Zeev Zalevsky

List of Publications by Year in Descending Order

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	Signal-to-Noise Ratio Improvement for Multiple-Pinhole Imaging Using Supervised EncoderDecoder Convolutional Neural Network Architecture. *Photonics*, **2022**, 9, 69	2.2	0
169	Picosecond pulsed laser illumination: an ultimate solution for photonic versus thermal processes' contest in SOI photo-activated modulator.. *Scientific Reports*, **2022**, 12, 1547	4.9	1
168	Remote photonic detection of human senses using secondary speckle patterns.. *Scientific Reports*, **2022**, 12, 519	4.9	
167	Structured transmittance illumination coherence holography.. *Scientific Reports*, **2022**, 12, 4564	4.9	1
166	A novel contact-free atrial fibrillation monitor: a pilot study. *European Heart Journal Digital Health*, **2022**, 3, 105-113	2.3	0
165	Optical reciprocity induced wavefront shaping for axial and lateral shifting of focus through a scattering medium.. *Scientific Reports*, **2022**, 12, 6387	4.9	1
164	Dynamics of laser-induced tunable focusing in silicon.. *Scientific Reports*, **2022**, 12, 6342	4.9	
163	Improving Compactness of 3D Metallic Microstructures Printed by Laser-Induced Forward Transfer. *Crystals*, **2021**, 11, 291	2.3	3
162	Ultra-fast remote photoacoustic imaging with a non-scanning speckle-based setup. *OSA Continuum*, **2021**, 4, 1135	1.4	0
161	Perspective on remote photonic bio-sensing and diagnosis. *Applied Physics Letters*, **2021**, 118, 240503	3.4	
160	Ultra-narrow-bandwidth graphene quantum dots for superresolved spectral and spatial sensing. *NPG Asia Materials*, **2021**, 13,	10.3	11
159	Investigations of Shape, Material and Excitation Wavelength Effects on Field Enhancement in SERS Advanced Tips. *Nanomaterials*, **2021**, 11,	5.4	2
158	Multi-Spectral Optimization for Tissue Probing Using Machine Learning. *IEEE Photonics Journal*, **2021**, 13, 1-14	1.8	1
157	High-resolution radar road segmentation using weakly supervised learning. *Nature Machine Intelligence*, **2021**, 3, 239-246	22.5	9
156	High-speed temporal and spatial beam-shaping combining active and passive elements. *Optics Express*, **2021**, 29, 31229-31239	3.3	1
155	Evaluation and Optimization of Methods for Generating High-Resolution Retinotopic Maps Using Visual Cortex Voltage-Sensitive Dye Imaging. *Frontiers in Cellular Neuroscience*, **2021**, 15, 713538	6.1	
154	Remote photonic sensing of blood oxygen saturation via tracking of anomalies in micro-saccades patterns. *Optics Express*, **2021**, 29, 3386-3394	3.3	4

153	Coherent, super-resolved radar beamforming using self-supervised learning.. *Science Robotics*, **2021**, 6, eabk0431	18.6	0
152	Concurrent Formation of Metallic Glass During Laser Forward Transfer 3D Printing. *Advanced Functional Materials*, **2020**, 30, 2001260	15.6	7
151	All-optical, an ultra-thin endoscopic photoacoustic sensor using multi-mode fiber. *Scientific Reports*, **2020**, 10, 9142	4.9	7
150	Generation and Manipulation of Superoscillatory Hotspots Using Virtual Fourier Filtering and CTF Shaping. *Scientific Reports*, **2020**, 10, 4755	4.9	1
149	Gamma Radiation Imaging System via Variable and Time-Multiplexed Pinhole Arrays. *Sensors*, **2020**, 20,	3.8	2
148	Reducing data acquisition for light-sheet microscopy by extrapolation between imaged planes. *Journal of Biophotonics*, **2020**, 13, e202000035	3.1	1
147	Non-contact optical sensing of vocal fold vibrations by secondary speckle patterns. *Optics Express*, **2020**, 28, 20040-20050	3.3	4
146	Remote Speckle-Based Measurements of Backward Brillouin Acoustic Vibrations in Optical Fibers. *Applied Sciences (Switzerland)*, **2020**, 10, 664	2.6	
145	Analyzing the requirements of high-speed camera parameters for enhanced laser speckle sensing of flow dynamics. *Engineering Research Express*, **2020**, 2, 035032	0.9	2
144	Reduction in Irradiation Dose in Aperture Coded Enhanced Computed Tomography Imager Using Super-Resolution Techniques. *Sensors*, **2020**, 20,	3.8	2
143	Nano polarimetry: enhanced AFM-NSOM triple-mode polarimeter tip. *Scientific Reports*, **2020**, 10, 16201	4.9	0
142	Design of Surface Enhanced Raman Scattering (SERS) Nanosensor Array. *Sensors*, **2020**, 20,	3.8	3
141	Autoencoder based blind source separation for photoacoustic resolution enhancement. *Scientific Reports*, **2020**, 10, 21414	4.9	4
140	Remote photonic sensing of cerebral hemodynamic changes via temporal spatial analysis of acoustic vibrations. *Journal of Biophotonics*, **2020**, 13, e201900201	3.1	2
139	Time-Spectral based Polarization-Encoding for Spatial-Temporal Super-Resolved NSOM Readout. *Scientific Reports*, **2019**, 9, 13089	4.9	
138	Remote photoacoustic sensing using speckle-analysis. *Scientific Reports*, **2019**, 9, 1057	4.9	11
137	Improving Raman spectra of pure silicon using super-resolved method. *Journal of Optics (United Kingdom)*, **2019**, 21, 075801	1.7	13
136	Imaging of nanoparticle dynamics in live and apoptotic cells using temporally-modulated polarization. *Scientific Reports*, **2019**, 9, 1650	4.9	1

135	Non-Invasive Imaging Through Scattering Medium by Using a Reverse Response Wavefront Shaping Technique. *Scientific Reports*, **2019**, 9, 12275	4.9	5
134	Contact-free endoscopic photoacoustic sensing using speckle analysis. *Journal of Biophotonics*, **2019**, 12, e201900130	3.1	4
133	Corneal thickness measurement by secondary speckle tracking and image processing using machine-learning algorithms. *Journal of Biomedical Optics*, **2019**, 24, 1-10	3.5	1
132	Optical tissue probing: human skin hydration detection by speckle patterns analysis. *Biomedical Optics Express*, **2019**, 10, 4874-4883	3.5	7
131	Photonic human identification based on deep learning of back scattered laser speckle patterns. *Optics Express*, **2019**, 27, 36002-36010	3.3	9
130	Non-contact photoacoustic imaging using laser speckle contrast analysis. *Optics Letters*, **2019**, 44, 3110-3113	3	2
129	Broadband field-of-view expansion using a pair of digital micromirror devices. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2019**, 36, 1631-1641	1.8	0
128	Advanced Surface Probing Using a Dual-Mode NSOM-AFM Silicon-Based Photosensor. *Nanomaterials*, **2019**, 9,	5.4	1
127	Optical Polarization Sensitive Ultra-Fast Switching and Photo-Electrical Device. *Nanomaterials*, **2019**, 9,	5.4	3
126	Electron beam patterning for writing of positively charged gold colloidal nanoparticles. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	1
125	Remote optical sensing in otolaryngology: middle ear effusion detection. *Optics Express*, **2018**, 26, 16187-16199	3.5	2
124	Large-scale clinical validation of noncontact and continuous extraction of blood pressure via multipoint defocused photonic imaging. *Applied Optics*, **2018**, 57, B45-B51	1.7	8
123	Intraocular pressure remote photonic biomonitoring based on temporally encoded external sound wave stimulation. *Journal of Biomedical Optics*, **2018**, 23, 1-9	3.5	2
122	Concatenated silicon etalon tunable filter for hyperspectral imaging in the near infrared. *Optical Engineering*, **2018**, 57, 1	1.1	
121	Non-labeled lensless micro-endoscopic approach for cellular imaging through highly scattering media. *Bioscience Reports*, **2018**, 38,	4.1	1
120	Spatial super-resolution of colored images by micro mirrors. *Journal of Optics (United Kingdom)*, **2018**, 20, 065704	1.7	2
119	Selective inactivation of enzymes conjugated to nanoparticles using tuned laser illumination. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2017**, 91, 767-774	4.6	3
118	Frequency Modulated Continuous Wave RADAR for Objects Mapping in Enclosed Spaces Using Smartphones and Arduino Components. *3D Research*, **2017**, 8, 1	2.4	

117	Wireless Communication with Nanoplasmonic Data Carriers: Macroscale Propagation of Nanophotonic Plasmon Polaritons Probed by Near-Field Nanoimaging. *Nano Letters*, **2017**, 17, 5181-5186	11.5	8
116	Small Signals Study of Thermal Induced Current in Nanoscale SOI Sensor. *Journal of Sensors*, **2017**, 2017, 1-9	2	3
115	Study of the Photo- and Thermoactivation Mechanisms in Nanoscale SOI Modulator. *Journal of Sensors*, **2017**, 2017, 1-11	2	4
114	Direct-phase and amplitude digitalization based on free-space interferometry. *Journal of Optics (United Kingdom)*, **2017**, 19, 125704	1.7	
113	Approach to breast cancer early detection via tracking of secondary speckle patterns reflected from the skin with artificial intradermal impurity. *Biomedical Optics Express*, **2017**, 8, 5359-5367	3.5	2
112	Improved Margins Detection of Regions Enriched with Gold Nanoparticles inside Biological Phantom. *Materials*, **2017**, 10,	3.5	5
111	Design of 4 1 Power Beam Combiner Based on MultiCore Photonic Crystal Fiber. *Applied Sciences (Switzerland)*, **2017**, 7, 695	2.6	22
110	Improved Diagnostic Process of Multiple Sclerosis Using Automated Detection and Selection Process in Magnetic Resonance Imaging. *Applied Sciences (Switzerland)*, **2017**, 7, 831	2.6	5
109	Increased gamma band activity for lateral interactions in humans. *PLoS ONE*, **2017**, 12, e0187520	3.7	3
108	Nanostructures with periodic heating ooling cycles for photoacoustic imaging using continuous-wave illumination. *Journal of Nanophotonics*, **2017**, 12, 1	1.1	
107	Fast optoelectronic responsivity of metal-oxide-semiconductor nanostructures. *Journal of Nanophotonics*, **2016**, 10, 036001	1.1	4
106	Silicon-coated gold nanoparticles nanoscopy. *Journal of Nanophotonics*, **2016**, 10, 036015	1.1	10
105	Spatially multiplexed interferometric microscopy with partially coherent illumination. *Journal of Biomedical Optics*, **2016**, 21, 106007	3.5	15
104	Noncontact speckle-based optical sensor for detection of glucose concentration using magneto-optic effect. *Journal of Biomedical Optics*, **2016**, 21, 65001	3.5	10
103	Nanoscale Silicon-on-Insulator Photo-Activated Modulator Building Block for Optical Communication. *IEEE Photonics Technology Letters*, **2016**, 28, 569-572	2.2	11
102	Remote optical configuration of pigmented lesion detection and diagnosis of bone fractures **2016**,		2
101	Targeted Magnetic Nanoparticles for Mechanical Lysis of Tumor Cells by Low-Amplitude Alternating Magnetic Field. *Materials*, **2016**, 9,	3.5	11
100	A Photonic 1 4 Power Splitter Based on Multimode Interference in Silicon-Gallium-Nitride Slot Waveguide Structures. *Materials*, **2016**, 9,	3.5	22

99	Optical configuration of pigmented lesion detection by frequency analysis of skin speckle patterns. *Biomedical Optics Express*, **2016**, 7, 1003-14	3.5	7
98	Phase stretch transform for super-resolution localization microscopy. *Biomedical Optics Express*, **2016**, 7, 4198-4209	3.5	7
97	Thermal therapy with magnetic nanoparticles for cell destruction. *Biomedical Optics Express*, **2016**, 7, 4581-4594	3.5	11
96	Temporal flickering of contrast agents for enhanced optical imaging. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2016**, 8, 439-48	9.2	0
95	Neural networks within multi-core optic fibers. *Scientific Reports*, **2016**, 6, 29080	4.9	16
94	Optical remote sensor for peanut kernel abortion classification. *Applied Optics*, **2016**, 55, 4005-10	0.2	4
93	High Resolution Fabrication of Interconnection Lines Using Picosecond Laser and Controlled Deposition of Gold Nanoparticles. *Physics Procedia*, **2016**, 83, 188-193		
92	Towards a multi-sensor system for the diagnosis of neurological disorders **2016**,		1
91	Novel determination of radon-222 velocity in deep subsurface rocks and the feasibility to using radon as an earthquake precursor. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 6346-6364	3.6	11
90	Phase retrieval deblurring for imaging of dense object within a low scattering soft biological tissue. *Journal of Biomedical Optics*, **2016**, 21, 96008	3.5	
89	Ophthalmic halo reduced lenses design. *Optics Communications*, **2015**, 342, 253-258	2	3
88	A robust all-fiber active Q-switched 1-μm Yb3+ fiber laser. *Applied Physics B: Lasers and Optics*, **2015**, 120, 489-495	1.9	4
87	Demonstration of a Remote Optical Measurement Configuration That Correlates With Breathing, Heart Rate, Pulse Pressure, Blood Coagulation, and Blood Oxygenation. *Proceedings of the IEEE*, **2015**, 103, 248-262	14.3	18
86	Noncontact optical sensor for bone fracture diagnostics. *Biomedical Optics Express*, **2015**, 6, 651-7	3.5	10
85	Superresolved labeling nanoscopy based on temporally flickering nanoparticles and the K-factor image deshadowing. *Biomedical Optics Express*, **2015**, 6, 1262-72	3.5	4
84	Lensless three-dimensional integral imaging using variable and time multiplexed pinhole array. *Optics Letters*, **2015**, 40, 1814-7	3	19
83	Terahertz Ultrashort Pulse Behavior: Near-Field and Far-Field Propagation. *Electromagnetics*, **2015**, 35, 167-176	0.8	
82	Photonic non-contact estimation of blood lactate level. *Biomedical Optics Express*, **2015**, 6, 4144-53	3.5	2

81	Enabling High Efficiency Nanoplasmonics with Novel Nanoantenna Architectures. *Scientific Reports*, **2015**, 5, 17562	4.9	12
80	Cellular superresolved imaging of multiple markers using temporally flickering nanoparticles. *Scientific Reports*, **2015**, 5, 10965	4.9	10
79	Cellular imaging using temporally flickering nanoparticles. *Scientific Reports*, **2015**, 5, 8244	4.9	17
78	Rapid Particle Patterning in Surface Deposited Micro-Droplets of Low Ionic Content via Low-Voltage Electrochemistry and Electrokinetics. *Scientific Reports*, **2015**, 5, 13095	4.9	6
77	K-factor image deshadowing for three-dimensional fluorescence microscopy. *Scientific Reports*, **2015**, 5, 13724	4.9	2
76	Three dimensional imaging of gold-nanoparticles tagged samples using phase retrieval with two focus planes. *Scientific Reports*, **2015**, 5, 15473	4.9	3
75	Design of a 1 □4 silicon-alumina wavelength demultiplexer based on multimode interference in slot waveguide structures. *Journal of Optics (United Kingdom)*, **2015**, 17, 125702	1.7	18
74	Spatial modulation of light transmission through a single microcavity by coupling of photosynthetic complex excitations to surface plasmons. *Nature Communications*, **2015**, 6, 7334	17.4	18
73	All-Optical Silicon-Photonic Constellation Conversion of Amplitude□Phase Modulation Formats. *IEEE Photonics Journal*, **2015**, 7, 1-14	1.8	
72	Experimental quantification of the tactile spatial responsivity of human cornea. *Journal of Medical Imaging*, **2015**, 2, 016002	2.6	1
71	Super-Resolved Raman Spectra of Toluene and Toluene□Chlorobenzene Mixture. *Spectroscopy Letters*, **2015**, 48, 431-435	1.1	7
70	Manipulated Magnetic Nano Particles for Photonic Biomedical Mapping. *Nanoscience and Nanotechnology Letters*, **2015**, 7, 861-869	0.8	2
69	Observing optical plasmons on a single nanometer scale. *Scientific Reports*, **2014**, 4, 4096	4.9	18
68	Stereovision Imaging in Smart Mobile Phone Using Add on Prisms. *3D Research*, **2014**, 5, 1	2.4	
67	Usage of Laser Timing Probe for Sensing of Programmed Charges in EEPROM Devices. *IEEE Transactions on Device and Materials Reliability*, **2014**, 14, 304-310	1.6	6
66	Super Resolved Holographic Configurations **2014**, 225-239		1
65	Improved noncontact optical sensor for detection of glucose concentration and indication of dehydration level. *Biomedical Optics Express*, **2014**, 5, 1926-40	3.5	38
64	Time multiplexing super resolving technique for imaging from a moving platform. *Journal of Visualized Experiments*, **2014**, e51148	1.6	

63	Clinical Trials of Exterior Non Implanted Interference-Based Extended Depth of Focus Intra Ocular Lens Design. *Photonics*, **2014**, 1, 296-302	2.2	1
62	New method for remote and repeatable monitoring of intraocular pressure variations. *Journal of Biomedical Optics*, **2014**, 19, 027002	3.5	12
61	Implantable photonic devices for improved medical treatments. *Journal of Biomedical Optics*, **2014**, 19, 108001	3.5	2
60	Fiber-laser monolithic coherent beam combiner based on multicore photonic crystal fiber. *Optical Engineering*, **2014**, 54, 011007	1.1	16
59	Multifocal rigid gas permeable contact lenses with reduced halo. *Optics Communications*, **2014**, 319, 113-116		3
58	Geometric superresolution and field-of-view extension achieved using digital mirror devices. *Journal of Micro/ Nanolithography, MEMS, and MOEMS*, **2013**, 12, 033001	0.7	3
57	Multicore Photonic Crystal Fiber Based 1 □ 3 Two-Dimensional Intensity Splitters/Couplers. *Electromagnetics*, **2013**, 33, 413-420	0.8	19
56	3D imaging and visualization: An overview of recent advances **2013**,		2
55	Optical synthetic aperture radar. *Journal of Modern Optics*, **2013**, 60, 803-807	1.1	5
54	Improved localization accuracy in stochastic super-resolution fluorescence microscopy by K-factor image deshadowing. *Biomedical Optics Express*, **2013**, 5, 244-58	3.5	5
53	Speckle-Based Optical Sensor for Low Field Faraday Rotation Measurement. *IEEE Sensors Journal*, **2013**, 13, 723-727	4	10
52	Optical sensor for remote estimation of alcohol concentration in blood stream. *Optics Communications*, **2013**, 289, 149-157	2	18
51	Passive time-multiplexing super-resolved technique for axially moving targets. *Applied Optics*, **2013**, 52, C11-5	1.7	4
50	Super-Resolved Raman Spectroscopy. *Spectroscopy Letters*, **2013**, 46, 307-313	1.1	11
49	Robotic Platform for Automated Search and Rescue Missions of Humans. *International Journal of Advanced Robotic Systems*, **2013**, 10, 91	1.4	
48	Electrical Model for Analyzing Chemical Kinetics, Lasing and Bio-Chemical Processes. *Processes*, **2013**, 1, 12-29	2.9	2
47	Optical spatial image processor based on aliasing of pseudo-periodic sampling. *Journal of Supercomputing*, **2012**, 62, 673-680	2.5	
46	Superresolved and field-of-view extended digital holography with particle encoding. *Optics Letters*, **2012**, 37, 2766-8	3	19

45	Multi-Functional Micro Projection Device as Screen Substitute for Low Power Consumption Computing. *Journal of Low Power Electronics and Applications*, **2012**, 2, 79-97	1.7	0
44	Modeling of Current-Voltage Characteristics of the Photoactivated Device Based on SOI Technology. *Active and Passive Electronic Components*, **2012**, 2012, 1-7	0.3	
43	A Self-Powered Medical Device for Blood Irradiation Therapy. *Journal of Atomic, Molecular, and Optical Physics*, **2012**, 2012, 1-5		1
42	Photonic Crystal Fiber Based 1 N Intensity and Wavelength Splitters/Couplers. *Electromagnetics*, **2012**, 32, 209-220	0.8	14
41	Nano- and Biophotonics. *Journal of Atomic, Molecular, and Optical Physics*, **2012**, 2012, 1-1		
40	Wiener filter in the gyrator domain. *Journal of Modern Optics*, **2011**, 58, 1628-1632	1.1	
39	Enhanced geometrical superresolved imaging with moving binary random mask. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2011**, 28, 566-75	1.8	14
38	Demonstration of remote optical measurement configuration that correlates to glucose concentration in blood. *Biomedical Optics Express*, **2011**, 2, 858-70	3.5	17
37	Correlation based interpolation technique for accurate 3-D estimation via projection of axially varied patterns. *3D Research*, **2011**, 2, 1	2.4	1
36	A microscope configuration for nanometer 3-D movement monitoring accuracy. *Micron*, **2011**, 42, 366-75	2.3	17
35	Biomedical Super-resolved Imaging Using Special Micro-probe. *BioNanoScience*, **2011**, 1, 103-109	3.4	2
34	Edge processing by synthetic aperture superresolution in digital holographic microscopy. *3D Research*, **2011**, 2, 1	2.4	4
33	All-optical integrated micro logic gate. *Microelectronics Journal*, **2011**, 42, 472-476	1.8	5
32	Resolution-enhanced remote sensing via multi spectral and spatial data fusion. *International Journal of Image and Data Fusion*, **2011**, 2, 149-165	1.8	2
31	Sub-micron particle based structures as reconfigurable photonic devices controllable by external photonic and magnetic fields. *Sensors*, **2011**, 11, 2740-50	3.8	7
30	Design and Fabrication of 1 2 Nanophotonic Switch. *Journal of Nanotechnology*, **2010**, 2010, 1-5	3.5	7
29	Phase-Shifting Gabor Holographic Microscopy. *Journal of Display Technology*, **2010**, 6, 484-489		6
28	Cascadable and reconfigurable photonic logic gates based on linear lightwave interference and non-linear phase erasure. *Optics Express*, **2010**, 18, 13600-7	3.3	3

27	Cortical adaptation and visual enhancement. *Optics Letters*, **2010**, 35, 3066-8	3	3
26	Self assembly of nano metric metallic particles for realization of photonic and electronic nano transistors. *International Journal of Molecular Sciences*, **2010**, 11, 2241-52	6.3	7
25	Remote estimation of blood pulse pressure via temporal tracking of reflected secondary speckles pattern. *Journal of Biomedical Optics*, **2010**, 15, 061707	3.5	40
24	Tunable nano devices fabricated by controlled deposition of gold nanoparticles via focused ion beam. *Microelectronic Engineering*, **2010**, 87, 1363-1366	2.5	11
23	Intraocular omni-focal lens with increased tolerance to decentration and astigmatism. *Journal of Refractive Surgery*, **2010**, 26, 71-6	3.3	11
22	Fabrication of electro optical nano modulator on silicon chip. *Microelectronic Engineering*, **2009**, 86, 1099-1102	2.5	10
21	Extended depth of focus contact lenses for presbyopia. *Optics Letters*, **2009**, 34, 2219-21	3	17
20	Geometrical superresolved imaging using nonperiodic spatial masking. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2009**, 26, 589-601	1.8	26
19	Simultaneous remote extraction of multiple speech sources and heart beats from secondary speckles pattern. *Optics Express*, **2009**, 17, 21566-80	3.3	115
18	Superresolved Imaging of Microelectronic Devices for Improved Failure Analysis. *IEEE Transactions on Device and Materials Reliability*, **2009**, 9, 209-214	1.6	3
17	Exceeding the resolving imaging power using environmental conditions. *Applied Optics*, **2008**, 47, A1-6	1.7	15
16	Suppression of phase ambiguity in digital holography by using partial coherence or specimen rotation. *Applied Optics*, **2008**, 47, D154-63	1.7	3
15	RF-photonic chirp encoder and compressor for seamless analysis of information flow. *Optics Express* , **2008**, 16, 7904-14	3.3	
14	Speckle random coding for 2D super resolving fluorescent microscopic imaging. *Micron*, **2007**, 38, 121-8	2.3	24
13	Usage of turbulence for superresolved imaging. *Optics Letters*, **2007**, 32, 1072-4	3	9
12	Transversal superresolution with noncontact axial movement of periodic structures. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2007**, 24, 3220-5	1.8	5
11	Superresolution using gray level coding. *Optics Express*, **2006**, 14, 5178-82	3.3	29
10	Fuzzy-logic optical optimization of mainframe CPU and memory. *Applied Optics*, **2006**, 45, 4647-51	1.7	1

9	Joint transform correlator with spatial code division multiplexing. *Applied Optics*, **2006**, 45, 7325-33	1.7	5
8	Radio frequency photonic filter for highly resolved and ultrafast information extraction. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2005**, 22, 1668-77	1.8	8
7	Spatial information transmission using orthogonal mutual coherence coding. *Optics Letters*, **2005**, 30, 2837-9	3	15
6	Geometrical superresolution in infrared sensor: experimental verification. *Optical Engineering*, **2004** , 43, 1401	1.1	10
5	Special sensor masking for exceeding system geometrical resolving power. *Optical Engineering*, **2000**, 39, 1936	1.1	14
4	Fractional Wiener filter. *Applied Optics*, **1996**, 35, 3930-6	1.7	47
3	Joint transform correlator with incoherent output. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1994**, 11, 3201	1.8	6
2	Coupled Molecular Emitters in Superstructures Interact with Plasmonic Nanoparticles. *Advanced Photonics Research*,2100334	1.9	
1	Printed Cu$_2$Ag Phases Using Laser-Induced Forward Transfer. *Advanced Engineering Materials*,2100952	3.5	