## Mircea Dragoman

## List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/902770/mircea-dragoman-publications-by-year.pdf

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

149
papers

2,517
citations

22
h-index

44
g-index

163
ext. papers

2.9
avg, IF

L-index

#	Paper	IF	Citations
149	Tunable and Miniaturized Microwave Filters Using Carbon Nanotube-Based Variable Capacitors.  IEEE Nanotechnology Magazine, 2022, 21, 118-130	2.6	1
148	Oxygen-vacancy induced ferroelectricity in nitrogen-doped nickel oxide. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 164304	2.5	
147	Microwave Detection Using Two-Atom-Thick Self-Switching Diodes Based on Quantum Simulations and Advanced Circuit Models. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	O
146	Perspectives on Atomic-Scale Switches for High-Frequency Applications Based on Nanomaterials. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
145	. IEEE Access, <b>2021</b> , 9, 122443-122456	3.5	O
144	HfO2-Based Ferroelectrics Applications in Nanoelectronics. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2021</b> , 15, 2000521	2.5	8
143	The Rise of Ferroelectricity at Nanoscale: Nanoelectronics is rediscovering the ferroelectricity. <i>IEEE Nanotechnology Magazine</i> , <b>2021</b> , 15, 8-19	1.7	1
142	Graphene bandgap induced by ferroelectric HfO doped with Zr (HfZrO). Nanotechnology, 2020, 31, 275	52924	5
141	Wafer-scale graphene-ferroelectric HfO/Ge-HfO/HfO transistors acting as three-terminal memristors. <i>Nanotechnology</i> , <b>2020</b> , 31, 495207	3.4	4
140	Memtransistors Based on Nanopatterned Graphene Ferroelectric Field-Effect Transistors. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	5
139	Tunable Microwave Filters Using HfO-Based Ferroelectrics. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	6
138	Amplitude and Phase Tuning of Microwave Signals in Magnetically Biased Permalloy Structures. <i>IEEE Access</i> , <b>2020</b> , 8, 190843-190854	3.5	2
137	Reconfigurable horizontal-vertical carrier transport in graphene/HfZrO field-effect transistors. <i>Nanotechnology</i> , <b>2020</b> , 31, 025203	3.4	1
136	MoS radio: detecting radio waves with a two-dimensional transition metal dichalcogenide semiconductor. <i>Nanotechnology</i> , <b>2020</b> , 31, 06LT01	3.4	6
135	Graphene bandgap induced by ferroelectric Pca2 HfO substrates: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 15001-15006	3.6	10
134	Electromagnetic interference shielding in X-band with aero-GaN. <i>Nanotechnology</i> , <b>2019</b> , 30, 34LT01	3.4	8
133	Sensing up to 40 atm Using Pressure-Sensitive Aero-GaN. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2019</b> , 13, 1900012	2.5	11

132	Terahertz shielding properties of aero-GaN. Semiconductor Science and Technology, 2019, 34, 12LT02	1.8	8
131	Integration of Antenna Array and Self-Switching Graphene Diode for Detection at 28 GHz. <i>IEEE Electron Device Letters</i> , <b>2019</b> , 40, 628-631	4.4	13
130	A SnS2-based photomemristor driven by sun. Journal of Applied Physics, 2018, 123, 024506	2.5	7
129	Wafer-Scale Fabrication and Room-Temperature Experiments on Graphene-Based Gates for Quantum Computation. <i>IEEE Nanotechnology Magazine</i> , <b>2018</b> , 17, 362-367	2.6	5
128	Wafer-scale very large memory windows in graphene monolayer/HfZrO ferroelectric capacitors. <i>Nanotechnology</i> , <b>2018</b> , 29, 425204	3.4	9
127	Current rectification effects in 6 nm thick HfxZr1-xOy ferroelectrics/Si planar heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2018</b> , 104, 241-246	3	2
126	Electromagnetic energy harvesting based on HfZrO tunneling junctions. <i>Nanotechnology</i> , <b>2018</b> , 29, 445	29.3	5
125	Solving the graphene electronics conundrum: High mobility and high on-off ratio in graphene nanopatterned transistors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2018</b> , 97, 296-301	3	6
124	Learning mechanisms in memristor networks based on GaN nanomembranes. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 152110	2.5	6
123	Harvesting Electromagnetic Energy in the \${V}\$ -Band Using a Rectenna Formed by a Bow Tie Integrated With a 6-nm-Thick Au/HfO2/Pt MetallhsulatorMetal Diode. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 2973-2980	2.9	15
122	Extraordinary tunability of high-frequency devices using Hf0.3Zr0.7O2 ferroelectric at very low applied voltages. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 103104	3.4	25
121	Very large phase shift of microwave signals in a 6 nm Hf Zr O ferroelectric at ⊞3 V. <i>Nanotechnology</i> , <b>2017</b> , 28, 38LT04	3.4	19
<b>12</b> 0	Plasmonic ambient light sensing with MoS2-graphene heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2017</b> , 85, 164-168	3	6
119	Non-volatile memory devices based on Ge nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 255-259	1.6	6
118	Graphene rectenna for efficient energy harvesting at terahertz frequencies. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 113105	3.4	19
117	Room temperature on-wafer ballistic graphene field-effect-transistor with oblique double-gate. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 244305	2.5	8
116	Quantum logic gates based on ballistic transport in graphene. Journal of Applied Physics, 2016, 119, 094	19203	8
115	Carbon nanotube-based electromagnetic band gap resonator for CH4 gas detection. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 124504	2.5	16

114	A tunable microwave slot antenna based on graphene. Applied Physics Letters, 2015, 106, 153101	3.4	51
113	Switching microwaves via semiconductor-isolator reversible transition in a thin-film of MoS2. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 045710	2.5	4
112	MoS2 thin films as electrically tunable materials for microwave applications. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 243109	3.4	15
111	Graphene-based room-temperature implementation of a modified Deutsch-Jozsa quantum algorithm. <i>Nanotechnology</i> , <b>2015</b> , 26, 485201	3.4	6
110	Negative differential resistance in graphene-based ballistic field-effect transistor with oblique top gate. <i>Nanotechnology</i> , <b>2014</b> , 25, 415201	3.4	19
109	Smart antennas based on graphene. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 114302	2.5	17
108	Transport Properties of Carbon Nanotubes and Graphene <b>2014</b> , 151-164		2
107	Enhanced architectures for room-temperature reversible logic gates in graphene. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 113109	3.4	5
106	Towards a terahertz direct receiver based on graphene up to 10 THz. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 044307	2.5	18
105	Graphene nanoelectronics for high-frequency applications 2013,		1
105	Graphene nanoelectronics for high-frequency applications 2013,  Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of Applied Physics</i> , 2013, 114, 184308	2.5	17
	Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of</i>	2.5	
104	Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 184308  Geometrically induced rectification in two-dimensional ballistic nanodevices. <i>Journal Physics D</i> :		17
104	Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 184308  Geometrically induced rectification in two-dimensional ballistic nanodevices. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 055306  Enhancement of higher harmonics in graphene-based coupled coplanar line microwave multipliers.	3	17
104	Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 184308  Geometrically induced rectification in two-dimensional ballistic nanodevices. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 055306  Enhancement of higher harmonics in graphene-based coupled coplanar line microwave multipliers. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 154304  Millimeterwave Schottky diode on grapene monolayer via asymmetric metal contacts. <i>Journal of</i>	3 2.5	17 23 6
104 103 102	Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 184308  Geometrically induced rectification in two-dimensional ballistic nanodevices. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 055306  Enhancement of higher harmonics in graphene-based coupled coplanar line microwave multipliers. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 154304  Millimeterwave Schottky diode on grapene monolayer via asymmetric metal contacts. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 084302  Extending ballistic graphene FET lumped element models to diffusive devices. <i>Solid-State</i>	<ul><li>3</li><li>2.5</li><li>2.5</li><li>1.7</li></ul>	17 23 6
104 103 102 101	Graphene as a high impedance surface for ultra-wideband electromagnetic waves. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 184308  Geometrically induced rectification in two-dimensional ballistic nanodevices. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 055306  Enhancement of higher harmonics in graphene-based coupled coplanar line microwave multipliers. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 154304  Millimeterwave Schottky diode on grapene monolayer via asymmetric metal contacts. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 084302  Extending ballistic graphene FET lumped element models to diffusive devices. <i>Solid-State Electronics</i> , <b>2012</b> , 76, 8-12	<ul><li>3</li><li>2.5</li><li>2.5</li><li>1.7</li></ul>	17 23 6 7

## (2009-2011)

96	Terahertz generation using a resonant-tunneling-like configuration in graphene. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 124307	2.5	7
95	Electrical behavior of multi-walled carbon nanotube network embedded in amorphous silicon nitride. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 88	5	16
94	Coplanar waveguide on graphene in the range 40 MHz 110 GHz. Applied Physics Letters, 2011, 99, 0331	123.4	37
93	Memristor device based on carbon nanotubes decorated with gold nanoislands. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 093102	3.4	19
92	DNA hybridization detection in a miniaturized electromagnetic band gap resonator. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 253106	3.4	8
91	Time flow in graphene and its implications on the cutoff frequency of ballistic graphene devices. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 014302	2.5	8
90	DC and radio-frequency transmission characteristics of double-walled carbon nanotubes-based ink. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2010</b> , 2, 471-477	0.8	3
89	Negative differential resistance in GaN nanowire network. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 053116	3.4	11
88	Ultrabroadband photodetection based on graphene ink. <i>Nanotechnology</i> , <b>2010</b> , 21, 455202	3.4	12
87	There is no Hartman effect in graphene structures. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 054306	2.5	16
86	Millimeter-wave generation via frequency multiplication in graphene. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 093101	3.4	59
85	Terahertz antenna based on graphene. Journal of Applied Physics, 2010, 107, 104313	2.5	116
84	Graphene for Microwaves. <i>IEEE Microwave Magazine</i> , <b>2010</b> , 11, 81-86	1.2	74
83	Tunable electrical superlattices in periodically gated bilayer graphene. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 044312	2.5	9
82	Graphene-based ultrafast diode. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 084316	2.5	33
81	Microwave switching of graphene field effect transistor at and far from the Dirac point. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 103105	3.4	11
80	SAW Devices Manufactured on GaN/Si for Frequencies Beyond 5 GHz. <i>IEEE Electron Device Letters</i> , <b>2010</b> , 31, 1398-1400	4.4	27
79	Multiple negative differential resistances in crossed carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 114303	2.5	2

78	Current oscillations in a wide graphene sheet. Journal of Applied Physics, 2009, 106, 044312	2.5	14
77	Microwave propagation in graphene. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 073107	3.4	53
76	Writing simple RF electronic devices on paper with carbon nanotube ink. <i>Nanotechnology</i> , <b>2009</b> , 20, 375	230.3	41
75	Millimeter wave power sensing using micro- and nanoelectromechanical systems. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 014505	2.5	1
74	Graphene-based quantum electronics. <i>Progress in Quantum Electronics</i> , <b>2009</b> , 33, 165-214	9.1	86
73	GaN membrane-supported UV photodetectors manufactured using nanolithographic processes. <i>Microelectronics Journal</i> , <b>2009</b> , 40, 319-321	1.8	10
72	6.3-GHz Film Bulk Acoustic Resonator Structures Based on a Gallium Nitride/Silicon Thin Membrane. <i>IEEE Electron Device Letters</i> , <b>2009</b> , 30, 799-801	4.4	37
71	Microwave switches based on graphene. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 054309	2.5	32
70	Real-time detection of deoxyribonucleic acid bases via their negative differential conductance signature. <i>Physical Review E</i> , <b>2009</b> , 80, 022901	2.4	2
69	Investigation of electrical properties of carbon nanotubes 2009,		1
69 68	Investigation of electrical properties of carbon nanotubes <b>2009</b> ,  GaN membrane metal-semiconductor-metal ultraviolet photodetector. <i>Applied Optics</i> , <b>2008</b> , 47, 1453-6	1.7	1 13
		1.7	
68	GaN membrane metal-semiconductor-metal ultraviolet photodetector. <i>Applied Optics</i> , <b>2008</b> , 47, 1453-6	,	13
68 67	GaN membrane metal-semiconductor-metal ultraviolet photodetector. <i>Applied Optics</i> , <b>2008</b> , 47, 1453-6  Tunneling nanotube radio. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 074314	2.5	13
68 67 66	GaN membrane metal-semiconductor-metal ultraviolet photodetector. <i>Applied Optics</i> , <b>2008</b> , 47, 1453-6  Tunneling nanotube radio. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 074314  Terahertz Bloch oscillations in periodic graphene structures. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 103105  Response to Comment on Regative differential conductance of electrons in graphene barrier	2.5	13
68 67 66	GaN membrane metal-semiconductor-metal ultraviolet photodetector. <i>Applied Optics</i> , <b>2008</b> , 47, 1453-6  Tunneling nanotube radio. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 074314  Terahertz Bloch oscillations in periodic graphene structures. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 103105  Response to Comment on Regative differential conductance of electrons in graphene barrier[] [Appl. Phys. Lett. 92, 216101 (2008)][]Applied Physics Letters, <b>2008</b> , 92, 216102  Multiple negative resistances in trenched structures bridged with carbon nanotubes. <i>Applied</i>	2.5 3.4 3.4	13 11 16
68 67 66 65 64	GaN membrane metal-semiconductor-metal ultraviolet photodetector. <i>Applied Optics</i> , <b>2008</b> , 47, 1453-6  Tunneling nanotube radio. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 074314  Terahertz Bloch oscillations in periodic graphene structures. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 103105  Response to Comment on Diegative differential conductance of electrons in graphene barrier [Appl. Phys. Lett. 92, 216101 (2008)] [Applied Physics Letters, <b>2008</b> , 92, 216102  Multiple negative resistances in trenched structures bridged with carbon nanotubes. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 043117  High quality nanoelectromechanical microwave resonator based on a carbon nanotube array.	2.5 3.4 3.4	13 11 16

60	Negative differential resistance of electrons in graphene barrier. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 143	11314	86
59	Physical mechanism of negative differential conductance in substrateless metallic carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2007</b> , 36, 158-162	3	6
58	Carbon Nanotubes-Based Microwave and Millimeter Wave Sensors 2007,		5
57	Metamaterials for ballistic electrons. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 104316	2.5	12
56	Nanoelectromechanical switches based on carbon nanotubes for microwave and millimeter waves. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 113102	3.4	12
55	Modeling of rf energy sensing and harvesting using the giant thermoelectric effect in carbon nanotubes. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 173117	3.4	6
54	Reversible metal-semiconductor transitions for microwave switching applications. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 073503	3.4	38
53	Experimental determination of microwave attenuation and electrical permittivity of double-walled carbon nanotubes. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 153108	3.4	29
52	Voltage-controlled high-frequency oscillations based on suspended semiconducting carbon nanotubes. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	6
51	High performance thin film bulk acoustic resonator covered with carbon nanotubes. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 143122	3.4	11
50	Proposal for multiple-valued logic in gated semiconducting carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 33, 178-181	3	3
49	Terahertz continuous wave amplification in semiconductor carbon nanotubes. <i>Physica E:</i> Low-Dimensional Systems and Nanostructures, <b>2005</b> , 25, 492-496	3	19
48	Experimental characterisation of 38 GHz micromachined GaAs receiver. <i>Electronics Letters</i> , <b>2005</b> , 41, 256	1.1	2
47	Millimeter-wave passive circuit elements based on GaAs micromachining. <i>Journal of Micromechanics and Microengineering</i> , <b>2005</b> , 15, S53-S59	2	9
46	Microwave applications of carbon nanotubes. <i>Frequenz</i> , <b>2005</b> , 59,	0.6	4
45	Terahertz fields and applications. <i>Progress in Quantum Electronics</i> , <b>2004</b> , 28, 1-66	9.1	278
44	Terahertz oscillations in semiconducting carbon nanotube resonant-tunneling diodes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2004</b> , 24, 282-289	3	36
43	Time-frequency signal processing of terahertz pulses. <i>Applied Optics</i> , <b>2004</b> , 43, 3848-53	1.7	7

42	Modelling, design and realization of micromachined millimetre-wave band-pass filters. <i>International Journal of Circuit Theory and Applications</i> , <b>2003</b> , 31, 529-539	2	10
41	Biased micromechanical cantilever arrays as optical image memory. <i>Applied Optics</i> , <b>2003</b> , 42, 1515-9	1.7	3
40	Reconfigurable electro-optical waveguide for optical processing. <i>Applied Optics</i> , <b>2003</b> , 42, 6439-44	1.7	3
39	Single-chip device for tunneling time measurements. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6133-6136	2.5	6
38	Tunable fractional Fourier transformer for ballistic electrons. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 4131-	-421334	4
37	Carbon nanotube zoom lenses. <i>IEEE Nanotechnology Magazine</i> , <b>2003</b> , 2, 93-96	2.6	
36	Tomographic amplitude and phase recovery of vertical-cavity surface-emitting lasers by use of the ambiguity function. <i>Optics Letters</i> , <b>2002</b> , 27, 1519-21	3	10
35	Amplitude and phase recovery of rotationally symmetric beams. <i>Applied Optics</i> , <b>2002</b> , 41, 5512-8	1.7	7
34	Quantum coherent versus classical coherent light. Optical and Quantum Electronics, 2001, 33, 239-252	2.4	3
33	Terahertz field characterization using FabryPerot-like cantilevers. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 581	-5,8,7	6
32	On the similarities between the Wigner distribution function in classical and quantum optics. <i>Optik</i> , <b>2001</b> , 112, 497-501	2.5	4
31	Characterization of wave fronts of light beams by use of tunneling cantilevers. <i>Applied Optics</i> , <b>2001</b> , 40, 678-82	1.7	5
30	Optical realization of the ambiguity function of real two-dimensional light sources. <i>Applied Optics</i> , <b>2000</b> , 39, 2912-7	1.7	3
29	Single device for laser source measurements from the ultraviolet to the far infrared. <i>Applied Optics</i> , <b>2000</b> , 39, 4361-5	1.7	2
28	Band-engineered semiconductor optical waveguides for integral transform implementation. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 3409-3412	2.5	1
27	Optical analogue structures to mesoscopic devices. <i>Progress in Quantum Electronics</i> , <b>1999</b> , 23, 131-188	9.1	55
26	Implementation of the spatial and the temporal cross-ambiguity function for waveguide fields and optical pulses. <i>Applied Optics</i> , <b>1999</b> , 38, 822-7	1.7	2
25	Experimental demonstration of a continuously variant fractional fourier transformer. <i>Applied Optics</i> , <b>1999</b> , 38, 4985-9	1.7	3

24	Phase-space measurements of micro-optical objects. <i>Applied Optics</i> , <b>1999</b> , 38, 5019-23	1.7	1
23	Optical actuation of micromechanical tunneling structures with applications in spectrum analysis and optical computing. <i>Applied Optics</i> , <b>1999</b> , 38, 6773-8	1.7	9
22	Variant fractional Fourier transformer for optical pulses. <i>Optics Letters</i> , <b>1999</b> , 24, 933-5	3	9
21	Optical modelling of quantum dots. <i>Optics Communications</i> , <b>1998</b> , 150, 331-338	2	6
20	Temporal implementation of Fourier-related transforms. <i>Optics Communications</i> , <b>1998</b> , 145, 33-37	2	18
19	Recovery of the refractive-index profile from the wigner distribution of an optical waveguide. <i>Applied Optics</i> , <b>1998</b> , 37, 2357-60	1.7	1
18	Hemispherical-rod microlens as a variant fractional Fourier transformer. <i>Optics Letters</i> , <b>1998</b> , 23, 1499-	50,1	6
17	Time-frequency characterization of magnetostatic envelope soliton waves. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 714-716	3.4	1
16	Beam-propagation method based on the Wigner transform: a new formulation. <i>Optics Letters</i> , <b>1997</b> , 22, 1050-2	3	2
15	Optical modeling of quantum wire arrays. <i>IEEE Journal of Quantum Electronics</i> , <b>1997</b> , 33, 375-381	2	8
14	Near and far field optical beam characterization using the fractional Fourier transform. <i>Optics Communications</i> , <b>1997</b> , 141, 5-9	2	9
13	The modeling of the quantum tunneling time through heterostructures using optical layered media. <i>Optics Communications</i> , <b>1997</b> , 133, 129-134	2	8
12	Phase space characterization of solitons with the Wigner transform. <i>Optics Communications</i> , <b>1997</b> , 137, 437-444	2	3
11	Time-frequency modeling of atomic force microscopy. <i>Optics Communications</i> , <b>1997</b> , 140, 220-225	2	1
10	Wigner-transform implementation in the time-frequency domain. <i>Applied Optics</i> , <b>1996</b> , 35, 7025-30	1.7	11
9	Integrated optic-devices characterization with the Wigner transform. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>1996</b> , 2, 181-186	3.8	4
8	Tunneling-time asymmetry in resonant quantum structures. <i>IEEE Journal of Quantum Electronics</i> , <b>1996</b> , 32, 1150-1154	2	22
7	Tunneling-time properties in type II quantum resonant structures. <i>IEEE Journal of Quantum Electronics</i> , <b>1996</b> , 32, 1932-1936	2	3

6	Calculation of the tunneling time through type II resonant heterostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1996</b> , 210, 121-124	2.3	8
5	Design considerations for tunnel diode non-linear transmission lines. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>1995</b> , 16, 1719-1732		1
4	Experimental observation of microwave envelope solitons of dipolar magnetostatic waves. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 249-250	3.4	4
3	Experimental evidence of magnetostatic soliton propagation at microwave frequencies. <i>Applied Physics Letters</i> , <b>1991</b> , 59, 1788-1789	3.4	6
2	On 1/f noise in nonlinear physical systems described by infinite dimensional integrable equations. Journal of Applied Physics, <b>1990</b> , 67, 3519-3521	2.5	
1	Low-losses coupled-lines silicon micromachined band-pass filters for the 45 GHz frequency band		1