

Efstratios Skafidas

List of Publications by Year in Descending Order

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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.

266
papers

2,966
citations

25
h-index

40
g-index

346
ext. papers

3,709
ext. citations

4.2
avg, IF

5.34
L-index

#	Paper	IF	Citations
266	Low-Temperature Solution-Processed Transparent QLED Using Inorganic Metal Oxide Carrier Transport Layers (Adv. Funct. Mater. 3/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270015	15.6	
265	Design and Optimisation of Elliptical-Shaped Planar Hall Sensor for Biomedical Applications.. <i>Biosensors</i> , 2022 , 12,	5.9	1
264	Meander Thin-Film Biosensor Fabrication to Investigate the Influence of Structural Parameters on the Magneto-Impedance Effect. <i>Sensors</i> , 2021 , 21,	3.8	2
263	Heater Integrated Lab-on-a-Chip Device for Rapid HLA Alleles Amplification towards Prevention of Drug Hypersensitivity. <i>Sensors</i> , 2021 , 21,	3.8	2
262	Letter: improved parsimony of genetic risk scores for coeliac disease through refined HLA modelling. <i>Alimentary Pharmacology and Therapeutics</i> , 2021 , 53, 759-760	6.1	1
261	Structural and functional brain abnormalities in children with schizotypal disorder: a pilot study. <i>NPJ Schizophrenia</i> , 2020 , 6, 6	5.5	2
260	Recent advances in printable thermoelectric devices: materials, printing techniques, and applications.. <i>RSC Advances</i> , 2020 , 10, 8421-8434	3.7	30
259	A meta-analysis of in vitro exposures to weak radiofrequency radiation exposure from mobile phones (1990-2015). <i>Environmental Research</i> , 2020 , 184, 109227	7.9	13
258	Magneto-Impedance Biosensor Sensitivity: Effect and Enhancement. <i>Sensors</i> , 2020 , 20,	3.8	7
257	Improved HLA-based prediction of coeliac disease identifies two novel genetic interactions. <i>European Journal of Human Genetics</i> , 2020 , 28, 1743-1752	5.3	4
256	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, 046104	5.2	18
255	Development of an Ultrasensitive Impedimetric Immunosensor Platform for Detection of Lactate Dehydrogenase. <i>Sensors</i> , 2019 , 19,	3.8	9
254	Fully Solution-Processed Transparent Artificial Neural Network Using Drop-On-Demand Electrohydrodynamic Printing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17521-17530	9.5	16
253	Tunneling-Limited Thermoelectric Transport in Carbon Nanotube Networks Embedded in Poly(dimethylsiloxane) Elastomer. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2419-2426	6.1	17
252	Cross-ethnicity tagging SNPs for HLA alleles associated with adverse drug reaction. <i>Pharmacogenomics Journal</i> , 2019 , 19, 230-239	3.5	5
251	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,	3.8	2
250	A Fully Printed Backscatter Radio Transceiver 2019 ,		1

249	Memristive In Situ Computing 2019 , 1005-1020		1
248	Ultrasensitive and label-free biosensor for the detection of Plasmodium falciparum histidine-rich protein II in saliva. <i>Scientific Reports</i> , 2019 , 9, 17495	4.9	10
247	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. <i>ACS Nano</i> , 2019 , 13, 13957-13964	16.7	22
246	Experimental Demonstration of Indoor Infrared Optical Wireless Communications With a Silicon Photonic Integrated Circuit. <i>Journal of Lightwave Technology</i> , 2019 , 37, 619-626	4	15
245	High-Speed Reconfigurable Free-Space Optical Interconnects with Carrierless-Amplitude-Phase Modulation and Space-Time-Block Code. <i>Journal of Lightwave Technology</i> , 2019 , 37, 627-633	4	7
244	Graphene foam as a biocompatible scaffold for culturing human neurons. <i>Royal Society Open Science</i> , 2018 , 5, 171364	3.3	10
243	Rapid, Loop-Mediated Isothermal Amplification Detection of Celiac Disease Risk Alleles. <i>Journal of Molecular Diagnostics</i> , 2018 , 20, 307-315	5.1	2
242	An interdigitated electrode biosensor platform for rapid HLA-B*15:02 genotyping for prevention of drug hypersensitivity. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 174-183	11.8	14
241	Phenotypic and Functional Characterization of Peripheral Sensory Neurons derived from Human Embryonic Stem Cells. <i>Scientific Reports</i> , 2018 , 8, 603	4.9	27
240	Investigating enhanced thermoelectric performance of graphene-based nano-structures. <i>Nanoscale</i> , 2018 , 10, 4786-4792	7.7	11
239	A compact silicon grating coupler based on hollow tapered spot-size converter. <i>Scientific Reports</i> , 2018 , 8, 2540	4.9	10
238	Attentional set-shifting and social abilities in children with schizotypal and comorbid autism spectrum disorders. <i>Australian and New Zealand Journal of Psychiatry</i> , 2018 , 52, 68-77	2.6	16
237	Self-Organized Nanostructure Modified Microelectrode for Sensitive Electrochemical Glutamate Detection in Stem Cells-Derived Brain Organoids. <i>Biosensors</i> , 2018 , 8,	5.9	13
236	High-speed indoor optical wireless communication system employing a silicon integrated photonic circuit. <i>Optics Letters</i> , 2018 , 43, 3132-3135	3	24
235	Millimeter-wave integrated radar systems and techniques 2018 , 317-363		14
234	Facile fabrication of an electrolyte-gated In ₂ O ₃ nanoparticle-based thin-film transistor uniting laser ablation and inkjet printing. <i>Flexible and Printed Electronics</i> , 2018 , 3, 042001	3.1	5
233	Pathway-wide association study identifies five shared pathways associated with schizophrenia in three ancestral distinct populations. <i>Translational Psychiatry</i> , 2017 , 7, e1037	8.6	16
232	Space-Time-Coded High-Speed Reconfigurable Card-to-Card Free-Space Optical Interconnects. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, A189	4.1	5

231	A cluster analysis exploration of autism spectrum disorder subgroups in children without intellectual disability. <i>Research in Autism Spectrum Disorders</i> , 2017 , 36, 66-78	3	15
230	Compact Silicon Photonic Grating Coupler With Dual-Taper Partial Overlay Spot-Size Converter. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-7	1.8	5
229	No preliminary evidence of differences in astrocyte density within the white matter of the dorsolateral prefrontal cortex in autism. <i>Molecular Autism</i> , 2017 , 8, 64	6.5	8
228	A tight binding and [Formula: see text] study of monolayer stanene. <i>Scientific Reports</i> , 2017 , 7, 12069	4.9	6
227	A Silk Fibroin Bio-Transient Solution Processable Memristor. <i>Scientific Reports</i> , 2017 , 7, 14731	4.9	33
226	Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1261-1264	2.2	3
225	Indoor infrared optical wireless localization system with background light power estimation capability. <i>Optics Express</i> , 2017 , 25, 22923-22931	3.3	20
224	Plasmonic Colour Filters Based on Coaxial Holes in Aluminium. <i>Materials</i> , 2017 , 10,	3.5	19
223	A Label-Free, Quantitative Fecal Hemoglobin Detection Platform for Colorectal Cancer Screening. <i>Biosensors</i> , 2017 , 7,	5.9	6
222	WDR62 Regulates Early Neural and Glial Progenitor Specification of Human Pluripotent Stem Cells. <i>Stem Cells International</i> , 2017 , 2017, 7848932	5	10
221	Microglial activation and progressive brain changes in schizophrenia. <i>British Journal of Pharmacology</i> , 2016 , 173, 666-80	8.6	126
220	Multi-gigabit indoor optical wireless networks [Feasibility and challenges 2016 ,		4
219	Resonant tunneling based graphene quantum dot memristors. <i>Nanoscale</i> , 2016 , 8, 20074-20079	7.7	15
218	Environmentally friendly power generator based on moving liquid dielectric and double layer effect. <i>Scientific Reports</i> , 2016 , 6, 26708	4.9	18
217	Energy-filtered Electron Transport Structures for Low-power Low-noise 2-D Electronics. <i>Scientific Reports</i> , 2016 , 6, 36167	4.9	5
216	Four-Wave-Mixing-Based Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1739-1742	2.2	12
215	All-Graphene Planar Double-Quantum-Dot Resonant Tunneling Diodes. <i>IEEE Journal of the Electron Devices Society</i> , 2016 , 4, 30-39	2.3	8
214	Lab on a chip sensor for rapid detection and antibiotic resistance determination of <i>Staphylococcus aureus</i> . <i>Analyst, The</i> , 2016 , 141, 1922-9	5	23

213	Tuneable graphene nanopores for single biomolecule detection. <i>Nanoscale</i> , 2016 , 8, 10066-77	7.7	16
212	High contrast circular grating reflector on silicon-on-insulator platform. <i>Optics Letters</i> , 2016 , 41, 520-3	3	9
211	GFAP Antibody Detection Using Interdigital Coplanar Waveguide Immunosensor. <i>IEEE Sensors Journal</i> , 2016 , 16, 2898-2905	4	9
210	Optical Wireless-Based Indoor Localization System Employing a Single-Channel Imaging Receiver. <i>Journal of Lightwave Technology</i> , 2016 , 34, 1141-1149	4	17
209	. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 790-793	2.2	32
208	Low-Loss and Broadband $\lambda/2$ times 2λ Polarization Beam Splitter Based on Silicon Nitride Platform. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1936-1939	2.2	15
207	Enhanced thermoelectric performance of graphene nanoribbon-based devices. <i>Journal of Applied Physics</i> , 2016 , 119, 125106	2.5	8
206	Non-equilibrium tunneling in zigzag graphene nanoribbon break-junction results in spin filtering. <i>Journal of Applied Physics</i> , 2016 , 119, 053902	2.5	2
205	Monolayer MoS ₂ self-switching diodes. <i>Journal of Applied Physics</i> , 2016 , 119, 044506	2.5	13
204	Feasibility study of molecular memory device based on DNA using methylation to store information. <i>Journal of Applied Physics</i> , 2016 , 120, 025501	2.5	
203	Ultra-broadband and low-loss 3 dB optical power splitter based on adiabatic tapered silicon waveguides. <i>Optics Letters</i> , 2016 , 41, 2053-6	3	46
202	Multiple layers of silicon/germanium (Si ₃ Ge ₂ O ₇) pair onto silicon substrate towards highly efficient, wideband silicon photonic grating coupler. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	2
201	Performance Enhanced Butt Coupling for Effective Interconnection Between Fiber and Silicon Nanowire. <i>IEEE Journal of Quantum Electronics</i> , 2016 , 52, 1-6	2	8
200	Vertical Nanowire Electrode Arrays as Novel Electrochemical Label-Free Immunosensors. <i>Small</i> , 2015 , 11, 2862-8	11	10
199	Graphene nanopores as negative differential resistance devices. <i>Journal of Applied Physics</i> , 2015 , 117, 054306	2.5	6
198	Convergent evidence for mGluR5 in synaptic and neuroinflammatory pathways implicated in ASD. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 52, 172-7	9	18
197	Point-of-care molecular diagnostic devices: an overview. <i>Pharmacogenomics</i> , 2015 , 16, 1399-409	2.6	7
196	2015 ,		1

195	High Performance Graphene Nano-ribbon Thermoelectric Devices by Incorporation and Dimensional Tuning of Nanopores. <i>Scientific Reports</i> , 2015 , 5, 11297	4.9	53
194	Experimental demonstration of a novel indoor optical wireless localization system for high-speed personal area networks. <i>Optics Letters</i> , 2015 , 40, 1246-9	3	15
193	Label-free screening of single biomolecules through resistive pulse sensing technology for precision medicine applications. <i>Nanotechnology</i> , 2015 , 26, 182502	3.4	13
192	Experimental Demonstration of Full-Duplex Optical Wireless Personal Area Communication System with 16-CAP Modulation 2015 ,		4
191	Response to Robinson et al. <i>Molecular Psychiatry</i> , 2015 , 20, 794	15.1	
190	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	16.6	28
189	Ultra-compact broadband high efficient grating coupler 2015 ,		1
188	Negative differential resistance effect in planar graphene nanoribbon break junctions. <i>Nanoscale</i> , 2015 , 7, 289-93	7.7	32
187	Highly Effective Conductance Modulation in Planar Silicene Field Effect Devices Due to Buckling. <i>Scientific Reports</i> , 2015 , 5, 14815	4.9	9
186	Experimental Demonstration of Optical Wireless Indoor Localization System with Background Light Power Estimation 2015 ,		2
185	Experimental demonstration of space-time-coded robust high-speed indoor optical wireless communication system 2015 ,		1
184	Feasibility of Energy-Autonomous Wireless Microsensors for Biomedical Applications: Powering and Communication. <i>IEEE Reviews in Biomedical Engineering</i> , 2015 , 8, 17-29	6.4	17
183	Complex Permittivity Measurements in 180 GHz Using a MEMS Probe. <i>Journal of Microelectromechanical Systems</i> , 2015 , 24, 976-981	2.5	4
182	Photonics for Gigabit Wireless Networks 2015 ,		2
181	Recirculating Frequency Shifter-Based Hybrid Electro-Optic Probing System with Ultra-Wide Bandwidth. <i>IEICE Transactions on Electronics</i> , 2015 , E98.C, 857-865	0.4	1
180	All-graphene planar self-switching MISFEDs, Metal-Insulator-Semiconductor Field-Effect Diodes. <i>Scientific Reports</i> , 2014 , 4, 3983	4.9	34
179	Graphene nanopores: electronic transport properties and design methodology. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 1451-9	3.6	22
178	Predicting the diagnosis of autism spectrum disorder using gene pathway analysis. <i>Molecular Psychiatry</i> , 2014 , 19, 504-10	15.1	106

177	Graphene nanopore field effect transistors. <i>Journal of Applied Physics</i> , 2014 , 116, 023709	2.5	5
176	Dielectric properties of liquid phase molecular clusters using the external field method: molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 13943-7	3.6	8
175	Detection of protein conformational changes with multilayer graphene nanopore sensors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16777-81	9.5	12
174	Design and implementation of an 11-bit 50-MS/s split SAR ADC in 65 nm CMOS 2014 ,		2
173	Asymmetrically-gated graphene self-switching diodes as negative differential resistance devices. <i>Nanoscale</i> , 2014 , 6, 7628-34	7.7	22
172	A Complete 256-Electrode Retinal Prosthesis Chip. <i>IEEE Journal of Solid-State Circuits</i> , 2014 , 49, 751-765	5.5	50
171	On the Utility of Dielectric Spectroscopy Techniques to Identify Compounds and Estimate Concentrations of Binary Mixtures. <i>IEEE Sensors Journal</i> , 2014 , 14, 538-546	4	2
170	Silicon nanowire photodetector enhanced by a bow-tie antenna. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 491-493	2.6	5
169	Gapped graphene nanopores with enhanced operating current and sensitivity for biological and chemical sensing applications. <i>Applied Physics Letters</i> , 2014 , 105, 033104	3.4	2
168	All-Graphene Planar Double Barrier Resonant Tunneling Diodes. <i>IEEE Journal of the Electron Devices Society</i> , 2014 , 2, 118-122	2.3	14
167	A flexible wide bandwidth electro-optic probing system using a recirculating frequency shifter 2014 ,		2
166	Filling schemes at submicron scale: development of submicron sized plasmonic colour filters. <i>Scientific Reports</i> , 2014 , 4, 6435	4.9	44
165	Experimental demonstration of free-space based 120 Gb/s reconfigurable card-to-card optical interconnects. <i>Optics Letters</i> , 2014 , 39, 5717-20	3	5
164	Response to Belgard et al. <i>Molecular Psychiatry</i> , 2014 , 19, 407-9	15.1	2
163	Consumer radar: Opportunities and challenges 2014 ,		9
162	Digital Signal Processing for Training-Aided Coherent Optical Single-Carrier Frequency-Domain Equalization Systems. <i>Journal of Lightwave Technology</i> , 2014 , 32, 4712-4722	4	8
161	1.15 Tb/s Nyquist PDM 16-QAM Transmission with Joint Matched Filtering and Frequency-Domain Equalization 2014 ,		5
160	Free-Space 120 Gb/s Reconfigurable Card-to-Card Optical Wireless Interconnects with 16-CAP Modulation 2014 ,		3

159	Highly scalable neuromorphic hardware with 1-bit stochastic nano-synapses 2014 ,		6
158	A graphene nanoribbon neuro-sensor for glycine detection and imaging. <i>Journal of Applied Physics</i> , 2014 , 115, 214303	2.5	8
157	On the analysis of using 3-coil wireless power transfer system in retinal prosthesis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6104-7	0.9	
156	Contactless electronic transport in a bio-molecular junction. <i>Applied Physics Letters</i> , 2014 , 105, 043102	3.4	4
155	Enhanced thermoelectric properties of engineered graphene nano-ribbons with nano-pores 2014 ,		2
154	An active 38 GHz differential power divider for automotive radar systems in 65-nm CMOS 2014 ,		2
153	Memristive in Situ Computing 2014 , 413-428		2
152	Training-Aided PDM 64-QAM Transmission with Enhanced Fiber Nonlinearity Tolerance 2014 ,		3
151	Experimental demonstration of high-speed reconfigurable card-to-card optical interconnects with broadcast capability 2013 ,		1
150	Modeling and Estimating Simulated DNA Nanopore Translocation Signals. <i>IEEE Sensors Journal</i> , 2013 , 13, 1216-1222	4	3
149	An ultra-low-power and low-noise voltage-controlled ring oscillator for biomedical applications 2013 ,		11
148	Coupling invariant inductive link for wireless power delivery to a retinal prosthesis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3250-3	0.9	3
147	Design of a capacitive DAC mismatch calibrator for split SAR ADC in 65 nm CMOS 2013 ,		3
146	A fully integrated 200 μ W, 40 pJ/b wireless transmitter for implanted medical devices and neural prostheses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3246-9	0.9	0
145	Investigation of Frequency-Dependent Effects in Inductive Coils for Implantable Electronics. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1353-1360	2	19
144	Performance of High-Speed Reconfigurable Free-Space Card-to-Card Optical Interconnects Under Air Turbulence. <i>Journal of Lightwave Technology</i> , 2013 , 31, 1687-1693	4	8
143	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013 , 62, 641-647	5.2	10
142	Balanced heterodyne architecture for improving the noise performance of electro-optic probing systems 2013 ,		2

141	Microring-based wavelength-selective reflection/rejection filter with independently determined bandwidth and reflectance 2013 ,		1
140	An ab-initio computational method to determine dielectric properties of biological materials. <i>Scientific Reports</i> , 2013 , 3, 1796	4.9	13
139	A charge-balanced 4-wire interface for the interconnections of biomedical implants 2013 ,		2
138	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3783-3793	4.1	26
137	Analysis of Optimum Aspect Ratio of Transistor for a Low-Power and Low-Phase Noise VCO for Biomedical Applications 2013 ,		1
136	Distributed routing for signal detection in wireless sensor networks. <i>Computer Networks</i> , 2013 , 57, 3957-3966	5.1	1
135	An associative capacitive network based on nanoscale complementary resistive switches for memory-intensive computing. <i>Nanoscale</i> , 2013 , 5, 5119-28	7.7	39
134	A low power MICS band phase-locked loop for high resolution retinal prosthesis. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2013 , 7, 513-25	5.1	9
133	Comparison of corrected calibration independent transmission coefficient method to estimate complex permittivity. <i>Sensors and Actuators A: Physical</i> , 2013 , 189, 466-473	3.9	7
132	Graphene Self Switching Diodes with high rectification ratios 2013 ,		5
131	Design of a compact ultra wideband balanced-to-balanced power divider/combiner 2013 ,		8
130	Data-Aided OSNR Estimation for QPSK and 16-QAM Coherent Optical System. <i>IEEE Photonics Journal</i> , 2013 , 5, 6601609-6601609	1.8	22
129	Experimental demonstration of high-speed free-space reconfigurable card-to-card optical interconnects. <i>Optics Express</i> , 2013 , 21, 2850-61	3.3	14
128	High-speed free-space based reconfigurable card-to-card optical interconnects with broadcast capability. <i>Optics Express</i> , 2013 , 21, 15395-400	3.3	9
127	Applying implicit training to polarization-division-multiplexed coherent optical systems. <i>Optics Express</i> , 2013 , 21, 20187-96	3.3	3
126	Flexible bandwidth DGD estimation for coherent optical OFDM system. <i>Optics Express</i> , 2013 , 21, 25788-95	3.3	1
125	High-speed reconfigurable card-to-card optical interconnects based on hybrid free-space and multi-mode fiber propagations. <i>Optics Express</i> , 2013 , 21, 31166-75	3.3	2
124	Nanosensors for next generation drug screening 2013 ,		2

123	Quantum conductance of armchair graphene nanopores with edge impurities. <i>Journal of Applied Physics</i> , 2013 , 114, 073703	2.5	6
122	A flexible biphasic pulse generating and accurate charge balancing stimulator with a 1W neural recording amplifier 2013 ,		1
121	Consumer radar: Technology and limitations 2013 ,		6
120	Free-space optics for high-speed reconfigurable card-to-card optical interconnects 2013 ,		1
119	Low-Complexity Fractionally-Spaced Frequency Domain Equalization with Improved Channel Estimation for Long-Haul Coherent Optical Systems 2013 ,		6
118	Experimental Demonstration of a Centralized Optical Wireless Indoor Localization System for High-Speed Communications in Personal Areas 2013 ,		1
117	High-Speed Full-Duplex Optical Wireless Communication System with Single Channel Imaging Receiver for Personal Area Networks. <i>IEICE Transactions on Electronics</i> , 2013 , E96.C, 180-186	0.4	
116	Impact of Crosstalk on Indoor WDM Optical Wireless Communication Systems. <i>IEEE Photonics Journal</i> , 2012 , 4, 375-386	1.8	8
115	Functionalized nanowire-based antigen detection using frequency-based signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 213-8	5	5
114	. <i>IEEE Photonics Journal</i> , 2012 , 4, 1407-1419	1.8	12
113	A low-power, small-area and programmable bandgap reference 2012 ,		2
112	Performance of reconfigurable free-space card-to-card optical interconnects under atmospheric turbulence 2012 ,		1
111	Single carrier QPSK and 16 QAM system demonstration using frequency domain equalization and training sequences 2012 ,		2
110	Emergence of competitive control in a memristor-based neuromorphic circuit 2012 ,		4
109	Two-stage frequency domain blind equalization for coherent pol-mux 16-QAM system with CD prediction and dual-mode adaptive algorithm 2012 ,		1
108	A High Performance Low Cost CMOS Radar for Advanced Driving Assistance Applications 2012 ,		3
107	Design of the internal DAC in SAR ADCs 2012 ,		3
106	Band-pass sampling techniques for high resolution multi-channel single-chip radar systems 2012 ,		3

105	Indoor optical wireless localization system with height estimation for high-speed wireless communications in personal areas 2012 ,		1
104	Optical performance monitoring for OFDM using low bandwidth coherent receivers. <i>Optics Express</i> , 2012 , 20, 28724-33	3.3	5
103	Frequency domain multi-modulus blind equalization for coherent 16 QAM polarization-multiplexed system 2012 ,		1
102	A precise charge balancing and compliance voltage monitoring stimulator front-end for 1024-electrodes retinal prosthesis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3001-4	0.9	2
101	A simple voltage reference with ultra supply independency 2012 ,		3
100	. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 188-190	2.2	23
99	Identification of MIMO systems with sparse transfer function coefficients. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	5
98	Slow-wave slot microstrip transmission line and bandpass filter for compact millimetre-wave integrated circuits on bulk complementary metal oxide semiconductor. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 1548-1555	1.6	6
97	Design of hybrid resistive-capacitive DAC for SAR A/D converters 2012 ,		6
96	A CMOS track-and-hold circuit with beyond 30 GHz input bandwidth 2012 ,		5
95	High-Speed Indoor Optical Wireless Communication System with a Steering Mirror Based Up-Link Receiver 2012 ,		2
94	High-speed indoor optical wireless communication system with single channel imaging receiver. <i>Optics Express</i> , 2012 , 20, 8442-56	3.3	21
93	Improved two-stage equalization for coherent Pol-Mux QPSK and 16-QAM systems. <i>Optics Express</i> , 2012 , 20, B141-50	3.3	5
92	High-speed indoor optical wireless communication system with single channel imaging receiver: erratum. <i>Optics Express</i> , 2012 , 20, 25356	3.3	
91	OFDM Versus Single Carrier Towards Spectrally Efficient 100Gb/s Transmission With Direct Detection. <i>Journal of Optical Communications and Networking</i> , 2012 , 4, 779	4.1	7
90	Experimental demonstration of 3B 10 Gb/s reconfigurable free space optical card-to-card interconnects. <i>Optics Letters</i> , 2012 , 37, 2553-5	3	7
89	Statistical moments-based OSNR monitoring for coherent optical systems. <i>Optics Express</i> , 2012 , 20, 17713-21	3.3	42
88	Ultra-broadband indoor optical wireless communication system with multimode fiber. <i>Optics Letters</i> , 2012 , 37, 1514-6	3	6

87	A 77 GHz CMOS low noise amplifier for automotive radar receiver 2012 ,		11
86	Data-Aided Chromatic Dispersion Estimation for Polarization Multiplexed Optical Systems. <i>IEEE Photonics Journal</i> , 2012 , 4, 2037-2049	1.8	12
85	A 400-mW 3-GHz comparator in 65-nm CMOS 2012 ,		1
84	85-Gb/s 40-Gb/s Optical Coherent Pol-Mux Single Carrier System With Frequency Domain Equalization and Training Sequences. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 885-887	2.2	20
83	PMD monitoring in 16-QAM coherent optical system using golay sequences 2012 ,		3
82	Crosstalk current measurements using multi-electrode arrays in saline. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3021-4	0.9	
81	Frequency-Domain Blind Equalization for Long-Haul Coherent Pol-Mux 16-QAM System With CD Prediction and Dual-Mode Adaptive Algorithm. <i>IEEE Photonics Journal</i> , 2012 , 4, 1653-1661	1.8	8
80	Chromatic Dispersion Estimation in 40 Gb/s Coherent Polarization-Multiplexed Single Carrier System using Complementary Golay Sequences 2012 ,		8
79	A 20 pJ/b (10 μ W) digital receiver based on a new modulation (SAS) for retinal prosthesis application 2011 ,		1
78	A novel slow-wave structure for millimeter-wave filter application on bulk CMOS 2011 ,		3
77	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1988-1996	4	66
76	Scalable and Spectrally Efficient Long-Reach Optical Access Networks Employing Frequency Interleaved Directly Detected Optical OFDM. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 881	4.1	8
75	Indoor gigabit full-duplex optical wireless communication system with SCM based multiple-user access 2011 ,		2
74	Impact of background light induced shot noise in high-speed full-duplex indoor optical wireless communication systems. <i>Optics Express</i> , 2011 , 19, 21321-32	3.3	14
73	Design of co-planar waveguide-fed slot/patch antenna with wire bond for a 60-GHz complementary metal-oxide-semiconductor transceiver. <i>IET Microwaves, Antennas and Propagation</i> , 2011 , 5, 490	1.6	6
72	A 7GHz 1mV-input-resolution comparator with 40mV-input-referred-offset compensation capability in 65NM CMOS 2011 ,		1
71	An ultra low power digital receiver architecture for biomedical applications 2011 ,		6
70	A subthreshold down converter optimized for super-low-power applications in MICS Band 2011 ,		5

69	. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 519-521	2.2	69
68	A prototype 64-electrode stimulator in 65 nm CMOS process towards a high density epi-retinal prosthesis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6729-32	0.9	14
67	A low-power 5-75-GHz common-gate subharmonic mixer in 65-nm CMOS 2011 ,		2
66	Wireless power delivery for retinal prostheses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 8356-60	0.9	11
65	100 Gb/s 1024-way-split 100-km long-reach PON using spectrally efficient frequency interleaved directly detected optical OFDM 2011 ,		2
64	High-Speed Full-Duplex Optical Wireless Communication Systems for Indoor Applications 2011 ,		2
63	Radar-on-a-chip (ROACH) 2010 ,		6
62	Distortion analysis of ultra wide-band diode bridge track and hold amplifier 2010 ,		1
61	A 65nm CMOS low-power, low-voltage bandgapreference with using self-biased composite cascode opamp 2010 ,		1
60	575 GHz common-gate subharmonic mixer in 65 nm CMOS. <i>Electronics Letters</i> , 2010 , 46, 1203	1.1	4
59	A super low power MICS band receiver front-end down converter on 65 nm CMOS 2010 ,		2
58	High-Q flexible spiral inductive coils 2010 ,		6
57	High-speed duplex optical wireless communication system for indoor personal area networks. <i>Optics Express</i> , 2010 , 18, 25199-216	3.3	44
56	Capacity and data rate for millimeter wavelength systems in a short range package radio transceiver. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 903-906	9.6	13
55	Gigabit optical wireless communication system for indoor applications 2010 ,		3
54	Distributed source localization in wireless sensor networks 2010 ,		1
53	Indoor gigabit optical wireless communication system for personal area networks 2010 ,		5
52	A Flexible Electrode Driver Using 65 nm CMOS Process for 1024-Electrode Epi-Retinal Prosthesis 2010 ,		3

51	Robust estimation of GCD with sparse coefficients. <i>Signal Processing</i> , 2010 , 90, 972-976	4.4	4
50	Gigabit Optical Wireless Communication System for Indoor Applications 2010 ,		1
49	An LO power distribution network design for integrated 60-GHz transceiver on chip 2009 ,		1
48	A fully flexible stimulator using 65 nm CMOS process for 1024-electrode epi-retinal prosthesis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 1643-6	0.9	8
47	Distributed Source Localization Based on TOA Measurements in Wireless Sensor Networks 2009 , 2009, 1-4		4
46	Design of 60 GHz millimetre-wave bandpass filter on bulk CMOS. <i>IET Microwaves, Antennas and Propagation</i> , 2009 , 3, 943	1.6	13
45	Enhanced tree routing for wireless sensor networks. <i>Ad Hoc Networks</i> , 2009 , 7, 638-650	4.8	46
44	A super low power MICS band receiver in 65 nm CMOS for high resolution epi-retinal prosthesis 2009 ,		3
43	Flip-Chip Interconnection Effects on 60-GHz Microstrip Antenna Performance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 283-286	3.8	12
42	Wireless technologies for closed-loop retinal prostheses. <i>Journal of Neural Engineering</i> , 2009 , 6, 065004	5	25
41	Closed-loop inductive link for wireless powering of a high density electrode array retinal prosthesis 2009 ,		4
40	A 40 GHz Power Efficient Static CML Frequency Divider in 0.13- μ m CMOS Technology for High Speed Millimeter-Wave Wireless Systems 2008 ,		8
39	A 60-GHz fully-integrated Doherty power amplifier based on 0.13- μ m CMOS process 2008 ,		15
38	A 60-GHz direct-conversion transmitter in 130-nm CMOS 2008 ,		2
37	A 60 GHz VCO with 6GHz tuning range in 130 nm bulk CMOS 2008 ,		1
36	Analysis and Design of a 50-GHz 2:1 CMOS CML Static Frequency Divider Based on LC-tank 2008 ,		6
35	A 70GHz VCO with 8GHz Tuning Range in 0.13 μ m CMOS Technology 2008 ,		1
34	A 60-GHz Double-Balanced Mixer for Direct Up-Conversion Transmitter on 130-nm CMOS. <i>Compound Semiconductor Integrated Circuit Symposium (CSICS), IEEE</i> , 2008 ,		8

33	60 GHz compact integrated cross-coupled SIR-MH bandpass filter on bulk CMOS. <i>Electronics Letters</i> , 2008 , 44, 738	1.1	9
32	A 60-GHz variable delay line on CMOS for steerable antennae in wireless communication systems. <i>Canadian Conference on Electrical and Computer Engineering</i> , 2008 ,		1
31	A 75 - 95 GHz Wideband CMOS Power Amplifier 2008 ,		1
30	60 GHz double-balanced up-conversion mixer on 130 nm CMOS technology. <i>Electronics Letters</i> , 2008 , 44, 633	1.1	23
29	50 GHz static frequency divider in 130 nm CMOS. <i>Electronics Letters</i> , 2008 , 44, 285	1.1	2
28	A 60-GHz power amplifier and transmit/receive switch for integrated CMOS wireless transceivers 2008 ,		2
27	A 75 - 95 GHz Wideband CMOS Power Amplifier 2008 ,		1
26	A microstrip antenna with flip-chip interconnect for millimetre wave transceiver on CMOS 2008 ,		2
25	Design of 60GHz Millimetre-Wave Integrated SIR-MH Microstrip Bandpass Filters on Bulk CMOS 2008 ,		4
24	A 60-GHz transceiver on CMOS 2008 ,		11
23	Angle of arrival extended S-V model for the 60 GHz wireless indoor channel 2007 ,		3
22	Issues in the Implementation of a 60GHz Transceiver on CMOS 2007 ,		9
21	A 60-GHz CMOS Transmit/Receive Switch. <i>Radio Frequency Integrated Circuits (RFIC) Symposium, IEEE</i> , 2007 ,		26
20	Implementation of a Gigabit Per Second Millimetre Wave Transceiver on CMOS 2007 ,		8
19	A hybrid routing protocol for wireless sensor networks 2007 ,		2
18	IEEE 802.15.3c Medium Access Controller Throughput for Phased Array Systems 2007 ,		4
17	An Integrated Transformer Balun for 60 GHz Silicon RF IC Design 2007 ,		5
16	A 60-GHz Double-Balanced Gilbert Cell Down-Conversion Mixer on 130-nm CMOS. <i>Radio Frequency Integrated Circuits (RFIC) Symposium, IEEE</i> , 2007 ,		28

15	Characterization of the 60 GHz Wireless Desktop Channel. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 2129-2133	4.9	9
14	Design of integrated millimetre wave microstrip interdigital bandpass filters on CMOS technology 2007 ,		5
13	Application-driven Design 2007 , 333-348		1
12	Angle of Arrival Extended S-V Model for the 60 Ghz Wireless Desktop Channel 2006 ,		20
11	The problem of optimal robust sensor scheduling. <i>Systems and Control Letters</i> , 2001 , 43, 149-157	2.4	19
10	Robust output feedback stabilizability via controller switching. <i>Automatica</i> , 1999 , 35, 69-74	5.7	51
9	Stability results for switched controller systems. <i>Automatica</i> , 1999 , 35, 553-564	5.7	161
8	Minimum phase properties for input nonaffine nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 868-872	5.9	21
7	Optimal Controller Switching for Stochastic Systems. <i>Lecture Notes in Computer Science</i> , 1999 , 341-355	0.9	5
6	Trajectory-approximation-based adaptive control for nonlinear systems under matching conditions. <i>Automatica</i> , 1998 , 34, 287-299	5.7	18
5	Hybrid dynamical systems: robust control synthesis problems. <i>Systems and Control Letters</i> , 1996 , 29, 81-90	2.4	36
4	Analysis of minimum phase properties for non-affine nonlinear systems		5
3	Optimal controller switching for stochastic systems		6
2	Nanosession: Logic Devices and Circuit Design 185-195		
1	Low-Temperature Solution-Processed Transparent QLED Using Inorganic Metal Oxide Carrier Transport Layers. <i>Advanced Functional Materials</i> , 2106387	15.6	3