

Efstratios Skafidas

List of Publications by Year in descending order

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341
papers

4,239
citations

147566

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h-index

197535

49
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all docs

346
docs citations

346
times ranked

5139
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Temperature Solution-Processed Transparent QLED Using Inorganic Metal Oxide Carrier Transport Layers. <i>Advanced Functional Materials</i> , 2022, 32, 2106387.	7.8	15
2	Low-Temperature Solution-Processed Transparent QLED Using Inorganic Metal Oxide Carrier Transport Layers (<i>Adv. Funct. Mater.</i> 3/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	0
3	Design and Optimisation of Elliptical-Shaped Planar Hall Sensor for Biomedical Applications. <i>Biosensors</i> , 2022, 12, 108.	2.3	2
4	Heater Integrated Lab-on-a-Chip Device for Rapid HLA Alleles Amplification towards Prevention of Drug Hypersensitivity. <i>Sensors</i> , 2021, 21, 3413.	2.1	5
5	Meander Thin-Film Biosensor Fabrication to Investigate the Influence of Structural Parameters on the Magneto-Impedance Effect. <i>Sensors</i> , 2021, 21, 6514.	2.1	4
6	Letter: improved parsimony of genetic risk scores for coeliac disease through refined HLA modelling. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 53, 759-760.	1.9	2
7	Magneto-Impedance Biosensor Sensitivity: Effect and Enhancement. <i>Sensors</i> , 2020, 20, 5213.	2.1	17
8	Improved HLA-based prediction of coeliac disease identifies two novel genetic interactions. <i>European Journal of Human Genetics</i> , 2020, 28, 1743-1752.	1.4	10
9	Structural and functional brain abnormalities in children with schizotypal disorder: a pilot study. <i>NPJ Schizophrenia</i> , 2020, 6, 6.	2.0	2
10	Recent advances in printable thermoelectric devices: materials, printing techniques, and applications. <i>RSC Advances</i> , 2020, 10, 8421-8434.	1.7	46
11	A meta-analysis of in vitro exposures to weak radiofrequency radiation exposure from mobile phones (1990-2015). <i>Environmental Research</i> , 2020, 184, 109227.	3.7	23
12	A single sensor based multispectral imaging camera using a narrow spectral band color mosaic integrated on the monochrome CMOS image sensor. <i>APL Photonics</i> , 2020, 5, .	3.0	37
13	Cross-ethnicity tagging SNPs for HLA alleles associated with adverse drug reaction. <i>Pharmacogenomics Journal</i> , 2019, 19, 230-239.	0.9	9
14	Rapid Detection of HLA-B*57:01-Expressing Cells Using a Label-Free Interdigitated Electrode Biosensor Platform for Prevention of Abacavir Hypersensitivity in HIV Treatment. <i>Sensors</i> , 2019, 19, 3543.	2.1	2
15	A Fully Printed Backscatter Radio Transceiver. , 2019, , .		1
16	Development of an Ultrasensitive Impedimetric Immunosensor Platform for Detection of Plasmodium Lactate Dehydrogenase. <i>Sensors</i> , 2019, 19, 2446.	2.1	12
17	Fully Solution-Processed Transparent Artificial Neural Network Using Drop-On-Demand Electrohydrodynamic Printing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17521-17530.	4.0	16
18	Tunneling-Limited Thermoelectric Transport in Carbon Nanotube Networks Embedded in Poly(dimethylsiloxane) Elastomer. <i>ACS Applied Energy Materials</i> , 2019, 2, 2419-2426.	2.5	24

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19	Ultrasensitive and label-free biosensor for the detection of Plasmodium falciparum histidine-rich protein II in saliva. Scientific Reports, 2019, 9, 17495.	1.6	19
20	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. ACS Nano, 2019, 13, 13957-13964.	7.3	34
21	Experimental Demonstration of Indoor Infrared Optical Wireless Communications With a Silicon Photonic Integrated Circuit. Journal of Lightwave Technology, 2019, 37, 619-626.	2.7	25
22	High-Speed Reconfigurable Free-Space Optical Interconnects with Carrierless-Amplitude-Phase Modulation and Space-Time-Block Code. Journal of Lightwave Technology, 2019, 37, 627-633.	2.7	10
23	Memristive In Situ Computing. , 2019, , 1005-1020.		1
24	Graphene foam as a biocompatible scaffold for culturing human neurons. Royal Society Open Science, 2018, 5, 171364.	1.1	14
25	Rapid, Loop-Mediated Isothermal Amplification Detection of Celiac Disease Risk Alleles. Journal of Molecular Diagnostics, 2018, 20, 307-315.	1.2	3
26	An interdigitated electrode biosensor platform for rapid HLA-B*15:02 genotyping for prevention of drug hypersensitivity. Biosensors and Bioelectronics, 2018, 111, 174-183.	5.3	18
27	Phenotypic and Functional Characterization of Peripheral Sensory Neurons derived from Human Embryonic Stem Cells. Scientific Reports, 2018, 8, 603.	1.6	38
28	Investigating enhanced thermoelectric performance of graphene-based nano-structures. Nanoscale, 2018, 10, 4786-4792.	2.8	14
29	A compact silicon grating coupler based on hollow tapered spot-size converter. Scientific Reports, 2018, 8, 2540.	1.6	15
30	Mind the prevalence rate: overestimating the clinical utility of psychiatric diagnostic classifiers. Psychological Medicine, 2018, 48, 1225-1227.	2.7	13
31	Attentional set-shifting and social abilities in children with schizotypal and comorbid autism spectrum disorders. Australian and New Zealand Journal of Psychiatry, 2018, 52, 68-77.	1.3	25
32	Millimeter-wave integrated radar systems and techniques. , 2018, , 317-363.		18
33	Facile fabrication of an electrolyte-gated In ₂ O ₃ nanoparticle-based thin-film transistor uniting laser ablation and inkjet printing. Flexible and Printed Electronics, 2018, 3, 042001.	1.5	6
34	Self-Organized Nanostructure Modified Microelectrode for Sensitive Electrochemical Glutamate Detection in Stem Cells-Derived Brain Organoids. Biosensors, 2018, 8, 14.	2.3	28
35	High-speed indoor optical wireless communication system employing a silicon integrated photonic circuit. Optics Letters, 2018, 43, 3132.	1.7	35
36	80 Gb/s Free-Space Reconfigurable Optical Interconnects with Carrierless-Amplitude-Phase Modulation and Space-Time Block Code. , 2018, , .		1

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37	Experimental Demonstration of a 12.5 Gb/s Indoor Optical Wireless Communication System with Silicon Integrated Photonic Circuit. , 2018, , .		1
38	Pathway-wide association study identifies five shared pathways associated with schizophrenia in three ancestral distinct populations. Translational Psychiatry, 2017, 7, e1037-e1037.	2.4	21
39	Space-Time-Coded High-Speed Reconfigurable Card-to-Card Free-Space Optical Interconnects. Journal of Optical Communications and Networking, 2017, 9, A189.	3.3	7
40	A cluster analysis exploration of autism spectrum disorder subgroups in children without intellectual disability. Research in Autism Spectrum Disorders, 2017, 36, 66-78.	0.8	22
41	Compact Silicon Photonic Grating Coupler With Dual-Taper Partial Overlay Spot-Size Converter. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	7
42	A tight binding and σ study of monolayer stanene. Scientific Reports, 2017, 7, 12069.	1.6	11
43	A Silk Fibroin Bio-Transient Solution Processable Memristor. Scientific Reports, 2017, 7, 14731.	1.6	47
44	Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. IEEE Photonics Technology Letters, 2017, 29, 1261-1264.	1.3	3
45	Gate tunable graphene break junction spin filter. , 2017, , .		0
46	Silicon integrated optical devices. , 2017, , .		0
47	Negative differential resistance in planar graphene quantum dot resonant tunneling diodes. , 2017, , .		1
48	High-efficiency interlayer coupler on silicon nitride. , 2017, , .		0
49	Space-time-coded reconfigurable card-to-card optical interconnects with broadcast capability. , 2017, , .		0
50	Indoor infrared optical wireless localization system with background light power estimation capability. Optics Express, 2017, 25, 22923.	1.7	26
51	Plasmonic Colour Filters Based on Coaxial Holes in Aluminium. Materials, 2017, 10, 383.	1.3	25
52	A Label-Free, Quantitative Fecal Hemoglobin Detection Platform for Colorectal Cancer Screening. Biosensors, 2017, 7, 19.	2.3	9
53	WDR62 Regulates Early Neural and Glial Progenitor Specification of Human Pluripotent Stem Cells. Stem Cells International, 2017, 2017, 1-9.	1.2	11
54	No preliminary evidence of differences in astrocyte density within the white matter of the dorsolateral prefrontal cortex in autism. Molecular Autism, 2017, 8, 64.	2.6	13

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55	A Dual-Infrared-Transmitter Optical Wireless Based Indoor User Localization System with High Accuracy. , 2017, , .		0
56	Bi-Directional Space-Time Coded Reconfigurable Board-to-Board Free-Space Optical Interconnects. , 2016, , .		0
57	Low-Loss and Broadband $\times 2$ Polarization Beam Splitter Based on Silicon Nitride Platform. IEEE Photonics Technology Letters, 2016, 28, 1936-1939.	1.3	23
58	Enhanced thermoelectric performance of graphene nanoribbon-based devices. Journal of Applied Physics, 2016, 119, .	1.1	18
59	Non-equilibrium tunneling in zigzag graphene nanoribbon break-junction results in spin filtering. Journal of Applied Physics, 2016, 119, .	1.1	3
60	Graphene based single molecule detection based on thermoelectric power. , 2016, , .		1
61	Monolayer MoS2 self-switching diodes. Journal of Applied Physics, 2016, 119, .	1.1	16
62	Feasibility study of molecular memory device based on DNA using methylation to store information. Journal of Applied Physics, 2016, 120, 025501.	1.1	0
63	Ultra-broadband and low-loss 3 dB optical power splitter based on adiabatic tapered silicon waveguides. Optics Letters, 2016, 41, 2053.	1.7	83
64	Multiple layers of silicon-silica (SiO_2) pair onto silicon substrate towards highly efficient, wideband silicon photonic grating coupler. Optical and Quantum Electronics, 2016, 48, 1.	1.5	4
65	Performance Enhanced Butt Coupling for Effective Interconnection Between Fiber and Silicon Nanowire. IEEE Journal of Quantum Electronics, 2016, 52, 1-6.	1.0	10
66	Multi-gigabit indoor optical wireless networks – Feasibility and challenges. , 2016, , .		9
67	Resonant tunneling based graphene quantum dot memristors. Nanoscale, 2016, 8, 20074-20079.	2.8	18
68	Short-range infrared optical wireless communications – Systems and integration. , 2016, , .		1
69	Environmentally friendly power generator based on moving liquid dielectric and double layer effect. Scientific Reports, 2016, 6, 26708.	1.6	20
70	Energy-filtered Electron Transport Structures for Low-power Low-noise 2-D Electronics. Scientific Reports, 2016, 6, 36167.	1.6	6
71	Four-Wave-Mixing-Based Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. IEEE Photonics Technology Letters, 2016, 28, 1739-1742.	1.3	18
72	All-Graphene Planar Double-Quantum-Dot Resonant Tunneling Diodes. IEEE Journal of the Electron Devices Society, 2016, 4, 30-39.	1.2	14

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73	Lab on a chip sensor for rapid detection and antibiotic resistance determination of <i>Staphylococcus aureus</i> . <i>Analyst</i> , The, 2016, 141, 1922-1929.	1.7	28
74	Tuneable graphene nanopores for single biomolecule detection. <i>Nanoscale</i> , 2016, 8, 10066-10077.	2.8	19
75	High contrast circular grating reflector on silicon-on-insulator platform. <i>Optics Letters</i> , 2016, 41, 520.	1.7	13
76	GFAP Antibody Detection Using Interdigital Coplanar Waveguide Immunosensor. <i>IEEE Sensors Journal</i> , 2016, 16, 2898-2905.	2.4	11
77	Optical Wireless-Based Indoor Localization System Employing a Single-Channel Imaging Receiver. <i>Journal of Lightwave Technology</i> , 2016, 34, 1141-1149.	2.7	20
78	Full-Duplex Gigabit Indoor Optical Wireless Communication System With CAP Modulation. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 790-793.	1.3	55
79	Microglial activation and progressive brain changes in schizophrenia. <i>British Journal of Pharmacology</i> , 2016, 173, 666-680.	2.7	185
80	Space-Time Coded High-Speed Reconfigurable Free-Space Card-to-Card Optical Interconnects with Extended Range. , 2016, , .		3
81	Highly Effective Conductance Modulation in Planar Silicene Field Effect Devices Due to Buckling. <i>Scientific Reports</i> , 2015, 5, 14815.	1.6	12
82	Experimental Demonstration of Optical Wireless Indoor Localization System with Background Light Power Estimation. , 2015, , .		4
83	Experimental demonstration of indoor optical wireless based 3-D localization system. , 2015, , .		0
84	Experimental demonstration of space-time-coded robust high-speed indoor optical wireless communication system. , 2015, , .		2
85	High-speed optical wireless communications in personal areas (Invited). , 2015, , .		0
86	Compact waveguide resonator filter for wavelength-selective reflection and rejection in silicon waveguides. , 2015, , .		0
87	Graphene nano-ribbon with nano-breaks as efficient thermoelectric device. , 2015, , .		0
88	2Å–2 silicon integrated optical phased array for beam steering applications. , 2015, , .		2
89	Feasibility of Energy-Autonomous Wireless Microsensors for Biomedical Applications: Powering and Communication. <i>IEEE Reviews in Biomedical Engineering</i> , 2015, 8, 17-29.	13.1	23
90	Complex Permittivity Measurements in 1â€³30 GHz Using a MEMS Probe. <i>Journal of Microelectromechanical Systems</i> , 2015, 24, 976-981.	1.7	5

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91	Vertical Nanowire Electrode Arrays as Novel Electrochemical Label-Free Immunosensors. <i>Small</i> , 2015, 11, 2862-2868.	5.2	12
92	Graphene nanopores as negative differential resistance devices. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	9
93	Convergent evidence for mGluR5 in synaptic and neuroinflammatory pathways implicated in ASD. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 52, 172-177.	2.9	29
94	Point-of-care molecular diagnostic devices: an overview. <i>Pharmacogenomics</i> , 2015, 16, 1399-1409.	0.6	8
95	Ultra-broadband and low-loss optical power splitter based on tapered silicon waveguides. , 2015, , .		3
96	Full-duplex reconfigurable card-to-card optical interconnects based on hybrid free-space and multi-mode fiber propagation. , 2015, , .		0
97	Polarization insensitive vertical coupler for multi-layer silicon photonic integrated circuits. , 2015, , .		2
98	High Performance Graphene Nano-ribbon Thermoelectric Devices by Incorporation and Dimensional Tuning of Nanopores. <i>Scientific Reports</i> , 2015, 5, 11297.	1.6	71
99	Experimental demonstration of a novel indoor optical wireless localization system for high-speed personal area networks. <i>Optics Letters</i> , 2015, 40, 1246.	1.7	20
100	Label-free screening of single biomolecules through resistive pulse sensing technology for precision medicine applications. <i>Nanotechnology</i> , 2015, 26, 182502.	1.3	17
101	Experimental Demonstration of Full-Duplex Optical Wireless Personal Area Communication System with 16-CAP Modulation. , 2015, , .		6
102	Controlling group delay in single and multi-stage slotted ring resonator with fabrication tolerances. , 2015, , .		0
103	Response to Robinson et al.. <i>Molecular Psychiatry</i> , 2015, 20, 794-794.	4.1	0
104	Decreased expression of mGluR5 within the dorsolateral prefrontal cortex in autism and increased microglial number in mGluR5 knockout mice: Pathophysiological and neurobehavioral implications. <i>Brain, Behavior, and Immunity</i> , 2015, 49, 197-205.	2.0	43
105	Ultra-compact broadband high efficient grating coupler. , 2015, , .		1
106	Electrical and optical response of depleting carrier in active PIN silicon waveguide. , 2015, , .		0
107	Negative differential resistance effect in planar graphene nanoribbon break junctions. <i>Nanoscale</i> , 2015, 7, 289-293.	2.8	37
108	Photonics for Gigabit Wireless Networks. , 2015, , .		4

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109	Recirculating Frequency Shifter-Based Hybrid Electro-Optic Probing System with Ultra-Wide Bandwidth. IEICE Transactions on Electronics, 2015, E98.C, 857-865.	0.3	2
110	Experimental demonstration of free-space based 120 Gb/s reconfigurable card-to-card optical interconnects. Optics Letters, 2014, 39, 5717.	1.7	8
111	Response to Belgard et al.. Molecular Psychiatry, 2014, 19, 407-409.	4.1	4
112	Consumer radar: Opportunities and challenges. , 2014, , .		17
113	Digital Signal Processing for Training-Aided Coherent Optical Single-Carrier Frequency-Domain Equalization Systems. Journal of Lightwave Technology, 2014, 32, 4712-4722.	2.7	13
114	1.15 Tb/s Nyquist PDM 16-QAM Transmission with Joint Matched Filtering and Frequency-Domain Equalization. , 2014, , .		6
115	Design of 120∶1 frequency divider for a 12.6 GHz phase-locked loop. , 2014, , .		0
116	Free-Space 120 Gb/s Reconfigurable Card-to-Card Optical Wireless Interconnects with 16-CAP Modulation. , 2014, , .		3
117	Highly scalable neuromorphic hardware with 1-bit stochastic nano-synapses. , 2014, , .		6
118	A graphene nanoribbon neuro-sensor for glycine detection and imaging. Journal of Applied Physics, 2014, 115, .	1.1	10
119	On the analysis of using 3-coil wireless power transfer system in retinal prosthesis. , 2014, 2014, 6104-7.		0
120	Contactless electronic transport in a bio-molecular junction. Applied Physics Letters, 2014, 105, .	1.5	6
121	Enhanced thermoelectric properties of engineered graphene nano-ribbons with nano-pores. , 2014, , .		2
122	High-speed optical wireless communications in personal area networks. , 2014, , .		0
123	An active 38 GHz differential power divider for automotive radar systems in 65-nm CMOS. , 2014, , .		6
124	Graphene field effect Nanopore glycine detector. , 2014, , .		0
125	Graphene nanopores: electronic transport properties and design methodology. Physical Chemistry Chemical Physics, 2014, 16, 1451-1459.	1.3	24
126	Predicting the diagnosis of autism spectrum disorder using gene pathway analysis. Molecular Psychiatry, 2014, 19, 504-510.	4.1	136

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127	Graphene nanopore field effect transistors. Journal of Applied Physics, 2014, 116, 023709.	1.1	5
128	Circular Bragg grating mirror with high reflectance and wide bandwidth for TM-polarized waves. , 2014, , .		0
129	120 Gb/s reconfigurable optical interconnect based on hybrid free-space and MMF propagations. , 2014, , .		0
130	Dielectric properties of liquid phase molecular clusters using the external field method: molecular dynamics study. Physical Chemistry Chemical Physics, 2014, 16, 13943-13947.	1.3	8
131	Fast wavelength-switchable hybrid laser for energy-efficient optical interconnect. , 2014, , .		0
132	Detection of Protein Conformational Changes with Multilayer Graphene Nanopore Sensors. ACS Applied Materials & Interfaces, 2014, 6, 16777-16781.	4.0	16
133	Design and implementation of an 11-bit 50-MS/s split SAR ADC in 65 nm CMOS. , 2014, , .		3
134	Asymmetrically-gated graphene self-switching diodes as negative differential resistance devices. Nanoscale, 2014, 6, 7628-7634.	2.8	25
135	A Complete 256-Electrode Retinal Prosthesis Chip. IEEE Journal of Solid-State Circuits, 2014, 49, 751-765.	3.5	73
136	On the Utility of Dielectric Spectroscopy Techniques to Identify Compounds and Estimate Concentrations of Binary Mixtures. IEEE Sensors Journal, 2014, 14, 538-546.	2.4	3
137	Silicon nanowire photodetector enhanced by a bow-tie antenna. Applied Physics A: Materials Science and Processing, 2014, 115, 491-493.	1.1	6
138	Gapped graphene nanopores with enhanced operating current and sensitivity for biological and chemical sensing applications. Applied Physics Letters, 2014, 105, 033104.	1.5	3
139	All-Graphene Planar Double Barrier Resonant Tunneling Diodes. IEEE Journal of the Electron Devices Society, 2014, 2, 118-122.	1.2	16
140	A flexible wide bandwidth electro-optic probing system using a recirculating frequency shifter. , 2014, , .		3
141	Filling schemes at submicron scale: Development of submicron sized plasmonic colour filters. Scientific Reports, 2014, 4, 6435.	1.6	55
142	All-Graphene Planar Self-Switching MISFEDs, Metal-Insulator-Semiconductor Field-Effect Diodes. Scientific Reports, 2014, 4, 3983.	1.6	42
143	Memristive in Situ Computing. , 2014, , 413-428.		2
144	Training-Aided PDM 64-QAM Transmission with Enhanced Fiber Nonlinearity Tolerance. , 2014, , .		3

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145	Experimental demonstration of high-speed reconfigurable card-to-card optical interconnects with broadcast capability. , 2013, , .		1
146	Modeling and Estimating Simulated DNA Nanopore Translocation Signals. IEEE Sensors Journal, 2013, 13, 1216-1222.	2.4	6
147	An ultra-low-power and low-noise voltage-controlled ring oscillator for biomedical applications. , 2013, , .		15
148	Coupling invariant inductive link for wireless power delivery to a retinal prosthesis. , 2013, 2013, 3250-3.		3
149	Design of a capacitive DAC mismatch calibrator for split SAR ADC in 65 nm CMOS. , 2013, , .		5
150	A fully integrated 200 µW, 40pJ/b wireless transmitter for implanted medical devices and neural prostheses. , 2013, 2013, 3246-9.		1
151	Investigation of Frequency-Dependent Effects in Inductive Coils for Implantable Electronics. IEEE Transactions on Magnetics, 2013, 49, 1353-1360.	1.2	25
152	A CMOS wideband highly linear variable gain amplifier. , 2013, , .		1
153	Ultra low power LNA design for biomedical implants. , 2013, , .		0
154	Performance of High-Speed Reconfigurable Free-Space Card-to-Card Optical Interconnects Under Air Turbulence. Journal of Lightwave Technology, 2013, 31, 1687-1693.	2.7	12
155	Performance Analysis of On-Chip Coplanar Waveguide for In Vivo Dielectric Analysis. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 641-647.	2.4	14
156	Balanced heterodyne architecture for improving the noise performance of electro-optic probing systems. , 2013, , .		3
157	Microring-based wavelength-selective reflection/rejection filter with independently determined bandwidth and reflectance. , 2013, , .		1
158	An ab-initio Computational Method to Determine Dielectric Properties of Biological Materials. Scientific Reports, 2013, 3, 1796.	1.6	23
159	A charge-balanced 4-wire interface for the interconnections of biomedical implants. , 2013, , .		3
160	A CMOS 77-GHz Receiver Front-End for Automotive Radar. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3783-3793.	2.9	42
161	Analysis of Optimum Aspect Ratio of Transistor for a Low-Power and Low-Phase Noise VCO for Biomedical Applications. , 2013, , .		1
162	Distributed routing for signal detection in wireless sensor networks. Computer Networks, 2013, 57, 3957-3966.	3.2	1

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163	An associative capacitive network based on nanoscale complementary resistive switches for memory-intensive computing. <i>Nanoscale</i> , 2013, 5, 5119.	2.8	44
164	A Low Power MICS Band Phase-Locked Loop for High Resolution Retinal Prosthesis. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2013, 7, 513-525.	2.7	23
165	Comparison of corrected calibration independent transmission coefficient method to estimate complex permittivity. <i>Sensors and Actuators A: Physical</i> , 2013, 189, 466-473.	2.0	7
166	Graphene Self Switching Diodes with high rectification ratios. , 2013, , .		6
167	Design of a compact ultra wideband balanced-to-balanced power divider/combiner. , 2013, , .		12
168	Detection of weak nano-biosensor signals corrupted by shot noise. , 2013, , .		0
169	Distortion analysis and calculation of wide-band track and hold amplifier. , 2013, , .		0
170	Data-Aided OSNR Estimation for QPSK and 16-QAM Coherent Optical System. <i>IEEE Photonics Journal</i> , 2013, 5, 6601609-6601609.	1.0	28
171	Experimental demonstration of high-speed free-space reconfigurable card-to-card optical interconnects. <i>Optics Express</i> , 2013, 21, 2850.	1.7	16
172	High-speed free-space based reconfigurable card-to-card optical interconnects with broadcast capability. <i>Optics Express</i> , 2013, 21, 15395.	1.7	11
173	Applying implicit training to polarization-division-multiplexed coherent optical systems. <i>Optics Express</i> , 2013, 21, 20187.	1.7	4
174	Flexible bandwidth DGD estimation for coherent optical OFDM system. <i>Optics Express</i> , 2013, 21, 25788.	1.7	1
175	High-speed reconfigurable card-to-card optical interconnects based on hybrid free-space and multi-mode fiber propagations. <i>Optics Express</i> , 2013, 21, 31166.	1.7	3
176	Nanosensors for next generation drug screening. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
177	Development of silicon optics for an integrated micro-optical system-on-a-chip. , 2013, , .		0
178	Quantum conductance of armchair graphene nanopores with edge impurities. <i>Journal of Applied Physics</i> , 2013, 114, 073703.	1.1	8
179	A flexible biphasic pulse generating and accurate charge balancing stimulator with a neural recording amplifier. , 2013, , .		1
180	Enhanced Performance for Implicit Training-Aided Coherent Optical Systems by Self-Interference Removal. , 2013, , .		0

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181	Consumer radar: Technology and limitations. , 2013, , .		6
182	A method for evaporating silicon to form low dimensional Si lattice structures. , 2013, , .		0
183	Free-space optics for high-speed reconfigurable card-to-card optical interconnects. , 2013, , .		2
184	Experimental Demonstration of Reconfigurable Optical Interconnect based on Hybrid Free-Space and Multi-Mode Fiber Propagation. , 2013, , .		1
185	Low-Complexity Fractionally-Spaced Frequency Domain Equalization with Improved Channel Estimation for Long-Haul Coherent Optical Systems. , 2013, , .		6
186	Experimental Demonstration of a Centralized Optical Wireless Indoor Localization System for High-Speed Communications in Personal Areas. , 2013, , .		1
187	High-Speed Full-Duplex Optical Wireless Communication System with Single Channel Imaging Receiver for Personal Area Networks. IEICE Transactions on Electronics, 2013, E96.C, 180-186.	0.3	0
188	Data-Aided Second-Order Polarization-Mode Dispersion Estimation for QPSK and 16-QAM Coherent Optical Systems. , 2013, , .		0
189	High-Speed Reconfigurable Card-to-Card Optical Interconnects with Multicasting Capability. , 2013, , .		0
190	High-Speed Indoor Optical Wireless Communication System with a Steering Mirror Based Up-Link Receiver. , 2012, , .		5
191	High-speed indoor optical wireless communication system with single channel imaging receiver. Optics Express, 2012, 20, 8442.	1.7	27
192	Improved two-stage equalization for coherent Pol-Mux QPSK and 16-QAM systems. Optics Express, 2012, 20, B141.	1.7	5
193	High-speed indoor optical wireless communication system with single channel imaging receiver: erratum. Optics Express, 2012, 20, 25356.	1.7	0
194	OFDM Versus Single Carrier Towards Spectrally Efficient 100ÅGb/s Transmission With Direct Detection. Journal of Optical Communications and Networking, 2012, 4, 779.	3.3	7
195	Experimental demonstration of 3Å–310â€™Gb/s reconfigurable free space optical card-to-card interconnects. Optics Letters, 2012, 37, 2553.	1.7	13
196	Statistical moments-based OSNR monitoring for coherent optical systems. Optics Express, 2012, 20, 17711.	1.7	54
197	Ultra-broadband indoor optical wireless communication system with multimode fiber. Optics Letters, 2012, 37, 1514.	1.7	8
198	A 77 GHz CMOS low noise amplifier for automotive radar receiver. , 2012, , .		17

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199	A 77 GHz automotive radar transmitter in 65-nm CMOS. , 2012, , .		2
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