

# Vadakke M Murukeshan

## List of Publications by Year in descending order

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249  
papers

2,835  
citations

172207

29  
h-index

253896

43  
g-index

251  
all docs

251  
docs citations

251  
times ranked

2336  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution, non-contact, cellular level imaging of the cornea of the eye in vivo. Optics and Laser Technology, 2022, 150, 107922.	2.2	1
2	Plasmonic random laser enabled artefact-free wide-field fluorescence bioimaging: uncovering finer cellular features. Nanoscale Advances, 2022, 4, 2278-2287.	2.2	4
3	A review on optical bandgap engineering in TiO <sub>2</sub> nanostructures via doping and intrinsic vacancy modulation towards visible light applications. Journal Physics D: Applied Physics, 2022, 55, 313003.	1.3	53
4	Refractive-diffractive hybrid optics array: comparative analysis of simulation and experiments. Journal of Optics (United Kingdom), 2022, 24, 055401.	1.0	6
5	Bio-inspired wrinkle microstructures for random lasing governed by surface roughness. Optics Letters, 2021, 46, 1033.	1.7	7
6	Thermally Controlled Localized Porous Graphene for Integrated Graphene Paper Electronics. Advanced Materials Technologies, 2021, 6, 2001156.	3.0	9
7	Low threshold incoherent random lasing with spectral overlap optimization of size-tuned plasmonic nanorods. Optics and Laser Technology, 2021, 139, 106959.	2.2	17
8	Direct Laser Writing of Graphene Based Electrical Interconnects for Printed Circuit Board Repair. Advanced Materials Technologies, 2021, 6, 2100514.	3.0	6
9	Amyloid Beta42 (A $\beta$ 42) Peptide Functionalized Iron Oxide Nanoparticles for Specific Targeting of SH-SY5Y Neuroblastoma Cells. Journal of Nanoscience and Nanotechnology, 2021, 21, 5044-5050.	0.9	0
10	Hyperspectral z-scan: Measurement of spectrally resolved nonlinear optical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120005.	2.0	6
11	Plasmonic Nano-urchins as Efficient Scatterers: A Comparative Study Using Electromagnetic Simulation. , 2021, , .		1
12	Non-contact, Artefact-free Corneal Imaging using Random Laser. , 2021, , .		0
13	Wide-field microscopic structural imaging of biological tissues using random laser. , 2021, , .		0
14	Non-focusing dense plasma focus device based alternative synthesis technology for ZnO thin films. Ceramics International, 2020, 46, 4690-4699.	2.3	5
15	Attachable micropseudocapacitors using highly swollen laser-induced-graphene electrodes. Chemical Engineering Journal, 2020, 386, 123972.	6.6	11
16	Long working distance high resolution reflective sample imaging via structured embedded speckle illumination. Optics and Lasers in Engineering, 2020, 134, 106296.	2.0	3
17	Noninvasive and Noncontact Sequential Imaging of the Iridocorneal Angle and the Cornea of the Eye. Translational Vision Science and Technology, 2020, 9, 1.	1.1	7
18	Gold nano-urchins for plasmonic enhancement of random lasing in a dye-doped polymer. Journal of Optics (United Kingdom), 2020, 22, 065003.	1.0	9

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19	Au nano-urchins enabled localized surface plasmon resonance sensing of beta amyloid fibrillation. <i>Nanoscale Advances</i> , 2020, 2, 2693-2698.	2.2	17
20	(Cu <sub>2</sub> O-Au) @ Graphene - Au layered structures as efficient near Infra - Red SERS substrates. <i>Scientific Reports</i> , 2020, 10, 4152.	1.6	10
21	Laser-induced reduced-graphene-oxide micro-optics patterned by femtosecond laser direct writing. <i>Applied Surface Science</i> , 2020, 526, 146647.	3.1	25
22	Surface roughness mapping of large area curved aerospace components through spectral correlation of speckle images. <i>Applied Optics</i> , 2020, 59, 5041.	0.9	2
23	Probe-based hyperspectral imager for crop monitoring. , 2020, , .		1
24	Optical sectioning and high resolution visualization of trabecular meshwork using Bessel beam assisted light sheet fluorescence microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201900048.	1.1	11
25	Bessel-Gauss Beam Light Sheet Assisted Fluorescence Imaging of Trabecular Meshwork in the Iridocorneal Region Using Long Working Distance Objectives. , 2019, , .		0
26	Grating-Coupled Plasmonic Sensor for Sucrose Sensing Fabricated Using Optical Fiber-Based Interference Lithography (OFIL) System. <i>IEEE Sensors Journal</i> , 2019, 19, 10477-10481.	2.4	7
27	Bifunctional Fluorescent/Raman Nanoprobe for the Early Detection of Amyloid. <i>Scientific Reports</i> , 2019, 9, 8497.	1.6	34
28	Remote plasma-assisted low-temperature large-area graphene synthesis. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, 041201.	0.6	7
29	Transferable ultra-thin multi-level micro-optics patterned by tunable photoreduction and photoablation for hybrid optics. <i>Carbon</i> , 2019, 149, 572-581.	5.4	19
30	Breaking diffraction limit of far-field imaging via structured illumination Bessel beam microscope (SIBM). <i>Optics Express</i> , 2019, 27, 6068.	1.7	7
31	Ultrafast volume holography for stretchable photonic structures. <i>Optics Express</i> , 2019, 27, 12196.	1.7	7
32	Enhanced absorption in a graphene embedded 1D guided-mode-resonance structure without back-reflector and interferometrically written gratings. <i>Optics Letters</i> , 2019, 44, 3661.	1.7	16
33	Structured illumination fiber probe for high-resolution surface feature imaging of 3D printed and composite samples. , 2019, , .		0
34	Gold nanocages entering into the realm of high-contrast photoacoustic ocular imaging. <i>Nanoscale</i> , 2018, 10, 13959-13968.	2.8	21
35	Particle free optical imaging of flow field by liquid crystal polarization. <i>Optics Express</i> , 2018, 26, 10452.	1.7	3
36	Surface roughness evaluation of additive manufactured metallic components from white light images captured using a flexible fiberscope. <i>Optics and Lasers in Engineering</i> , 2018, 110, 262-271.	2.0	10

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37	Direct laser writing of tunable diffractive micro-optics on graphene oxide film. , 2018, , .		2
38	Flexible and stretchable micro GO/rGO optical structures by femtosecond laser photoreduction. , 2018, , .		0
39	Speckle lithography for fabricating biomimetic spindle structures of desert beetle skin. Biomedical Physics and Engineering Express, 2017, 3, 025003.	0.6	2
40	Imaging of trabecular meshwork using Bessel-Gauss light sheet with fluorescence. Laser Physics Letters, 2017, 14, 035602.	0.6	8
41	Preclinical imaging of iridocorneal angle and fundus using a modified integrated flexible handheld probe. Journal of Medical Imaging, 2017, 4, 026001.	0.8	0
42	A targeted illumination optical fiber probe for high resolution fluorescence imaging and optical switching. Scientific Reports, 2017, 7, 45654.	1.6	14
43	Microscopy using randomized speckle illumination. , 2017, , .		0
44	Spatial calibration and image processing requirements of an image fiber bundle based snapshot hyperspectral imaging probe: from raw data to datacube. Proceedings of SPIE, 2017, , .	0.8	0
45	Note: Design considerations and characterization of a flexible snapshot hyperspectral probe. Review of Scientific Instruments, 2017, 88, 036107.	0.6	3
46	Lasers in additive manufacturing: A review. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 307-322.	2.7	310
47	DMD based digital speckle illumination for high resolution imaging. , 2017, , .		0
48	Nondestructive characterization of thermal damages and its interactions in carbon fibre composite panels. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1562-1580.	1.7	8
49	A review of interferometric techniques with possible improvement in pattern resolution using near-field patterning. Proceedings of SPIE, 2017, , .	0.8	0
50	Snapshot hyperspectral imaging probe with principal component analysis and confidence ellipse for classification. Proceedings of SPIE, 2017, , .	0.8	0
51	Hyperspectral imaging of polymer banknotes for building and analysis of spectral library. Optics and Lasers in Engineering, 2017, 98, 168-175.	2.0	17
52	Photoreduction of graphene oxides using a femtosecond laser: Photothermal and photochemical contributions. , 2017, , .		1
53	Peptides functionalized carbon dots for in vitro fluorescent imaging of amyloid fibrils. , 2017, , .		0
54	Graphene-based ultrathin optical components printed by femtosecond laser direct writing method. , 2017, , .		0

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55	Hyperspectral photoacoustic spectroscopy of highly-absorbing samples for diagnostic ocular imaging applications. International Journal of Optomechatronics, 2017, 11, 36-46.	3.3	5
56	Direct laser writing of graphene oxide patterns using femtosecond laser pulses with different repetition rates. , 2017, , .		2
57	A fractal image analysis methodology for heat damage inspection in carbon fiber reinforced composites. , 2017, , .		0
58	Imaging objects behind small obstacles using axicon lens. , 2017, , .		0
59	Contact lens assisted imaging with integrated flexible handheld probe for glaucoma diagnosis. , 2017, , .		0
60	Geometric approach to the design of an imaging probe to evaluate the iridocorneal angle structures. , 2017, , .		0
61	Fractal speckle image analysis for surface characterization of aerospace structures. Proceedings of SPIE, 2017, , .	0.8	2
62	Multi-beam interferometric patterning in optically transparent materials. Proceedings of SPIE, 2017, , .	0.8	0
63	Experimental investigations and parametric studies of surface roughness measurements using spectrally correlated speckle images. , 2017, , .		1
64	Fiber optic probe for region of interest (ROI) selective time averaged multi-fluorescence imaging. , 2017, , .		0
65	Indirect gonioscopy system for imaging iridocorneal angle of eye. , 2017, , .		0
66	Imaging behind opaque obstacle: a potential method for guided in vitro needle placement. Biomedical Optics Express, 2016, 7, 5308.	1.5	3
67	Design and simulation of GRIN objective lenses for an imaging fiber based speckle metrology system. , 2016, , .		0
68	A four-dimensional snapshot hyperspectral video-endoscope for bio-imaging applications. Scientific Reports, 2016, 6, 24044.	1.6	40
69	Characterization and optimization of illumination vector for contouring surface form and feature using DSPI. Review of Scientific Instruments, 2016, 87, 063116.	0.6	5
70	Spatial-scanning hyperspectral imaging probe for bio-imaging applications. Review of Scientific Instruments, 2016, 87, 033707.	0.6	12
71	Quantitative optical coherence microscopy for the <i>in situ</i> investigation of the biofilm. Journal of Biomedical Optics, 2016, 21, 127002.	1.4	22
72	Gold nanorods with higher aspect ratio as potential contrast agent in optical coherence tomography and for photothermal applications around 1300 nm imaging window. Biomedical Physics and Engineering Express, 2016, 2, 055005.	0.6	24

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73	High resolution iridocorneal angle imaging system by axicon lens assisted gonioscopy. Scientific Reports, 2016, 6, 30844.	1.6	35
74	Plasmon Resonant Silica-Coated Silver Nanoplates as Contrast Agents for Optical Coherence Tomography. Journal of Biomedical Nanotechnology, 2016, 12, 1929-1937.	0.5	12
75	Spectral phase-based automatic calibration scheme for swept source-based optical coherence tomography systems. Physics in Medicine and Biology, 2016, 61, 7652-7663.	1.6	54
76	Development of high-sensitive, reproducible colloidal surface-enhanced Raman spectroscopy active substrate using silver nanocubes for potential biosensing applications. Journal of Nanophotonics, 2016, 10, 026020.	0.4	9
77	Fiber pixelated image database. Optical Engineering, 2016, 55, 083105.	0.5	4
78	Hydrogen sensors based on Pt-loaded WO <sub>3</sub> sensing layers. Europhysics Letters, 2016, 114, 66002.	0.7	21
79	Individual speckle diffraction based 1D and 2D Random Grating Fabrication for detector and solar energy harvesting applications. Scientific Reports, 2016, 6, 20501.	1.6	8
80	Progress in anterior chamber angle imaging for glaucoma risk prediction – A review on clinical equipment, practice and research. Medical Engineering and Physics, 2016, 38, 1383-1391.	0.8	20
81	Speckle lithography for fabricating Gaussian, quasi-random 2D structures and black silicon structures. Scientific Reports, 2016, 5, 18452.	1.6	10
82	Surface Plasmon Polariton-coupled Waveguide Back Reflector in Thin-film Silicon Solar Cell. Plasmonics, 2016, 11, 253-260.	1.8	16
83	A simple and non-contact optical imaging probe for evaluation of corneal diseases. Review of Scientific Instruments, 2015, 86, 093702.	0.6	5
84	Graphene Oxide Wrapping of Gold-Silica Core-Shell Nanohybrids for Photoacoustic Signal Generation and Bimodal Imaging. ChemNanoMat, 2015, 1, 39-45.	1.5	20
85	Plasmon coupled 2D random medium for enhanced absorption in solar cells. , 2015, , .		0
86	Variable resolution imaging fiber probe using digital spatial light modulator. , 2015, , .		1
87	Hybrid-modality ocular imaging using a clinical ultrasound system and nanosecond pulsed laser. Journal of Medical Imaging, 2015, 2, 036003.	0.8	3
88	Dual-illumination mode, wide-field probe imaging scheme for imaging irido-corneal angle region inside eye. , 2015, , .		0
89	A flexible image fiber probe based speckle imaging for extraction of surface features with possible application in intra-cavity inspection. Proceedings of SPIE, 2015, , .	0.8	1
90	In-vivo high resolution corneal imaging and analysis on animal models for clinical applications. Proceedings of SPIE, 2015, , .	0.8	0

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91	Non-contact high resolution Bessel beam probe for diagnostic imaging of cornea and trabecular meshwork region in eye. , 2015, , .		1
92	Pushbroom hyperspectral imaging system with selectable region of interest for medical imaging. Journal of Biomedical Optics, 2015, 20, 046010.	1.4	14
93	An efficient phase analysis-based wavenumber linearization scheme for swept source optical coherence tomography systems. Laser Physics Letters, 2015, 12, 055601.	0.6	44
94	Integrated flexible handheld probe for imaging and evaluation of iridocorneal angle. Journal of Biomedical Optics, 2015, 20, 016014.	1.4	16
95	Speckle referencing: digital speckle pattern interferometry (SR- DSPI) for imaging of non-diffusive surfaces. Proceedings of SPIE, 2015, , .	0.8	3
96	Dielectric supported bimetal layer configuration for long-range surface plasmon polariton interferenceâ€‘based subwavelength lithography. Optical Engineering, 2015, 54, 097107.	0.5	5
97	Asymmetric transmission and optical low-pass filtering in a stack of random media with graded transport mean free path. Optical Materials, 2015, 49, 15-20.	1.7	2
98	Optical frequency domain imaging with a rapidly swept laser in the 1300nm bio-imaging window. Proceedings of SPIE, 2015, , .	0.8	12
99	Quantification of biofilm thickness using a swept source based optical coherence tomography system. Proceedings of SPIE, 2015, , .	0.8	5
100	Plasmonic nanopillar coupled two-dimensional random medium for broadband light trapping and harvesting. Journal of Nanophotonics, 2015, 9, 093061.	0.4	8
101	Instrumentation challenges of a pushbroom hyperspectral imaging system for currency counterfeit applications. , 2015, , .		2
102	Non-contact high resolution Bessel beam probe for diagnostic imaging of cornea and trabecular meshwork region in eye. , 2015, , .		0
103	Coherent fiber bundle based integrated photoacoustic, ultrasound and fluorescence imaging (PAUSFI) for endoscopy and diagnostic bio-imaging applications. Laser Physics, 2014, 24, 085608.	0.6	3
104	Near-field assisted nanoscale patterning for improved absorption in thin film silicon solar cell. Proceedings of SPIE, 2014, , .	0.8	1
105	Synthetically generated fiber pixilated image database. Proceedings of SPIE, 2014, , .	0.8	1
106	Conoscopic analysis of electric field driven planar aligned nematic liquid crystal. Applied Optics, 2014, 53, 2773.	0.9	5
107	Integrated photoacoustic, ultrasound and fluorescence platform for diagnostic medical imaging-proof of concept study with a tissue mimicking phantom. Biomedical Optics Express, 2014, 5, 2135.	1.5	27
108	Note: A gel based imaging technique of the iridocorneal angle for evaluation of angle-closure glaucoma. Review of Scientific Instruments, 2014, 85, 066105.	0.6	8

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109	Narrow band wavelength selective filter using grating assisted single ring resonator. Review of Scientific Instruments, 2014, 85, 093111.	0.6	1
110	Realization of body centered tetragonal, $\hat{I}^2$ -tin and diamond type structures using five beam interference. Optics Communications, 2014, 322, 160-163.	1.0	3
111	Design, fabrication, and characterization of thermoplastic microlenses for fiber-optic probe imaging. Applied Optics, 2014, 53, 1083.	0.9	37
112	Hybrid-modality high-resolution Imaging: for diagnostic biomedical imaging and sensing for disease diagnosis. Proceedings of SPIE, 2014, , .	0.8	3
113	Pixelate Removal in an Image Fiber Probe Endoscope Incorporating Comb Structure Removal Methods. Journal of Medical Imaging and Health Informatics, 2014, 4, 203-211.	0.2	36
114	Improved light absorption in thin film solar cell using combination of gap modes and grating back reflector. Thin Solid Films, 2013, 548, 581-584.	0.8	12
115	Modified two prism SPR sensor configurations to improve the sensitivity of measurement. Sensors and Actuators A: Physical, 2013, 191, 73-77.	2.0	14
116	Red, green, and blue gray-value shift-based approach to whole-field imaging for tissue diagnostics. Journal of Biomedical Optics, 2012, 17, 0760101.	1.4	10
117	Periodic feature patterning by lens based solid immersion multiple beam laser interference lithography. Laser Physics Letters, 2012, 9, 691-696.	0.6	9
118	Measurement and contouring of micro-scale objects through integrated transillumination in a flexible fiber probe system. Optical Engineering, 2012, 51, 073602.	0.5	4
119	Hollow-core photonic crystal fiber based multifunctional optical system for trapping, position sensing, and detection of fluorescent particles. Optics Letters, 2012, 37, 1607.	1.7	15
120	An integrated hollow-core photonic crystal fiber transverse optical trapping system for optical manipulation and detection. Journal of Applied Physics, 2012, 111, .	1.1	3
121	Precisely rectilinear electro-thermal microactuator using a high-aspect ratio microstructured Si/SU-8 composite. Journal of Micromechanics and Microengineering, 2012, 22, 115020.	1.5	2
122	Discrete and Fine Wavelength Tunable Thermo-Optic WSS for Low Power Consumption $\{m C\}^{+}\{m L\}$ Band Tunability. IEEE Photonics Technology Letters, 2012, 24, 152-154.	1.3	40
123	Sub-60 nm Periodic Grating Feature Patterning by Immersion Based 364 nm Laser Interference. Journal of Nanoscience and Nanotechnology, 2012, 12, 6428-6431.	0.9	6
124	Thermal diffusivity variations in nanoparticle administered phantom tissues â€“ a photoacoustic investigation. EPJ Applied Physics, 2012, 59, 30501.	0.3	1
125	Optimal detuning combinations in a series coupled silicon micro ring resonator thermo optic-wavelength selective switch. Optical Engineering, 2012, 51, 044604.	0.5	5
126	Gap modes assisted enhanced broadband light absorption in plasmonic thin film solar cell. Journal of Applied Physics, 2011, 110, 033107.	1.1	11



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127	Characteristics of stand-alone microlenses in fiber-based fluorescence imaging applications. Review of Scientific Instruments, 2011, 82, 043110.	0.6	4
128	Surface plasmon enhancement in gold nanoparticles in the presence of an optical gain medium: an analysis. Journal Physics D: Applied Physics, 2011, 44, 425102.	1.3	22
129	Real Time Monitoring of Fluorescent Particles in Micro-Channels by High Resolution Dual Modality Probe Imaging. Optics and Photonics Journal, 2011, 01, 197-203.	0.3	5
130	Numerical study on Transverse Optical Trapping Inside Hollowcore PCF. Physics Procedia, 2011, 19, 361-366.	1.2	0
131	Characterization of doped polymer based layered thin films for metamaterial applications. Physics Procedia, 2011, 19, 391-397.	1.2	0
132	Nano-scale patterning using pyramidal prism based wavefront interference lithography. Physics Procedia, 2011, 19, 416-421.	1.2	3
133	Pattern definition employing prism-based deep ultraviolet lithography. Micro and Nano Letters, 2011, 6, 109.	0.6	3
134	Numerical investigation and optimisation of hollow-core photonic crystal fibre for optical trapping of fluorescent microparticles. Micro and Nano Letters, 2011, 6, 785.	0.6	5
135	Multiple beams surface plasmon interference generation: A theoretical analysis. Optics Communications, 2011, 284, 2042-2045.	1.0	8
136	Analysis on the birefringence property of lyotropic liquid crystals below Krafft temperature. Optical Materials, 2011, 33, 1338-1341.	1.7	3
137	Nanoring patterning using surface plasmon assisted photolithography. Proceedings of SPIE, 2011, , .	0.8	0
138	Calculation of optical properties of nanoparticles for biomedical applications. Proceedings of SPIE, 2011, , .	0.8	0
139	Laser Speckle Contouring for Medical Diagnosis of Abnormal Growth. Journal of Medical Imaging and Health Informatics, 2011, 1, 27-32.	0.2	0
140	Laser beam propagation in a flow aligned nematic liquid crystal: analysis on liquid/light interactions. Optical Engineering, 2011, 50, 050501.	0.5	2
141	Effect of Composition, Dimension and Shape on the Optical Properties of Gold Nanoparticles – A Theoretical Analysis. Advanced Science, Engineering and Medicine, 2011, 3, 188-196.	0.3	1
142	High Resolution Optical Imaging of Epithelial and Neuronal Cells. Journal of Medical Imaging and Health Informatics, 2011, 1, 354-359.	0.2	8
143	An HC-PCF Fluorescence Spectroscopy for Detection of Microsphere Samples Based on Refractive Index Scaling Law. Optics and Photonics Journal, 2011, 01, 85-90.	0.3	5
144	Effect of metals on UV-excited plasmonic lithography for $\sim 50$ nm periodic feature fabrication. Applied Physics A: Materials Science and Processing, 2010, 101, 117-120.	1.1	6

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145	Laser-induced photoacoustic spectroscopy investigation of colon phantom tissue. Applied Physics A: Materials Science and Processing, 2010, 101, 567-571.	1.1	1
146	Resonant amplification of frustrated evanescent waves by single dielectric coating. Optics Communications, 2010, 283, 169-175.	1.0	2
147	Dye assisted enhanced transmission in near field optical lithography. Optics Communications, 2010, 283, 5245-5249.	1.0	6
148	Optimization of compression molding of stand-alone microlenses: Simulation and experimental results. Polymer Engineering and Science, 2010, 50, 2216-2228.	1.5	7
149	Highly sensitive optical detection of specific protein in breast cancer cells using microstructured fiber in extremely low sample volume. Journal of Biomedical Optics, 2010, 15, 017005.	1.4	43
150	Single-exposure maskless plasmonic lithography for patterning of periodic nanoscale grating features. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2010, 9, 023007.	1.0	9
151	Compact resonant Bragg-grating filters using submicron silicon-on-insulator(SOI) waveguide for optical communication network. , 2010, , .		4
152	Maskless plasmonic lithography for patterning of one- and two-dimensional periodic features. Proceedings of SPIE, 2010, , .	0.8	1
153	Finite-difference time-domain analysis of bandgap characteristics of transversely probed hollow-core photonic crystal fibers. , 2010, , .		0
154	Interferometric lithography for nanoscale feature patterning: a comparative analysis between laser interference, evanescent wave interference, and surface plasmon interference. Applied Optics, 2010, 49, 6710.	2.1	36
155	Large-area maskless surface plasmon interference for one- and two-dimensional periodic nanoscale feature patterning. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 95.	0.8	38
156	Optofluidic variable optical attenuator. , 2010, , .		0
157	Four beams surface plasmon interference nanoscale lithography for patterning of two-dimensional periodic features. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, 128-130.	0.6	23
158	Variable focal lengths image fiber based microscope system for biomedical application. , 2010, , .		0
159	Patterning of two-dimensional nanoscale features using grating-based multiple beams interference lithography. Physica Scripta, 2009, 80, 015401.	1.2	30
160	Photonic crystal fiber-based dual-modality probe for simultaneous sensing and imaging applications. Optical Engineering, 2009, 48, 103601.	0.5	10
161	Of light, of MEMS: Optical MEMS in telecommunications and beyond. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 599-606.	0.8	1
162	Fabrication of polymer-based reflowed microlenses on optical fibre with control of focal length using differential coating technique. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 607-613.	0.8	0

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163	Periodic patterning using multi-facet prism based laser interference lithography. Laser Physics, 2009, 19, 505-510.	0.6	7
164	Excitation of gap modes in a metal particle-surface system for sub-30 nm plasmonic lithography. Optics Letters, 2009, 34, 845.	1.7	38
165	Compact SOI nanowire refractive index sensor using phase shifted Bragg grating. Optics Express, 2009, 17, 15330.	1.7	91
166	Broadband tunable bandpass filters using phase shifted vertical side wall grating in a submicrometer silicon-on-insulator waveguide. Applied Optics, 2009, 48, 5598.	2.1	7
167	Fabrication of a stand-alone polymer microlens: design of molding apparatus, simulation and experimental results. Journal of Micromechanics and Microengineering, 2009, 19, 095005.	1.5	5
168	An image fiber based fluorescent probe with associated signal processing scheme for biomedical diagnostics. Laser Physics Letters, 2008, 5, 760-763.	0.6	8
169	Investigation of pupil-fill factors as process window indicators for dry optical lithography. Optics and Laser Technology, 2008, 40, 142-155.	2.2	2
170	A fluorescence lifetime imaging microscopy (FLIM) system for the characterization of haematoxylin and eosin stained sample. Proceedings of SPIE, 2008, , .	0.8	0
171	Nano-scale three dimensional surface relief features using single exposure counterpropagating multiple evanescent waves interference phenomenon. Optics Express, 2008, 16, 13857.	1.7	18
172	Fiber Optics in Mechatronics " New Challenges and Trends. International Journal of Optomechatronics, 2008, 2, 1-3.	3.3	0
173	Improvement in fluorescence confocal microscopy for obtaining better depth perception. , 2008, , .		0
174	Modeling of subwavelength resist grating features fabricated by evanescent waves interference. Optical Engineering, 2008, 47, 129001.	0.5	4
175	Quasi-Confocal Frequency Domain Imaging for Improved Depth Perception and Selective Suppression of Fluorescent Emissions. International Journal of Optomechatronics, 2008, 2, 42-60.	3.3	0
176	A planar layer configuration for surface plasmon interference nanoscale lithography. Applied Physics Letters, 2008, 93, 093103.	1.5	31
177	Taper couplers for coupling between laser and silicon waveguide with large allowable tolerance. , 2008, , .		1
178	A Total Concentration Fixed-Grid Method for Two-Dimensional Wet Chemical Etching. Journal of Heat Transfer, 2007, 129, 509-516.	1.2	9
179	All fiber based multispeckle modality endoscopic system for imaging medical cavities. Review of Scientific Instruments, 2007, 78, 053106.	0.6	13
180	Tunable External Cavity Laser Based on Liquid Crystal Fabry-Perot Interferometer and Liquid Crystal Phase Shifter. International Journal of Optomechatronics, 2007, 1, 63-72.	3.3	3

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181	Four beams evanescent waves interference lithography for patterning of two dimensional features. Optics Express, 2007, 15, 3437.	1.7	31
182	C-band external-cavity wavelength-tunable laser based on a liquid-crystal deflector. Applied Optics, 2007, 46, 5866.	2.1	2
183	Innovative design of a tunable laser using liquid crystal tuning elements. Journal of Modern Optics, 2007, 54, 2735-2745.	0.6	0
184	Diagnosis of colon cancer using frequency domain fluorescence imaging technique. Optics Communications, 2007, 271, 291-301.	1.0	2
185	An integrated phase-resolved fluorescence imaging system with sub-nanosecond lifetime resolution. Optics and Laser Technology, 2007, 39, 864-870.	2.2	1
186	Effect of image fiber on the speckle fringe pattern in image fiber-guided DSPI endoscopy. Optics and Laser Technology, 2007, 39, 527-531.	2.2	6
187	Phase-resolved fluorescence technique with heterodyne signal processing for imaging of latent fingerprints. Journal of Modern Optics, 2006, 53, 1809-1817.	0.6	0
188	Electronically tunable external-cavity laser diode using a liquid crystal deflector. IEEE Photonics Technology Letters, 2006, 18, 1612-1614.	1.3	6
189	Subnanosecond-resolution phase-resolved fluorescence imaging technique for biomedical applications. Applied Optics, 2006, 45, 5020.	2.1	2
190	External-cavity wavelength tunable laser with an electro-optic deflector. Applied Optics, 2006, 45, 8772.	2.1	3
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