

# Petruzzelli Vincenzo

## List of Publications by Year in descending order

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199  
papers

1,962  
citations

331259

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344852

36  
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200  
all docs

200  
docs citations

200  
times ranked

2361  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Ray Tracing Tool for Propagation Modeling in Layered Media: A Case Study at the Chip Scale. IEEE Open Journal of Antennas and Propagation, 2022, 3, 249-262.	2.5	2
2	Numerical and Experimental Analysis of On-Chip Optical Wireless Links in Presence of Obstacles. IEEE Photonics Journal, 2021, 13, 1-11.	1.0	8
3	Ray Tracing Channel Modeling for Optical Wireless Networks On-Chip. , 2021, , .		1
4	Design of reconfigurable on-chip wireless interconnections through Optical Phased Arrays. Optics Express, 2021, 29, 31212.	1.7	12
5	Design of mesoscopic self-collimating photonic crystals under oblique incidence. Optics Express, 2021, 29, 33380.	1.7	2
6	Effect of Radio Channel and Antennas on Physical-Layer-Security Key Exchange. IEEE Access, 2021, 9, 162175-162189.	2.6	2
7	Reconfigurable on-chip wireless interconnections through optical phased arrays (Invited). , 2021, , .		0
8	Multi-Path Propagation in On-Chip Optical Wireless Links. IEEE Photonics Technology Letters, 2020, 32, 1101-1104.	1.3	12
9	Multi-Level Analysis of On-Chip Optical Wireless Links. Applied Sciences (Switzerland), 2020, 10, 196.	1.3	11
10	Multilayer optical routing by means of vertical directional coupler with long range surface plasmons. AIP Conference Proceedings, 2019, , .	0.3	3
11	Gain and phase control in a graphene-loaded reconfigurable antenna. Applied Physics Letters, 2019, 115, .	1.5	14
12	Design of mesoscopic photonic crystal waveguides. Journal of Engineering, 2019, 2019, 4628-4631.	0.6	0
13	Dielectric and Plasmonic Vivaldi Antennas for On-Chip Wireless Communication. , 2019, , .		7
14	Mesoscopic self-collimation along arbitrary directions and below the light line. Optics Express, 2019, 27, 30287.	1.7	4
15	Graphene for Optically Transparent Telecommunication Devices. , 2018, , .		2
16	Ray Tracing Modeling of Electromagnetic Propagation for On-Chip Wireless Optical Communications. Journal of Low Power Electronics and Applications, 2018, 8, 39.	1.3	15
17	On-chip Wireless Optical Communication Through Plasmonic Nanoantennas. , 2018, , .		1
18	On-Chip Wireless Optical Communication: From Antenna Design to Channel Modelling. , 2018, , .		0

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19	Amplitude and phase modulation in microwave ring resonators by doped CVD graphene. Nanotechnology, 2018, 29, 325201.	1.3	7
20	Integrated Vivaldi antennas, an enabling technology for optical wireless networks on chip. , 2018, , .		4
21	Double Vivaldi antenna for wireless optical networks on chip. Optical and Quantum Electronics, 2018, 50, 1.	1.5	10
22	Optically transparent wideband CVD graphene-based microwave antennas. Applied Physics Letters, 2018, 112, .	1.5	28
23	Array of plasmonic Vivaldi antennas coupled to silicon waveguides for wireless networks through on-chip optical technology - WINOT. Optics Express, 2018, 26, 30267.	1.7	19
24	Optical trapping in 1D mesoscopic photonic crystal microcavities. , 2018, , .		0
25	Engineered graphene for optically transparent microwave devices. , 2017, , .		3
26	Grating-assisted vertical couplers for signal routing in multilayer integrated optical networks. Optics Communications, 2017, 386, 6-13.	1.0	4
27	Coupling between Si-waveguides and plasmonic antennas for optical networks on chip. , 2017, , .		0
28	Diamond detectors for the TOTEM timing upgrade. Journal of Instrumentation, 2017, 12, P03007-P03007.	0.5	20
29	Integrated Vivaldi plasmonic antenna for wireless on-chip optical communications. Optics Express, 2017, 25, 16214.	1.7	51
30	Full optical confinement in 1D mesoscopic photonic crystal-based microcavities: an experimental demonstration. Optics Express, 2017, 25, 28288.	1.7	7
31	TEMPERATURE PERFORMANCE OF GAINNAS-BASED PHOTONIC CRYSTAL WAVEGUIDE MODULATORS. Progress in Electromagnetics Research M, 2016, 47, 201-213.	0.5	0
32	Optically transparent microwave screens based on engineered graphene layers. Optics Express, 2016, 24, 22788.	1.7	55
33	Full optical confinement in 1D Mesoscopic Photonic Crystal-based microcavities: A preliminary experimental demonstration. , 2016, , .		0
34	Graphene-based devices: A platform for high frequency applications?. , 2016, , .		1
35	Measurement of elastic pp scattering at $\sqrt{s} = 8 \text{ TeV}$ in the Coulombâ€nuclear interference region: determination of the $\mathbf{h}_0$ -parameter and the total cross-section. European Physical Journal C, 2016, 76, 1.	1.4	88
36	Generic Wavelength-routed Optical Router (GWOR) based on grating-assisted vertical couplers for multilayer optical networks. Optics Communications, 2016, 366, 99-106.	1.0	5

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37	Optical Sensor based on a Mesoscopic Photonic Crystal Microcavity. , 2016, , .		2
38	Evidence for non-exponential elastic proton-neutron differential cross-section at low $ t $ and $\sqrt{s}$ by TOTEM. Nuclear Physics B, 2015, 899, 527-546.		0
39	Wavelength routers for multilayer integrated optical networks on chip. , 2015, , .		1
40	Graphene-based perfect optical absorbers harnessing guided mode resonances. Optics Express, 2015, 23, 21032.	1.7	91
41	Graphene-based optical absorbers. , 2015, , .		1
42	Absorption and Losses in One-Dimensional Photonic-Crystal-Based Absorbers Incorporating Graphene. IEEE Photonics Journal, 2014, 6, 1-8.	1.0	31
43	Label-Free $\text{Si}_3\text{N}_4$ Photonic Crystal Based Immunosensors for Diagnostic Applications. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	10
44	Controlled reflectivities in self-collimating mesoscopic photonic crystal. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 355.	0.9	17
45	Graphene-based absorber exploiting guided mode resonances in one-dimensional gratings. Optics Express, 2014, 22, 31511.	1.7	110
46	Vertical link solutions for multilayer optical-networks-on-chip topologies. Optical and Quantum Electronics, 2014, 46, 385-396.	1.5	15
47	Graphene-based photonic nanostructures for linear and nonlinear devices. , 2014, , .		0
48	Photonic crystal based immunosensor for clinical diagnosis. , 2014, , .		0
49	Thermal performance of photonic crystal waveguiding devices based on GaInNAs/GaInAs quantum-wells. , 2014, , .		0
50	Stable planar mesoscopic photonic crystal cavities. Optics Letters, 2014, 39, 4223.	1.7	10
51	Compact design of photonic crystal ring resonator $2\tilde{\Lambda}$ —2 routers as building blocks for photonic networks on chip. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 517.	0.9	20
52	Absorption and losses in one-dimensional photonic crystal perfect absorber incorporating a monolayer graphene. , 2014, , .		1
53	2D photonic crystal membranes for optical biosensors. , 2014, , .		1
54	Stable planar microcavities based on mesoscopic photonic crystals. , 2014, , .		3

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55	2D plasmonic gold nano-patches for linear and nonlinear applications. <i>Microelectronic Engineering</i> , 2013, 111, 234-237.	1.1	3
56	Photonic components for signal routing in optical networks on chip. , 2013, , .		0
57	Flexible and highly sensitive optical polymeric strain gauge. , 2013, , .		1
58	Surface-enhanced Raman scattering from finite arrays of gold nano-patches. <i>Journal of Applied Physics</i> , 2013, 113, 013103.	1.1	7
59	Asymmetric hybrid double dielectric loaded plasmonic waveguides for sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 148-155.	4.0	16
60	Wavelength Routers for Optical Networks-on-Chip Using Optimized Photonic Crystal Ring Resonators. <i>IEEE Photonics Journal</i> , 2013, 5, 7901011-7901011.	1.0	30
61	Emission and Transmission Properties of a Doubly Resonant 3D Nanodisk Yagi-Uda Antenna for Wireless Optical Communications. <i>Plasmonics</i> , 2013, 8, 173-183.	1.8	2
62	Numerical analysis of the coupling mechanism in long-range plasmonic couplers at 155Å <sup>1</sup> / <sub>4</sub> m. <i>Optics Letters</i> , 2013, 38, 46.	1.7	14
63	Graphene assisted nanostructures. , 2013, , .		0
64	Fabrication of doubly resonant plasmonic nanopatch arrays on graphene. <i>Applied Physics Letters</i> , 2013, 102, 231111.	1.5	19
65	Multifunctional self-collimating mesoscopic photonic crystals. , 2013, , .		2
66	Photonic band gap active waveguide filters based on dilute nitrides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 567-572.	0.8	4
67	WDM PERFORMANCES OF TWO- AND THREE-WAVEGUIDE MACH-ZEHNDER SWITCHES ASSEMBLED INTO 4X4 MATRIX ROUTER. <i>Progress in Electromagnetics Research Letters</i> , 2013, 38, 1-16.	0.4	10
68	Novel Plasmonic Bio-Sensing System Based on Two-Dimensional Gold Patch Arrays for Linear and Nonlinear Regimes. <i>Advances in Science and Technology</i> , 2012, 81, 15-19.	0.2	0
69	High-efficient ultra-short vertical long-range plasmonic couplers. <i>Journal of Nanophotonics</i> , 2012, 6, 061609.	0.4	4
70	Experimental demonstration of plasmonic-grating-assisted optical biosensor. , 2012, , .		1
71	Localized surface plasmon resonances in gold nano-patches on a gallium nitride substrate. <i>Nanotechnology</i> , 2012, 23, 455709.	1.3	5
72	Color control through plasmonic metal gratings. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	28

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73	Active Photonic Band-Gap Switch Based on GaInNAs Multiquantum Well. IEEE Photonics Journal, 2012, 4, 1936-1946.	1.0	12
74	Nonlinear response of 2D plasmonic gold patches for SERS applications. , 2012, , .		0
75	Gain-assisted extraordinary optical transmission through periodic arrays of subwavelength apertures. New Journal of Physics, 2012, 14, 013020.	1.2	23
76	Experimental surface-enhanced Raman scattering response of two-dimensional finite arrays of gold nanopatches. Applied Physics Letters, 2012, 101, .	1.5	21
77	Photonic interconnects for chip multiprocessing architectures. , 2012, , .		2
78	Plasmonic Bandgaps in 1D Arrays of Slits on Metal Layers Excited by Out-of-Plane Sources. International Journal of Optics, 2012, 2012, 1-12.	0.6	8
79	DESIGN AND OPTIMIZATION OF HIGH SENSITIVITY PHOTONIC INTERFEROMETRIC BIOSENSORS ON POLYMERIC WAVEGUIDES. Progress in Electromagnetics Research Letters, 2012, 33, 151-166.	0.4	3
80	ACTIVE WDM FILTER ON DILUTE NITRIDE QUANTUM WELL PHOTONIC BAND GAP WAVEGUIDE. Progress in Electromagnetics Research Letters, 2012, 35, 37-49.	0.4	12
81	HIGH-Q PHOTONIC CRYSTAL NANOBEAM CAVITY BASED ON A SILICON NITRIDE MEMBRANE INCORPORATING FABRICATION IMPERFECTIONS AND A LOW-INDEX MATERIAL LAYER. Progress in Electromagnetics Research B, 2012, 37, 191-204.	0.7	4
82	ELECTROMAGNETIC AND THERMAL ANALYSES OF IMPROVED GTEM CELLS FOR BIOELECTROMAGNETIC EXPERIMENTS. Progress in Electromagnetics Research, 2012, 125, 503-526.	1.6	2
83	Broadband Mach-Zehnder Switch for Photonic Networks on Chip. Journal of Lightwave Technology, 2012, 30, 944-952.	2.7	44
84	Anomalous plasmonic band gap formation in two-dimensional slit arrays with different periods. , 2011, , .		1
85	Equalization in photonic bandgap multiwavelength filters by the Newton binomial distribution. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1668.	0.9	15
86	Experimental demonstration of a novel biosensing platform via plasmonic band gap formation in gold nanopatch arrays. Optics Express, 2011, 19, 21385.	1.7	36
87	Plasmonic bandgap formation in two-dimensional periodic arrangements of gold patches with subwavelength gaps. Optics Letters, 2011, 36, 903.	1.7	21
88	Asymmetric plasmonic grating for optical sensing of thin layers of organic materials. Sensors and Actuators B: Chemical, 2011, 160, 1056-1062.	4.0	37
89	Active InGaAsP/InP Photonic Bandgap Waveguides for Wavelength-Selective Switching. IEEE Journal of Quantum Electronics, 2011, 47, 172-181.	1.0	15
90	Enhancement of Extraordinary Optical Transmission in a Double Heterostructure Plasmonic Bandgap Cavity. Plasmonics, 2011, 6, 469-476.	1.8	15

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91	Wavelength selective switching in dilute nitrides multi quantum well photonic band gap waveguides. Physica Status Solidi (B): Basic Research, 2011, 248, 1212-1215.	0.7	15
92	Analysis and design of novel photonic active devices based on dilute nitrides. , 2011, , .		0
93	Modification of the scattering of silver nanoparticles induced by Fabry-Pérot resonances rising from a finite Si layer. Journal of Optics (United Kingdom), 2011, 13, 015004.	1.0	8
94	Efficient plasmonic nanostructures for thin film solar cells. , 2010, , .		8
95	Near and medium infrared optical fiber lasers and emerging applications. , 2010, , .		0
96	Field localization in Bragg waveguide assisted by metal layers. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 703.	0.9	7
97	Plasmonic nanostructures for enhanced light concentration devoted to photovoltaic applications. , 2010, , .		3
98	Erbium-doped chalcogenide fiber ring laser for mid-IR applications. , 2009, , .		1
99	Design of an optical sensor array for hydrocarbon monitoring. Optical and Quantum Electronics, 2009, 41, 55-68.	1.5	10
100	Design of silica-based photonic crystal fiber for biosensing applications. Journal of Non-Crystalline Solids, 2009, 355, 1163-1166.	1.5	8
101	Study of gain in photonic bandgap active InP waveguides. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2414.	0.9	15
102	Laser sources based on rare earth doped glasses: Recent strategies. , 2009, , .		0
103	Field enhancement in a photonic band gap cavity assisted by metal grooves. , 2009, , .		0
104	Plasmons on metal layers embedded in dielectric PBG cavity. , 2009, , .		0
105	<a href="#">&amp;lt;/title&amp;gt; &amp;lt;/titles&amp;gt; &amp;lt;publication_date&amp;gt; &amp;lt;month&amp;gt;01&amp;lt;/month&amp;gt; &amp;lt;/year&amp;gt;2008&amp;lt;/year&amp;gt; &amp;lt;/publication_date&amp;gt; &amp;lt;/pages&amp;gt; &amp;lt;/first_page&amp;gt;102&amp;lt;/first_page&amp;gt; &amp;lt;/last_page&amp;gt;103&amp;lt;/last_page&amp;gt; &amp;lt;/pages&amp;gt; &amp;lt;/publisher_item&amp;gt; &amp;lt;/item_number &amp;lt;/item_number_type=arNumber&amp;gt;4429299&amp;lt;/item_number&amp;gt; &amp;lt;/publisher_item&amp;gt; &amp;lt;/doi_data&amp;gt; &amp;lt;/doi&amp;gt;10.1109/TNANO.2008.915578&amp;lt;/doi&amp;gt; &amp;lt;/resource&amp;gt;http://ieeexplore.ieee.</a>	1.1	20
106	Tunability of Photonic Band Gap Notch Filters. IEEE Nanotechnology Magazine, 2008, 7, 273-284.	1.1	24
107	Enhanced transmission and second harmonic generation from subwavelength slits on metal substrates. Proceedings of SPIE, 2008, , .	0.8	13
108	Improvement of the pump power coupling in double cladding photonic crystal fiber. , 2008, , .		3

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109	Effect of Gain Saturation in InP-Photonic Band Gap Active Waveguides. , 2008, , .		0
110	Second harmonic generation from nanoslits in metal substrates: applications to palladium-based H <sub>2</sub> sensor. Journal of Nanophotonics, 2008, 2, 021851.	0.4	21
111	Near and Medium Infrared Fiber Optic Lasers and Applications. , 2008, , .		2
112	Theoretical analysis of a palladium-based one-dimensional metallo-dielectric photonic band gap structure for applications to H <sub>2</sub> sensors. Journal of Applied Physics, 2008, 103, .	1.1	14
113	Design of a Dielectric Applicator for Microwave Heating. Journal of Microwave Power and Electromagnetic Energy, 2008, 43, 4-12.	0.4	5
114	PBG chirped waveguide for efficient signal routing. , 2007, , .		0
115	Microstructured Optical Fiber Sensors. , 2007, , .		1
116	Integrated optical sensor for environment monitoring. , 2007, , .		1
117	Fabry-Perot microcavity sensor for H <sub>2</sub> -breath-test analysis. Journal of Applied Physics, 2007, 102, 074501.	1.1	4
118	A Doubly Resonant Photonic-Crystal Microcavity for Second-Harmonic Generation. Fiber and Integrated Optics, 2007, 26, 271-288.	1.7	1
119	Analysis of Microwave Thermal Treatment of Antique Books with Metallic Insets. Journal of Microwave Power and Electromagnetic Energy, 2007, 42, 48-60.	0.4	1
120	Photonic Crystal Assisted Polymeric Optical Field Concentrator. , 2007, , .		0
121	Enhancement and inhibition of second-harmonic generation and absorption in a negative index cavity. Optics Letters, 2007, 32, 265.	1.7	16
122	Optimization and Characterization of Rare-Earth-Doped Photonic-Crystal-Fiber Amplifier Using Genetic Algorithm. Journal of Lightwave Technology, 2007, 25, 2135-2142.	2.7	29
123	Optimized design of gigahertz transverse electromagnetic cells for dosimetric experiments. Radio Science, 2007, 42, n/a-n/a.	0.8	0
124	High sensitivity photonic crystal pressure sensor. Journal of the European Optical Society-Rapid Publications, 2007, 2, .	0.9	17
125	Active microcavity and coupled cavities in one-dimensional photonic crystal. Journal of the European Optical Society-Rapid Publications, 2007, 2, .	0.9	3
126	Fabrication of force sensors based on two-dimensional photonic crystal technology. Microelectronic Engineering, 2007, 84, 1450-1453.	1.1	49



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127	Enhancement of the SHG efficiency in a doubly resonant 2D-photonic crystal microcavity. Optical and Quantum Electronics, 2007, 39, 353-360.	1.5	4
128	Photonic Crystal Microcavity Amplifier. , 2006, , .		0
129	Multi-monopole model of man for SAR evaluations. , 2006, , .		0
130	Enhanced light extraction in Er <sup>3+</sup> doped SiO <sub>2</sub> -TiO <sub>2</sub> microcavity embedded in one-dimensional photonic crystal. Journal of Non-Crystalline Solids, 2006, 352, 3823-3828.	1.5	7
131	Wide-band optical field concentrator for low-index core propagation. Journal of the European Optical Society-Rapid Publications, 2006, 1, .	0.9	1
132	Temperature sensing in E.M.D. environment with periodically poled lithium niobate devices. , 2006, 6183, 220.		0
133	Design and fabrication of active and passive photonic crystal resonators. Microelectronic Engineering, 2006, 83, 1823-1825.	1.1	15
134	Design of cladding pumped microstructured fiber amplifier. Optical Materials, 2006, 28, 1243-1246.	1.7	10
135	Photonic Crystal Sensors. , 2006, , .		7
136	Genetic Algorithms in Design and Characterization of Rare Earth Doped Fiber Amplifiers. , 2006, , .		0
137	Design of double-clad ytterbium-doped microstructured fibre laser. Applied Surface Science, 2005, 248, 499-502.	3.1	9
138	A Continuous Varying Impedance Passband Microstrip Filter Exploiting a Butterfly Wing Shape. Journal of Electromagnetic Waves and Applications, 2005, 19, 1145-1156.	1.0	5
139	Time domain analysis of optical amplification in Er <sup>3+</sup> doped SiO <sub>2</sub> -TiO <sub>2</sub> planar waveguide. Optics Express, 2005, 13, 4683.	1.7	12
140	Refinement of Er <sup>3+</sup> -doped hole-assisted optical fiber amplifier. Optics Express, 2005, 13, 9970.	1.7	22
141	Design of double-clad erbium-doped holey fiber amplifier. Journal of Non-Crystalline Solids, 2005, 351, 1840-1845.	1.5	17
142	Design of Planar Optic Sensors for Hydrocarbon Detection. Optical and Quantum Electronics, 2004, 36, 507-526.	1.5	26
143	Mode-Stirred Chamber For Cereal Disinfestation. Materials Research Innovations, 2004, 8, 17-22.	1.0	3
144	Title is missing!. Optical and Quantum Electronics, 2003, 35, 629-640.	1.5	11

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145	Title is missing!. Optical and Quantum Electronics, 2003, 35, 47-68.	1.5	7
146	Tapered photonic bandgap microstrip lowpass filters: design and realisation. IET Microwaves Antennas and Propagation, 2003, 150, 459.	1.2	19
147	Accurate model of $\text{In}_x\text{Ga}_{1-x}\text{As}_y\text{P}_{1-y}/\text{InP}$ active waveguides for optimal design of switches. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2003, 16, 105-125.	1.2	3
148	Photonic band gap filter for wavelength division multiplexer. Optics Express, 2003, 11, 230.	1.7	42
149	Design of $\text{Er}^{3+}$ doped $\text{SiO}_2/\text{TiO}_2$ planar waveguide amplifier. Journal of Non-Crystalline Solids, 2003, 322, 278-283.	1.5	26
150	FINITE DIFFERENCE TIME DOMAIN MODELING OF LIGHT AMPLIFICATION IN ACTIVE PHOTONIC BAND GAP STRUCTURES - Abstract. Journal of Electromagnetic Waves and Applications, 2003, 17, 855-857.	1.0	3
151	Design of praseodymium-doped optical waveguides. Optical Engineering, 2003, 42, 765.	0.5	1
152	Infiltrated Liquid Crystal Photonic Bandgap Devices for Switching and Tunable Filtering. Fiber and Integrated Optics, 2003, 22, 161-172.	1.7	14
153	Radiometric profiling of temperature using algorithm based on neural networks. Electronics Letters, 2003, 39, 1261.	0.5	3
154	Optimisation of tipping curve calibration of microwave radiometer. Electronics Letters, 2003, 39, 905.	0.5	7
155	Electromagnetic bandgap phased array antenna controlled by piezoelectric transducer. Electronics Letters, 2003, 39, 1028.	0.5	4
156	Grounded dielectric slab finite size effect on patch antenna radiation patterns. Electronics Letters, 2003, 39, 488.	0.5	4
157	Design and fabrication of APE - PPLN waveguides for temperature. , 2003, , .		0
158	Tunability effects in photonic band gap structures infiltrated with liquid crystals. , 2003, , .		1
159	Finite Difference Time Domain Modeling of Light Amplification in Active Photonic Band Gap Structures. Progress in Electromagnetics Research, 2003, 39, 299-339.	1.6	15
160	Design of optic sensor for hydrocarbon detection. , 2003, , .		0
161	Design and fabrication of praseodymium-doped optical waveguides. , 2002, 4645, 174.		4
162	Modeling of $\text{Er}^{3+}$ -doped $\text{SiO}_2/\text{TiO}_2$ planar amplifier. , 2002, , .		1

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163	Compact tapered photonic bandgap microstrip lowpass filter. Electronics Letters, 2002, 38, 1107.	0.5	7
164	Propagation Modes in Periodically Poled Lithium Niobate Waveguides Exploiting Cascaded Second Order Nonlinearity. Fiber and Integrated Optics, 2001, 20, 347-365.	1.7	7
165	Characterization of thin indium tin oxide films deposited by pulsed XeCl laser ablation. Journal Physics D: Applied Physics, 2001, 34, 2606-2609.	1.3	10
166	Meander microstrip photonic bandgap filter using a Kaiser tapering window. Electronics Letters, 2001, 37, 1165.	0.5	15
167	Performance enhancement of nonlinear lithium niobate couplers via double titanium and magnesium diffusion. Physica E: Low-Dimensional Systems and Nanostructures, 1999, 5, 84-97.	1.3	9
168	Exact analysis of cascaded second-order nonlinearity in rotated Ti:LiNbO3 Couplers. Optical and Quantum Electronics, 1999, 31, 655-674.	1.5	7
169	Effects of thermal annealing on the optical characteristics of K <sup>+</sup> -Na <sup>+</sup> waveguides. Applied Optics, 1998, 37, 2346.	2.1	9
170	Design of an Ultrashort Directional Coupler With an SSFLC Coupling Layer. Molecular Crystals and Liquid Crystals, 1998, 320, 355-364.	0.3	6
171	Design and demonstration of interferometric integrated-optic sensors in Ti:LiNbO3 waveguides. Fiber and Integrated Optics, 1997, 16, 369-386.	1.7	3
172	Comparison Between the Performance of Ti:LiNbO3 and H:LiNbO3 Rotated Optical Axis Waveguides - Summary. Journal of Electromagnetic Waves and Applications, 1997, 11, 547-559.	1.0	6
173	Migration of guided and leaky modes in rotated optical axis birefringent waveguides. , 1995, , .		0
174	Mathematical refinements of excitation conditions in coupled waveguides. Journal of Electromagnetic Waves and Applications, 1995, 9, 241-265.	1.0	2
175	Refined modeling of traveling-wave Ti:LiNbO3 channel waveguide modulator. Fiber and Integrated Optics, 1995, 14, 141-157.	1.7	1
176	Leaky mode propagation in planar multilayer birefringent waveguides: longitudinal dielectric tensor configuration. Journal of Lightwave Technology, 1994, 12, 453-462.	2.7	9
177	<title>Design and simulation of optical switches on nonlinear glasses</title>. , 1994, 2150, 173.		0
178	Propagation characteristics of nonlinear graded-index optical waveguides. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 1565.	0.9	10
179	Design of a Ti:LiNbO 3 sensor for the simultaneous measurement of stress and temperature. , 1993, 2101, 340.		1
180	Switching elements based on the spatial optical soliton propagation. , 1993, , .		1

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181	Leaky mode propagation in planar multi-layer inhomogeneous birefringent waveguides: polar dielectric tensor configuration. Journal Physics D: Applied Physics, 1992, 25, 1172-1181.	1.3	8
182	<title>Integrated optics displacement sensor</title>. , 1991, , .		0
183	<title>Integrated optics temperature sensor</title>. , 1991, , .		0
184	<title>All-optical Ti:LiNbO <sub>3</sub> waveguide switch</title>. , 1991, , .		1
185	Optical Stress Sensor Made Via Ti:LiNbO <sub>3</sub> Coupler For Robotic Manipulation. , 1990, , .		1
186	Coherent phase modulators on Ti-indiffused lithium niobate waveguides. , 1990, , .		3
187	Design of couplers based on cascaded second-order nonlinearity taking into account hybrid propagation. , 0, , .		0
188	Optical switching in active InGaAsP/InP directional coupler. , 0, , .		1
189	Design and demonstration of a vertical SSFLC coupler switch. , 0, , .		0
190	A new structure for a six port reflectometer by using a five port ring. , 0, , .		0
191	HEMT statistical modeling using Monte Carlo method combined with Principal Components Analysis. , 0, , .		0
192	Genetic algorithm application for RASS-wind profiler data processing in remote sensing. , 0, , .		0
193	Lithium niobate integrated optical devices. , 0, , .		0
194	Optical amplification for communication systems. , 0, , .		0
195	Two-dimensional photonic crystal couplers with defect coupling region for wavelength division multi/demultiplexing. , 0, , .		0
196	Light amplification in active photonic band gap structures. , 0, , .		0
197	Photonic band gap wavelength multiplexer-demultiplexer. , 0, , .		0
198	Second order nonlinear interactions in periodic waveguides. , 0, , .		1

#	ARTICLE	IF	CITATIONS
199	Photonic crystal fibres. , 0, , .		2