasers. *Microfluidics and Nanofluidics*, **2008**, 4, 145-158 | 2.8 | 119 |
| 147 | Digital phase conjugation of second harmonic radiation emitted by nanoparticles in turbid media. *Optics Express*, **2010**, 18, 12283-90 | 3.3 | 116 |
| 146 | Real-time computer-generated hologram by means of liquid-crystal television spatial light modulator. *Optics Letters*, **1986**, 11, 748-50 | 3 | 114 |
| 145 | Inference in artificial intelligence with deep optics and photonics. *Nature*, **2020**, 588, 39-47 | 50.4 | 114 |
| 144 | Design and cost considerations for practical solar-hydrogen generators. *Energy and Environmental Science*, **2014**, 7, 3828-3835 | 35.4 | 113 |
| 143 | Magnifying perfect lens and superlens design by coordinate transformation. *Physical Review B*, **2008**, 77, | 3.3 | 113 |
| 142 | Multimode optical fiber transmission with a deep learning network. *Light: Science and Applications*, **2018**, 7, 69 | 16.7 | 113 |
| 141 | Volume holographic interconnections with maximal capacity and minimal cross talk. *Journal of Applied Physics*, **1989**, 65, 2191-2194 | 2.5 | 99 |
| 140 | Optical Tomographic Image Reconstruction Based on Beam Propagation and Sparse Regularization. *IEEE Transactions on Computational Imaging*, **2016**, 2, 59-70 | 4.5 | 93 |
| 139 | Mechanically tunable optofluidic distributed feedback dye laser. *Optics Express*, **2006**, 14, 10494-9 | 3.3 | 92 |
| 138 | Liquid-crystal blazed-grating beam deflector. *Applied Optics*, **2000**, 39, 6545-55 | 1.7 | 85 |
| 137 | Digital confocal microscopy through a multimode fiber. *Optics Express*, **2015**, 23, 23845-58 | 3.3 | 83 |
| 136 | Bioconjugation of barium titanate nanocrystals with immunoglobulin G antibody for second harmonic radiation imaging probes. *Biomaterials*, **2010**, 31, 2272-7 | 15.6 | 77 |
| 135 | Imaging blood cells through scattering biological tissue using speckle scanning microscopy. *Optics Express*, **2014**, 22, 3405-13 | 3.3 | 76 |

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|---|---|---|---|
| 134 | Precision intracellular delivery based on optofluidic polymersome rupture. *ACS Nano*, **2012**, 6, 7850-7 | 16.7 | 75 |
| 133 | Coherent optical information systems. *Science*, **2002**, 298, 1359-63 | 33.3 | 72 |
| 132 | A membrane-less electrolyzer for hydrogen production across the pH scale. *Energy and Environmental Science*, **2015**, 8, 2003-2009 | 35.4 | 69 |
| 131 | Lithium niobate nanowires synthesis, optical properties, and manipulation. *Applied Physics Letters*, **2009**, 95, 143105 | 3.4 | 67 |
| 130 | Delivery of focused short pulses through a multimode fiber. *Optics Express*, **2015**, 23, 9109-20 | 3.3 | 65 |
| 129 | Solar-to-Hydrogen Production at 14.2% Efficiency with Silicon Photovoltaics and Earth-Abundant Electrocatalysts. *Journal of the Electrochemical Society*, **2016**, 163, F1177-F1181 | 3.9 | 62 |
| 128 | Dynamic bending compensation while focusing through a multimode fiber. *Optics Express*, **2013**, 21, 22504-14 | 3.3 | 62 |
| 127 | Two-photon imaging through a multimode fiber. *Optics Express*, **2015**, 23, 32158-70 | 3.3 | 59 |
| 126 | A microfluidic 2□ optical switch. *Applied Physics Letters*, **2004**, 85, 6119-6121 | 3.4 | 58 |
| 125 | Harmonic holography: a new holographic principle. *Applied Optics*, **2008**, 47, A103-10 | 1.7 | 53 |
| 124 | Optofluidic evanescent dye laser based on a distributed feedback circular grating. *Applied Physics Letters*, **2009**, 94, 161110 | 3.4 | 51 |
| 123 | Low-order distributed feedback optofluidic dye laser with reduced threshold. *Applied Physics Letters*, **2009**, 94, 051117 | 3.4 | 49 |
| 122 | Ionic and electronic dark decay of holograms in LiNbO3:Fe crystals. *Applied Physics Letters*, **2001**, 78, 4076-4078 | 3.4 | 49 |
| 121 | Imaging with second-harmonic radiation probes in living tissue. *Biomedical Optics Express*, **2011**, 2, 2532-9 | 3.5 | 45 |
| 120 | Superoscillatory diffraction-free beams. *Optics Letters*, **2011**, 36, 4335-7 | 3 | 45 |
| 119 | Effect of annealing in two-center holographic recording. *Applied Physics Letters*, **1999**, 74, 3767-3769 | 3.4 | 43 |
| 118 | A versatile and membrane-less electrochemical reactor for the electrolysis of water and brine. *Energy and Environmental Science*, **2019**, 12, 1592-1604 | 35.4 | 42 |
| 117 | Reverse propagation of femtosecond pulses in optical fibers. *Optics Letters*, **2003**, 28, 1873-5 | 3 | 42 |

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|---|---|---|---|
| 116 | Holographic recording of fast phenomena. *Applied Physics Letters*, **2002**, 80, 731-733 | 3.4 | 42 |
| 115 | Second harmonic generation from nanocrystals under linearly and circularly polarized excitations. *Optics Express*, **2010**, 18, 11917-32 | 3.3 | 41 |
| 114 | Inkjet Printing of Viscous Monodisperse Microdroplets by Laser-Induced Flow Focusing. *Physical Review Applied*, **2016**, 6, | 4.3 | 40 |
| 113 | High-fidelity optical diffraction tomography of multiple scattering samples. *Light: Science and Applications*, **2019**, 8, 82 | 16.7 | 38 |
| 112 | Optical Computing: Past and Future. *Optics and Photonics News*, **2016**, 27, 32 | 1.9 | 37 |
| 111 | Pneumatically tunable optofluidic dye laser. *Applied Physics Letters*, **2010**, 96, 081101 | 3.4 | 37 |
| 110 | Nanoimprinted circular grating distributed feedback dye laser. *Applied Physics Letters*, **2007**, 91, 051109 | 3.4 | 37 |
| 109 | Generalizing Smoothness Constraints from Discrete Samples. *Neural Computation*, **1990**, 2, 188-197 | 2.9 | 37 |
| 108 | Three-dimensional scanning microscopy through thin turbid media. *Optics Express*, **2012**, 20, 2500-6 | 3.3 | 34 |
| 107 | Vapor-fed microfluidic hydrogen generator. *Lab on A Chip*, **2015**, 15, 2287-96 | 7.2 | 31 |
| 106 | Coherent anti-Stokes Raman holography for chemically selective single-shot nonscanning 3D imaging. *Physical Review Letters*, **2010**, 104, 093902 | 7.4 | 31 |
| 105 | Human audiometric thresholds do not predict specific cellular damage in the inner ear. *Hearing Research*, **2016**, 335, 83-93 | 3.9 | 31 |
| 104 | Dynamics of filament formation in a Kerr medium. *Physical Review A*, **2005**, 71, | 2.6 | 30 |
| 103 | Calibration-free imaging through a multicore fiber using speckle scanning microscopy. *Optics Letters*, **2016**, 41, 3078-81 | 3 | 30 |
| 102 | Versatile reconstruction framework for diffraction tomography with intensity measurements and multiple scattering. *Optics Express*, **2018**, 26, 2749-2763 | 3.3 | 29 |
| 101 | Elastomer based tunable optofluidic devices. *Lab on A Chip*, **2012**, 12, 3590-7 | 7.2 | 29 |
| 100 | Optofluidic pressure sensor based on interferometric imaging. *Optics Letters*, **2010**, 35, 3604-6 | 3 | 29 |
| 99 | STED imaging of green fluorescent nanodiamonds containing nitrogen-vacancy-nitrogen centers. *Biomedical Optics Express*, **2016**, 7, 34-44 | 3.5 | 28 |

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| 98 | Holographic capture of femtosecond pulse propagation. *Journal of Applied Physics*, **2006**, 100, 063104 | 2.5 | 27 |
| 97 | Superhydrophobic bullwEeye for surface-enhanced Raman scattering. *Lab on A Chip*, **2014**, 14, 3907-11 | 7.2 | 26 |
| 96 | Optical-resolution photoacoustic microscopy by use of a multimode fiber. *Applied Physics Letters*, **2013**, 102, 211106 | 3.4 | 26 |
| 95 | Bend translation in multimode fiber imaging. *Optics Express*, **2017**, 25, 6263-6273 | 3.3 | 26 |
| 94 | Imaging through multimode fibers using deep learning: The effects of intensity versus holographic recording of the speckle pattern. *Optical Fiber Technology*, **2019**, 52, 101985 | 2.4 | 25 |
| 93 | Electrically tunable optofluidic light switch for reconfigurable solar lighting. *Lab on A Chip*, **2013**, 13, 2708-13 | 7.2 | 25 |
| 92 | All-optical switching in an optofluidic polydimethylsiloxane: Liquid crystal grating defined by cast-molding. *Applied Physics Letters*, **2010**, 96, 131112 | 3.4 | 25 |
| 91 | Optofluidic membrane interferometer: An imaging method for measuring microfluidic pressure and flow rate simultaneously on a chip. *Biomicrofluidics*, **2011**, 5, 44110-4411011 | 3.2 | 25 |
| 90 | Phase-locked sustainment of photorefractive holograms using phase conjugation. *Journal of Applied Physics*, **1991**, 70, 4646-4648 | 2.5 | 25 |
| 89 | Resolution enhancement in nonlinear scanning microscopy through post-detection digital computation. *Optica*, **2014**, 1, 455 | 8.6 | 23 |
| 88 | Modulational instability in nonlinearity-managed optical media. *Physical Review A*, **2007**, 75, | 2.6 | 23 |
| 87 | Three-Dimensional Optical Diffraction Tomography With Lippmann-Schwinger Model. *IEEE Transactions on Computational Imaging*, **2020**, 6, 727-738 | 4.5 | 22 |
| 86 | Inertial manipulation of bubbles in rectangular microfluidic channels. *Lab on A Chip*, **2018**, 18, 1035-1046 | 7.2 | 22 |
| 85 | Light control in a multicore fiber using the memory effect. *Optics Express*, **2015**, 23, 30532-44 | 3.3 | 22 |
| 84 | Single-photon three-dimensional microfabrication through a multimode optical fiber. *Optics Express* , **2018**, 26, 1766-1778 | 3.3 | 21 |
| 83 | Digital confocal microscope. *Optics Express*, **2012**, 20, 22720-7 | 3.3 | 21 |
| 82 | Learning from droplet flows in microfluidic channels using deep neural networks. *Scientific Reports*, **2019**, 9, 8114 | 4.9 | 20 |
| 81 | Optical detection of asymmetric bacteria utilizing electro orientation. *Optics Express*, **2006**, 14, 9780-5 | 3.3 | 20 |

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| 80 | Lensless two-photon imaging through a multicore fiber with coherence-gated digital phase conjugation. *Journal of Biomedical Optics*, **2016**, 21, 45002 | 3.5 | 19 |
| 79 | Three-dimensional microfabrication through a multimode optical fiber. *Optics Express*, **2017**, 25, 7031-7045 | 3.3 | 19 |
| 78 | Selective femtosecond laser ablation via two-photon fluorescence imaging through a multimode fiber. *Biomedical Optics Express*, **2019**, 10, 423-433 | 3.5 | 19 |
| 77 | Imaging with Multimode Fibers. *Optics and Photonics News*, **2016**, 27, 24 | 1.9 | 19 |
| 76 | Confocal microscopy through a multimode fiber using optical correlation. *Optics Letters*, **2015**, 40, 5754-7 | 3 | 18 |
| 75 | Increasing the imaging capabilities of multimode fibers by exploiting the properties of highly scattering media. *Optics Letters*, **2013**, 38, 2776-8 | 3 | 18 |
| 74 | Digital staining through the application of deep neural networks to multi-modal multi-photon microscopy. *Biomedical Optics Express*, **2019**, 10, 1339-1350 | 3.5 | 18 |
| 73 | Scalable optical learning operator. *Nature Computational Science*, **2021**, 1, 542-549 | | 18 |
| 72 | Optical-resolution photoacoustic imaging through thick tissue with a thin capillary as a dual optical-in acoustic-out waveguide. *Applied Physics Letters*, **2015**, 106, 094102 | 3.4 | 17 |
| 71 | Two-photon microscopy of the mouse cochlea in situ for cellular diagnosis. *Journal of Biomedical Optics*, **2013**, 18, 31104 | 3.5 | 17 |
| 70 | 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 | 22.5 | 17 |
| 69 | Silicon oxide deposition for enhanced optical switching in polydimethylsiloxane-liquid crystal hybrids. *Optics Express*, **2011**, 19, 23532-7 | 3.3 | 16 |
| 68 | Digital reverse propagation in focusing Kerr media. *Physical Review A*, **2011**, 83, | 2.6 | 15 |
| 67 | Three-dimensional tomography of red blood cells using deep learning. *Advanced Photonics*, **2020**, 2, 1 | 8.1 | 15 |
| 66 | Photoinitiator-free multi-photon fabrication of compact optical waveguides in polydimethylsiloxane. *Optical Materials Express*, **2019**, 9, 128 | 2.6 | 15 |
| 65 | Polymer derived silicon oxycarbide ceramic monoliths: Microstructure development and associated materials properties. *Ceramics International*, **2018**, 44, 20961-20967 | 5.1 | 14 |
| 64 | Solar thermal harvesting for enhanced photocatalytic reactions. *Physical Chemistry Chemical Physics* , **2014**, 16, 5137-41 | 3.6 | 14 |
| 63 | Inline holographic coherent anti-Stokes Raman microscopy. *Optics Express*, **2010**, 18, 8213-9 | 3.3 | 13 |

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| 62 | Imaging based optofluidic air flow meter with polymer interferometers defined by soft lithography. *Optics Express*, **2010**, 18, 16561-6 | 3.3 | 13 |
| 61 | Enhanced resolution in a multimode fiber imaging system. *Optics Express*, **2015**, 23, 27484-93 | 3.3 | 12 |
| 60 | Towards new applications using capillary waveguides. *Biomedical Optics Express*, **2015**, 6, 4619-31 | 3.5 | 12 |
| 59 | Seeing through turbidity with harmonic holography [Invited]. *Applied Optics*, **2013**, 52, 567-78 | 1.7 | 12 |
| 58 | Additive micro-manufacturing of crack-free PDCs by two-photon polymerization of a single, low-shrinkage preceramic resin. *Additive Manufacturing*, **2020**, 35, 101343 | 6.1 | 11 |
| 57 | Learning Tomography Assessed Using Mie Theory. *Physical Review Applied*, **2018**, 9, | 4.3 | 11 |
| 56 | Surgical Anatomy of the Human Round Window Region: Implication for Cochlear Endoscopy Through the External Auditory Canal. *Otology and Neurotology*, **2016**, 37, 1189-94 | 2.6 | 11 |
| 55 | Multiple contrast metrics from the measurements of a digital confocal microscope. *Biomedical Optics Express*, **2013**, 4, 1091-103 | 3.5 | 11 |
| 54 | Holographic coherent anti-Stokes Raman scattering bio-imaging. *Biomedical Optics Express*, **2012**, 3, 1744-9 | 3.5 | 11 |
| 53 | Holographic grating formation in a colloidal suspension of silver nanoparticles. *Optics Letters*, **2006**, 31, 447-9 | 3 | 11 |
| 52 | Computer generated optical volume elements by additive manufacturing. *Nanophotonics*, **2020**, 9, 4173-4181 | 6.5 | 11 |
| 51 | 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 | 9.5 | 10 |
| 50 | High power, ultrashort pulse control through a multi-core fiber for ablation. *Optics Express*, **2017**, 25, 11491-11502 | 3.3 | 10 |
| 49 | A micropillar array for sample concentration via in-plane evaporation. *Biomicrofluidics*, **2014**, 8, 044108 | 3.2 | 10 |
| 48 | Imaging in focusing Kerr media using reverse propagation [Invited]. *Photonics Research*, **2013**, 1, 96 | 6 | 10 |
| 47 | Huygens□Fresnel diffraction and evanescent waves. *Optics Communications*, **2011**, 284, 1686-1689 | 2 | 10 |
| 46 | Raman imaging through multimode sapphire fiber. *Optics Express*, **2019**, 27, 1090-1098 | 3.3 | 10 |
| 45 | Polarization-sensitive optical diffraction tomography. *Optica*, **2021**, 8, 402 | 8.6 | 10 |

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| 44 | Fabrication of Sub-Micron Polymer Waveguides through Two-Photon Polymerization in Polydimethylsiloxane. *Polymers*, **2020**, 12, | 4.5 | 9 |
| 43 | 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, 1092-100 | 1.8 | 7 |
| 42 | COHERENT ANTI-STOKES RAMAN SCATTERING HOLOGRAPHY: THEORY AND EXPERIMENT. *Journal of Nonlinear Optical Physics and Materials*, **2012**, 21, 1250028 | 0.8 | 7 |
| 41 | Double grating formation in anisotropic photorefractive crystals. *Journal of Applied Physics*, **1992**, 71, 1394-1400 | 2.5 | 7 |
| 40 | Deep Learning-Based Image Classification through a Multimode Fiber in the Presence of Wavelength Drift. *Applied Sciences (Switzerland)*, **2020**, 10, 3816 | 2.6 | 6 |
| 39 | Fluorescence-Based and Fluorescent Label-Free Characterization of Polymer Nanoparticle Decorated T Cells. *Biomacromolecules*, **2021**, 22, 190-200 | 6.9 | 6 |
| 38 | A method for assessing the fidelity of optical diffraction tomography reconstruction methods using structured illumination. *Optics Communications*, **2020**, 454, 124486 | 2 | 5 |
| 37 | Subsurface ablation of atherosclerotic plaque using ultrafast laser pulses. *Biomedical Optics Express* , **2015**, 6, 2552-61 | 3.5 | 4 |
| 36 | Characterization of the cytotoxicity and imaging properties of second-harmonic nanoparticles **2010** , | | 4 |
| 35 | Network Synthesis through Data-Driven Growth and Decay. *Neural Networks*, **1997**, 10, 1133-1141 | 9.1 | 4 |
| 34 | A membrane-less electrolyzer with porous walls for high throughput and pure hydrogen production. *Sustainable Energy and Fuels*, **2021**, 5, 2419-2432 | 5.8 | 4 |
| 33 | Predicting optical transmission through complex scattering media from reflection patterns with deep neural networks. *Optics Communications*, **2021**, 492, 126968 | 2 | 4 |
| 32 | Complex pattern projection through a multimode fiber **2015**, | | 3 |
| 31 | A 25.1% Efficient Stand-Alone Solar Chloralkali Generator Employing a Microtracking Solar Concentrator. *Global Challenges*, **2017**, 1, 1700095 | 4.3 | 3 |
| 30 | Digital holographic confocal microscope **2013**, | | 3 |
| 29 | Optical parametric generation in periodically poled KTiOPO4 via extended phase matching. *Applied Physics Letters*, **2007**, 91, 131120 | 3.4 | 3 |
| 28 | Optofluidic Microring Dye Laser. *LEOS Summer Topical Meeting*, **2007**, | | 3 |
| 27 | Photonic waveguide bundles using 3D laser writing and deep neural network image reconstruction.. *Optics Express*, **2022**, 30, 2564-2577 | 3.3 | 3 |

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| 26 | Adaptive Regularization for Three-Dimensional Optical Diffraction Tomography **2020**, | | 3 |
| 25 | Reusability report: Predicting spatiotemporal nonlinear dynamics in multimode fibre optics with a recurrent neural network. *Nature Machine Intelligence*, **2021**, 3, 387-391 | 22.5 | 3 |
| 24 | Multiple speckle illumination for optical-resolution photoacoustic imaging **2017**, | | 2 |
| 23 | EditorsWChoiceSolar-Electrochemical Platforms for Sodium Hypochlorite Generation in Developing Countries. *Journal of the Electrochemical Society*, **2019**, 166, E336-E346 | 3.9 | 2 |
| 22 | Second harmonic nanoparticles in imaging applications **2011**, | | 2 |
| 21 | Holography in artificial neural networks **1995**, 541-546 | | 2 |
| 20 | The Impact of Surfactants on the Inertial Separation of Bubbles in Microfluidic Electrolyzers. *Journal of the Electrochemical Society*, **2020**, 167, 134504 | 3.9 | 2 |
| 19 | Imaging using multimode fibers **2013**, | | 2 |
| 18 | Optofluidics of plants. *APL Photonics*, **2016**, 1, 020901 | 5.2 | 2 |
| 17 | Improving the quality of filament-impaired images in Kerr media by statistical averaging. *Optics Express*, **2015**, 23, 431-44 | 3.3 | 1 |
| 16 | Ultrafast laser ablation for targeted atherosclerotic plaque removal **2015**, | | 1 |
| 15 | Complex light in 3D printing **2016**, | | 1 |
| 14 | Optical Tomography based on a nonlinear model that handles multiple scattering **2017**, | | 1 |
| 13 | Focused light delivery and all optical scanning from a multimode optical fiber using digital phase conjugation **2013**, | | 1 |
| 12 | Harmonic Holography. *Advances in Imaging and Electron Physics*, **2010**, 75-112 | 0.2 | 1 |
| 11 | Imaging hair cells through laser-ablated cochlear bone. *Biomedical Optics Express*, **2019**, 10, 5974-5988 | 3.5 | 1 |
| 10 | Efficient Image Classification through a Multimode Fiber using Deep Neural Networks in presence of Wavelength Drifting **2019**, | | 1 |
| 9 | Laser-assisted inkjet printing of highly viscous fluids with sub-nozzle resolution **2016**, | | 1 |

# List of Publications

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|---|---|---|---|
| 8 | 3D reconstruction of weakly scattering objects from 2D intensity-only measurements using the Wolf transform. *Optics Express*, **2021**, 29, 3976-3984 | 3.3 | 1 |
| 7 | High speed, complex wavefront shaping using the digital micro-mirror device. *Scientific Reports*, **2021**, 11, 18837 | 4.9 | 1 |
| 6 | Optical Diffraction Tomography Using Nearly In-Line Holography with a Broadband LED Source. *Applied Sciences (Switzerland)*, **2022**, 12, 951 | 2.6 | 0 |
| 5 | Integrated Platform for Multi-resolution Additive Manufacturing **2018**, 145-151 | | |
| 4 | Nonlinearity management in optics. *Proceedings in Applied Mathematics and Mechanics*, **2007**, 7, 2030029-2030030 | | 0 |
| 3 | Mass storage for digital optical computers **1990**, 10257, 158 | | |
| 2 | INFORMATION STORAGE IN FULLY CONNECTED NETWORKS **1989**, 51-89 | | |
| 1 | Bias-free time-integrating optical correlator using a photorefractive crystal **1995**, 587-592 | | |