

List of Publications by Citations

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170 papers	1,233 citations	17 h-index	25 g-index
208 ext. papers	1,669 ext. citations	3.5 avg, IF	4.65 L-index

#	Paper	IF	Citations
170	Simultaneous remote extraction of multiple speech sources and heart beats from secondary speckles pattern. <i>Optics Express</i> , <b>2009</b> , 17, 21566-80	3.3	115
169	Fractional Wiener filter. <i>Applied Optics</i> , <b>1996</b> , 35, 3930-6	1.7	47
168	Remote estimation of blood pulse pressure via temporal tracking of reflected secondary speckles pattern. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 061707	3.5	40
167	Improved noncontact optical sensor for detection of glucose concentration and indication of dehydration level. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 1926-40	3.5	38
166	Superresolution using gray level coding. <i>Optics Express</i> , <b>2006</b> , 14, 5178-82	3.3	29
165	Geometrical superresolved imaging using nonperiodic spatial masking. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2009</b> , 26, 589-601	1.8	26
164	Speckle random coding for 2D super resolving fluorescent microscopic imaging. <i>Micron</i> , <b>2007</b> , 38, 121-8	2.3	24
163	Design of 4 × Power Beam Combiner Based on MultiCore Photonic Crystal Fiber. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 695	2.6	22
162	A Photonic 1 × Power Splitter Based on Multimode Interference in Silicon-Gallium-Nitride Slot Waveguide Structures. <i>Materials</i> , <b>2016</b> , 9,	3.5	22
161	Lensless three-dimensional integral imaging using variable and time multiplexed pinhole array. <i>Optics Letters</i> , <b>2015</b> , 40, 1814-7	3	19
160	Multicore Photonic Crystal Fiber Based 1 × Two-Dimensional Intensity Splitters/Couplers. <i>Electromagnetics</i> , <b>2013</b> , 33, 413-420	0.8	19
159	Superresolved and field-of-view extended digital holography with particle encoding. <i>Optics Letters</i> , <b>2012</b> , 37, 2766-8	3	19
158	Observing optical plasmons on a single nanometer scale. <i>Scientific Reports</i> , <b>2014</b> , 4, 4096	4.9	18
157	Demonstration of a Remote Optical Measurement Configuration That Correlates With Breathing, Heart Rate, Pulse Pressure, Blood Coagulation, and Blood Oxygenation. <i>Proceedings of the IEEE</i> , <b>2015</b> , 103, 248-262	14.3	18
156	Design of a 1 × silicon-alumina wavelength demultiplexer based on multimode interference in slot waveguide structures. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 125702	1.7	18
155	Spatial modulation of light transmission through a single microcavity by coupling of photosynthetic complex excitations to surface plasmons. <i>Nature Communications</i> , <b>2015</b> , 6, 7334	17.4	18
154	Optical sensor for remote estimation of alcohol concentration in blood stream. <i>Optics Communications</i> , <b>2013</b> , 289, 149-157	2	18

153	Cellular imaging using temporally flickering nanoparticles. <i>Scientific Reports</i> , <b>2015</b> , 5, 8244	4.9	17
152	Demonstration of remote optical measurement configuration that correlates to glucose concentration in blood. <i>Biomedical Optics Express</i> , <b>2011</b> , 2, 858-70	3.5	17
151	A microscope configuration for nanometer 3-D movement monitoring accuracy. <i>Micron</i> , <b>2011</b> , 42, 366-75	4.3	17
150	Extended depth of focus contact lenses for presbyopia. <i>Optics Letters</i> , <b>2009</b> , 34, 2219-21	3	17
149	Fiber-laser monolithic coherent beam combiner based on multicore photonic crystal fiber. <i>Optical Engineering</i> , <b>2014</b> , 54, 011007	1.1	16
148	Neural networks within multi-core optic fibers. <i>Scientific Reports</i> , <b>2016</b> , 6, 29080	4.9	16
147	Spatially multiplexed interferometric microscopy with partially coherent illumination. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 106007	3.5	15
146	Exceeding the resolving imaging power using environmental conditions. <i>Applied Optics</i> , <b>2008</b> , 47, A1-6	1.7	15
145	Spatial information transmission using orthogonal mutual coherence coding. <i>Optics Letters</i> , <b>2005</b> , 30, 2837-9	3	15
144	Enhanced geometrical superresolved imaging with moving binary random mask. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2011</b> , 28, 566-75	1.8	14
143	Photonic Crystal Fiber Based 1 IN Intensity and Wavelength Splitters/Couplers. <i>Electromagnetics</i> , <b>2012</b> , 32, 209-220	0.8	14
142	Special sensor masking for exceeding system geometrical resolving power. <i>Optical Engineering</i> , <b>2000</b> , 39, 1936	1.1	14
141	Improving Raman spectra of pure silicon using super-resolved method. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 075801	1.7	13
140	Enabling High Efficiency Nanoplasmonics with Novel Nanoantenna Architectures. <i>Scientific Reports</i> , <b>2015</b> , 5, 17562	4.9	12
139	New method for remote and repeatable monitoring of intraocular pressure variations. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 027002	3.5	12
138	Remote photoacoustic sensing using speckle-analysis. <i>Scientific Reports</i> , <b>2019</b> , 9, 1057	4.9	11
137	Nanoscale Silicon-on-Insulator Photo-Activated Modulator Building Block for Optical Communication. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 569-572	2.2	11
136	Super-Resolved Raman Spectroscopy. <i>Spectroscopy Letters</i> , <b>2013</b> , 46, 307-313	1.1	11

135	Tunable nano devices fabricated by controlled deposition of gold nanoparticles via focused ion beam. <i>Microelectronic Engineering</i> , <b>2010</b> , 87, 1363-1366	2.5	11
134	Intraocular omni-focal lens with increased tolerance to decentration and astigmatism. <i>Journal of Refractive Surgery</i> , <b>2010</b> , 26, 71-6	3.3	11
133	Targeted Magnetic Nanoparticles for Mechanical Lysis of Tumor Cells by Low-Amplitude Alternating Magnetic Field. <i>Materials</i> , <b>2016</b> , 9,	3.5	11
132	Thermal therapy with magnetic nanoparticles for cell destruction. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 4581-4594	3.5	11
131	Novel determination of radon-222 velocity in deep subsurface rocks and the feasibility to using radon as an earthquake precursor. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 6346-6364	3.6	11
130	Ultra-narrow-bandwidth graphene quantum dots for superresolved spectral and spatial sensing. <i>NPG Asia Materials</i> , <b>2021</b> , 13,	10.3	11
129	Noncontact optical sensor for bone fracture diagnostics. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 651-7	3.5	10
128	Silicon-coated gold nanoparticles nanoscopy. <i>Journal of Nanophotonics</i> , <b>2016</b> , 10, 036015	1.1	10
127	Noncontact speckle-based optical sensor for detection of glucose concentration using magneto-optic effect. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 65001	3.5	10
126	Cellular superresolved imaging of multiple markers using temporally flickering nanoparticles. <i>Scientific Reports</i> , <b>2015</b> , 5, 10965	4.9	10
125	Speckle-Based Optical Sensor for Low Field Faraday Rotation Measurement. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 723-727	4	10
124	Fabrication of electro optical nano modulator on silicon chip. <i>Microelectronic Engineering</i> , <b>2009</b> , 86, 1099-1102	1.1	10
123	Geometrical superresolution in infrared sensor: experimental verification. <i>Optical Engineering</i> , <b>2004</b> , 43, 1401	1.1	10
122	Usage of turbulence for superresolved imaging. <i>Optics Letters</i> , <b>2007</b> , 32, 1072-4	3	9
121	Photonic human identification based on deep learning of back scattered laser speckle patterns. <i>Optics Express</i> , <b>2019</b> , 27, 36002-36010	3.3	9
120	High-resolution radar road segmentation using weakly supervised learning. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 239-246	22.5	9
119	Wireless Communication with Nanoplasmonic Data Carriers: Macroscale Propagation of Nanophotonic Plasmon Polaritons Probed by Near-Field Nanoimaging. <i>Nano Letters</i> , <b>2017</b> , 17, 5181-5186	11.5	8
118	Large-scale clinical validation of noncontact and continuous extraction of blood pressure via multipoint defocused photonic imaging. <i>Applied Optics</i> , <b>2018</b> , 57, B45-B51	1.7	8

117	Radio frequency photonic filter for highly resolved and ultrafast information extraction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2005</b> , 22, 1668-77	1.8	8
116	Concurrent Formation of Metallic Glass During Laser Forward Transfer 3D Printing. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001260	15.6	7
115	All-optical, an ultra-thin endoscopic photoacoustic sensor using multi-mode fiber. <i>Scientific Reports</i> , <b>2020</b> , 10, 9142	4.9	7
114	Super-Resolved Raman Spectra of Toluene and Toluene-Chlorobenzene Mixture. <i>Spectroscopy Letters</i> , <b>2015</b> , 48, 431-435	1.1	7
113	Design and Fabrication of 1 2 Nanophotonic Switch. <i>Journal of Nanotechnology</i> , <b>2010</b> , 2010, 1-5	3.5	7
112	Self assembly of nano metric metallic particles for realization of photonic and electronic nano transistors. <i>International Journal of Molecular Sciences</i> , <b>2010</b> , 11, 2241-52	6.3	7
111	Sub-micron particle based structures as reconfigurable photonic devices controllable by external photonic and magnetic fields. <i>Sensors</i> , <b>2011</b> , 11, 2740-50	3.8	7
110	Optical tissue probing: human skin hydration detection by speckle patterns analysis. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 4874-4883	3.5	7
109	Optical configuration of pigmented lesion detection by frequency analysis of skin speckle patterns. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 1003-14	3.5	7
108	Phase stretch transform for super-resolution localization microscopy. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 4198-4209	3.5	7
107	Usage of Laser Timing Probe for Sensing of Programmed Charges in EEPROM Devices. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2014</b> , 14, 304-310	1.6	6
106	Rapid Particle Patterning in Surface Deposited Micro-Droplets of Low Ionic Content via Low-Voltage Electrochemistry and Electrokinetics. <i>Scientific Reports</i> , <b>2015</b> , 5, 13095	4.9	6
105	Phase-Shifting Gabor Holographic Microscopy. <i>Journal of Display Technology</i> , <b>2010</b> , 6, 484-489		6
104	Joint transform correlator with incoherent output. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1994</b> , 11, 3201	1.8	6
103	Non-Invasive Imaging Through Scattering Medium by Using a Reverse Response Wavefront Shaping Technique. <i>Scientific Reports</i> , <b>2019</b> , 9, 12275	4.9	5
102	Optical synthetic aperture radar. <i>Journal of Modern Optics</i> , <b>2013</b> , 60, 803-807	1.1	5
101	Improved Margins Detection of Regions Enriched with Gold Nanoparticles inside Biological Phantom. <i>Materials</i> , <b>2017</b> , 10,	3.5	5
100	Improved Diagnostic Process of Multiple Sclerosis Using Automated Detection and Selection Process in Magnetic Resonance Imaging. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 831	2.6	5

99	Improved localization accuracy in stochastic super-resolution fluorescence microscopy by K-factor image deshadowing. <i>Biomedical Optics Express</i> , <b>2013</b> , 5, 244-58	3.5	5
98	All-optical integrated micro logic gate. <i>Microelectronics Journal</i> , <b>2011</b> , 42, 472-476	1.8	5
97	Transversal superresolution with noncontact axial movement of periodic structures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2007</b> , 24, 3220-5	1.8	5
96	Joint transform correlator with spatial code division multiplexing. <i>Applied Optics</i> , <b>2006</b> , 45, 7325-33	1.7	5
95	A robust all-fiber active Q-switched 1- $\mu$ m Yb <sup>3+</sup> fiber laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2015</b> , 120, 489-495	1.9	4
94	Superresolved labeling nanoscopy based on temporally flickering nanoparticles and the K-factor image deshadowing. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 1262-72	3.5	4
93	Study of the Photo- and Thermoactivation Mechanisms in Nanoscale SOI Modulator. <i>Journal of Sensors</i> , <b>2017</b> , 2017, 1-11	2	4
92	Fast optoelectronic responsivity of metal-oxide-semiconductor nanostructures. <i>Journal of Nanophotonics</i> , <b>2016</b> , 10, 036001	1.1	4
91	Contact-free endoscopic photoacoustic sensing using speckle analysis. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201900130	3.1	4
90	Passive time-multiplexing super-resolved technique for axially moving targets. <i>Applied Optics</i> , <b>2013</b> , 52, C11-5	1.7	4
89	Edge processing by synthetic aperture superresolution in digital holographic microscopy. <i>3D Research</i> , <b>2011</b> , 2, 1	2.4	4
88	Non-contact optical sensing of vocal fold vibrations by secondary speckle patterns. <i>Optics Express</i> , <b>2020</b> , 28, 20040-20050	3.3	4
87	Autoencoder based blind source separation for photoacoustic resolution enhancement. <i>Scientific Reports</i> , <b>2020</b> , 10, 21414	4.9	4
86	Optical remote sensor for peanut kernel abortion classification. <i>Applied Optics</i> , <b>2016</b> , 55, 4005-10	0.2	4
85	Remote photonic sensing of blood oxygen saturation via tracking of anomalies in micro-saccades patterns. <i>Optics Express</i> , <b>2021</b> , 29, 3386-3394	3.3	4
84	Selective inactivation of enzymes conjugated to nanoparticles using tuned laser illumination. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2017</b> , 91, 767-774	4.6	3
83	Ophthalmic halo reduced lenses design. <i>Optics Communications</i> , <b>2015</b> , 342, 253-258	2	3
82	Small Signals Study of Thermal Induced Current in Nanoscale SOI Sensor. <i>Journal of Sensors</i> , <b>2017</b> , 2017, 1-9	2	3

81	Geometric superresolution and field-of-view extension achieved using digital mirror devices. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , <b>2013</b> , 12, 033001	0.7	3
80	Three dimensional imaging of gold-nanoparticles tagged samples using phase retrieval with two focus planes. <i>Scientific Reports</i> , <b>2015</b> , 5, 15473	4.9	3
79	Multifocal rigid gas permeable contact lenses with reduced halo. <i>Optics Communications</i> , <b>2014</b> , 319, 113-116	4.16	3
78	Cascadable and reconfigurable photonic logic gates based on linear lightwave interference and non-linear phase erasure. <i>Optics Express</i> , <b>2010</b> , 18, 13600-7	3.3	3
77	Cortical adaptation and visual enhancement. <i>Optics Letters</i> , <b>2010</b> , 35, 3066-8	3	3
76	Superresolved Imaging of Microelectronic Devices for Improved Failure Analysis. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2009</b> , 9, 209-214	1.6	3
75	Suppression of phase ambiguity in digital holography by using partial coherence or specimen rotation. <i>Applied Optics</i> , <b>2008</b> , 47, D154-63	1.7	3
74	Increased gamma band activity for lateral interactions in humans. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187520	3.7	3
73	Design of Surface Enhanced Raman Scattering (SERS) Nanosensor Array. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
72	Improving Compactness of 3D Metallic Microstructures Printed by Laser-Induced Forward Transfer. <i>Crystals</i> , <b>2021</b> , 11, 291	2.3	3
71	Optical Polarization Sensitive Ultra-Fast Switching and Photo-Electrical Device. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	3
70	Gamma Radiation Imaging System via Variable and Time-Multiplexed Pinhole Arrays. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
69	Remote optical configuration of pigmented lesion detection and diagnosis of bone fractures <b>2016</b> ,		2
68	Remote optical sensing in otolaryngology: middle ear effusion detection. <i>Optics Express</i> , <b>2018</b> , 26, 16187-16192	5.3	2
67	3D imaging and visualization: An overview of recent advances <b>2013</b> ,		2
66	Approach to breast cancer early detection via tracking of secondary speckle patterns reflected from the skin with artificial intradermal impurity. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 5359-5367	3.5	2
65	Photonic non-contact estimation of blood lactate level. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 4144-53	3.5	2
64	K-factor image deshadowing for three-dimensional fluorescence microscopy. <i>Scientific Reports</i> , <b>2015</b> , 5, 13724	4.9	2

63	Implantable photonic devices for improved medical treatments. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 108001	3.5	2
62	Electrical Model for Analyzing Chemical Kinetics, Lasing and Bio-Chemical Processes. <i>Processes</i> , <b>2013</b> , 1, 12-29	2.9	2
61	Biomedical Super-resolved Imaging Using Special Micro-probe. <i>BioNanoScience</i> , <b>2011</b> , 1, 103-109	3.4	2
60	Resolution-enhanced remote sensing via multi spectral and spatial data fusion. <i>International Journal of Image and Data Fusion</i> , <b>2011</b> , 2, 149-165	1.8	2
59	Intraocular pressure remote photonic biomonitoring based on temporally encoded external sound wave stimulation. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-9	3.5	2
58	Manipulated Magnetic Nano Particles for Photonic Biomedical Mapping. <i>Nanoscience and Nanotechnology Letters</i> , <b>2015</b> , 7, 861-869	0.8	2
57	Non-contact photoacoustic imaging using laser speckle contrast analysis. <i>Optics Letters</i> , <b>2019</b> , 44, 3110-3113	3.1	2
56	Analyzing the requirements of high-speed camera parameters for enhanced laser speckle sensing of flow dynamics. <i>Engineering Research Express</i> , <b>2020</b> , 2, 035032	0.9	2
55	Reduction in Irradiation Dose in Aperture Coded Enhanced Computed Tomography Imager Using Super-Resolution Techniques. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
54	Remote photonic sensing of cerebral hemodynamic changes via temporal spatial analysis of acoustic vibrations. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201900201	3.1	2
53	Investigations of Shape, Material and Excitation Wavelength Effects on Field Enhancement in SERS Advanced Tips. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
52	Spatial super-resolution of colored images by micro mirrors. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 065704	1.7	2
51	Imaging of nanoparticle dynamics in live and apoptotic cells using temporally-modulated polarization. <i>Scientific Reports</i> , <b>2019</b> , 9, 1650	4.9	1
50	Generation and Manipulation of Superoscillatory Hotspots Using Virtual Fourier Filtering and CTF Shaping. <i>Scientific Reports</i> , <b>2020</b> , 10, 4755	4.9	1
49	Reducing data acquisition for light-sheet microscopy by extrapolation between imaged planes. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e202000035	3.1	1
48	Electron beam patterning for writing of positively charged gold colloidal nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	1
47	Super Resolved Holographic Configurations <b>2014</b> , 225-239		1
46	Experimental quantification of the tactile spatial responsivity of human cornea. <i>Journal of Medical Imaging</i> , <b>2015</b> , 2, 016002	2.6	1



45	Clinical Trials of Exterior Non Implanted Interference-Based Extended Depth of Focus Intra Ocular Lens Design. <i>Photonics</i> , <b>2014</b> , 1, 296-302	2.2	1
44	Correlation based interpolation technique for accurate 3-D estimation via projection of axially varied patterns. <i>3D Research</i> , <b>2011</b> , 2, 1	2.4	1
43	A Self-Powered Medical Device for Blood Irradiation Therapy. <i>Journal of Atomic, Molecular, and Optical Physics</i> , <b>2012</b> , 2012, 1-5		1
42	Fuzzy-logic optical optimization of mainframe CPU and memory. <i>Applied Optics</i> , <b>2006</b> , 45, 4647-51	1.7	1
41	Picosecond pulsed laser illumination: an ultimate solution for photonic versus thermal processes' contest in SOI photo-activated modulator.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1547	4.9	1
40	Corneal thickness measurement by secondary speckle tracking and image processing using machine-learning algorithms. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 24, 1-10	3.5	1
39	Towards a multi-sensor system for the diagnosis of neurological disorders <b>2016</b> ,		1
38	Advanced Surface Probing Using a Dual-Mode NSOM-AFM Silicon-Based Photosensor. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	1
37	Multi-Spectral Optimization for Tissue Probing Using Machine Learning. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-14	1.8	1
36	Non-labeled lensless micro-endoscopic approach for cellular imaging through highly scattering media. <i>Bioscience Reports</i> , <b>2018</b> , 38,	4.1	1
35	High-speed temporal and spatial beam-shaping combining active and passive elements. <i>Optics Express</i> , <b>2021</b> , 29, 31229-31239	3.3	1
34	Structured transmittance illumination coherence holography.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4564	4.9	1
33	Optical reciprocity induced wavefront shaping for axial and lateral shifting of focus through a scattering medium.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6387	4.9	1
32	Multi-Functional Micro Projection Device as Screen Substitute for Low Power Consumption Computing. <i>Journal of Low Power Electronics and Applications</i> , <b>2012</b> , 2, 79-97	1.7	0
31	Signal-to-Noise Ratio Improvement for Multiple-Pinhole Imaging Using Supervised EncoderDecoder Convolutional Neural Network Architecture. <i>Photonics</i> , <b>2022</b> , 9, 69	2.2	0
30	Broadband field-of-view expansion using a pair of digital micromirror devices. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2019</b> , 36, 1631-1641	1.8	0
29	Nano polarimetry: enhanced AFM-NSOM triple-mode polarimeter tip. <i>Scientific Reports</i> , <b>2020</b> , 10, 16201	4.9	0
28	Ultra-fast remote photoacoustic imaging with a non-scanning speckle-based setup. <i>OSA Continuum</i> , <b>2021</b> , 4, 1135	1.4	0

27	Temporal flickering of contrast agents for enhanced optical imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2016</b> , 8, 439-48	9.2	o
26	Coherent, super-resolved radar beamforming using self-supervised learning.. <i>Science Robotics</i> , <b>2021</b> , 6, eabk0431	18.6	o
25	A novel contact-free atrial fibrillation monitor: a pilot study. <i>European Heart Journal Digital Health</i> , <b>2022</b> , 3, 105-113	2.3	o
24	Frequency Modulated Continuous Wave RADAR for Objects Mapping in Enclosed Spaces Using Smartphones and Arduino Components. <i>3D Research</i> , <b>2017</b> , 8, 1	2.4	
23	Time-Spectral based Polarization-Encoding for Spatial-Temporal Super-Resolved NSOM Readout. <i>Scientific Reports</i> , <b>2019</b> , 9, 13089	4.9	
22	Terahertz Ultrashort Pulse Behavior: Near-Field and Far-Field Propagation. <i>Electromagnetics</i> , <b>2015</b> , 35, 167-176	0.8	
21	Stereovision Imaging in Smart Mobile Phone Using Add on Prisms. <i>3D Research</i> , <b>2014</b> , 5, 1	2.4	
20	Time multiplexing super resolving technique for imaging from a moving platform. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51148	1.6	
19	Direct-phase and amplitude digitalization based on free-space interferometry. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 125704	1.7	
18	All-Optical Silicon-Photonic Constellation Conversion of AmplitudePhase Modulation Formats. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-14	1.8	
17	Optical spatial image processor based on aliasing of pseudo-periodic sampling. <i>Journal of Supercomputing</i> , <b>2012</b> , 62, 673-680	2.5	
16	Robotic Platform for Automated Search and Rescue Missions of Humans. <i>International Journal of Advanced Robotic Systems</i> , <b>2013</b> , 10, 91	1.4	
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