

Patrick Bouchon

List of Publications by Citations

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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.

40
papers

1,108
citations

13
h-index

33
g-index

56
ext. papers

1,357
ext. citations

3.2
avg, IF

3.94
L-index

#	Paper	IF	Citations
40	Evaluation and selection of tandem repeat loci for a Brucella MLVA typing assay. <i>BMC Microbiology</i> , 2006 , 6, 9	4.5	253
39	Wideband omnidirectional infrared absorber with a patchwork of plasmonic nanoantennas. <i>Optics Letters</i> , 2012 , 37, 1038-40	3	196
38	On-line resources for bacterial micro-evolution studies using MLVA or CRISPR typing. <i>Biochimie</i> , 2008 , 90, 660-8	4.6	107
37	Plasmonic planar antenna for wideband and efficient linear polarization conversion. <i>Applied Physics Letters</i> , 2014 , 104, 111105	3.4	81
36	Light funneling mechanism explained by magnetoelectric interference. <i>Physical Review Letters</i> , 2011 , 107, 093902	7.4	75
35	Total routing and absorption of photons in dual color plasmonic antennas. <i>Applied Physics Letters</i> , 2011 , 99, 241104	3.4	72
34	Total funneling of light in high aspect ratio plasmonic nanoresonators. <i>Applied Physics Letters</i> , 2011 , 98, 191109	3.4	61
33	Analytical description of subwavelength plasmonic MIM resonators and of their combination. <i>Optics Express</i> , 2013 , 21, 7025-32	3.3	44
32	Shaping the spatial and spectral emissivity at the diffraction limit. <i>Applied Physics Letters</i> , 2015 , 107, 251103	3.4	43
31	Fast modal method for subwavelength gratings based on B-spline formulation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010 , 27, 696-702	1.8	34
30	Metal-dielectric bi-atomic structure for angular-tolerant spectral filtering. <i>Optics Letters</i> , 2013 , 38, 425-73		25
29	High efficiency quasi-monochromatic infrared emitter. <i>Applied Physics Letters</i> , 2014 , 104, 081101	3.4	20
28	Absorbing metasurface created by diffractionless disordered arrays of nanoantennas. <i>Applied Physics Letters</i> , 2015 , 107, 251108	3.4	16
27	Near-Field and Far-Field Thermal Emission of an Individual Patch Nanoantenna. <i>Physical Review Letters</i> , 2018 , 121, 243901	7.4	10
26	Giant field enhancement in electromagnetic Helmholtz nanoantenna. <i>Physical Review B</i> , 2014 , 90,	3.3	8
25	Electromagnetic modelization of spherical focusing on a one-dimensional grating thanks to a conical B-spline modal method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 1692-7	1.8	8
24	Optical Helmholtz resonators. <i>Applied Physics Letters</i> , 2014 , 105, 071110	3.4	7

23	Fast modal method for crossed grating computation, combining finite formulation of Maxwell equations with polynomial approximated constitutive relations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 573-81	1.8	6
22	Funneling of light in combinations of metal-insulator-metal resonators. <i>Journal of Nanophotonics</i> , 2012 , 6, 063534	1.1	5
21	Modal method for second harmonic generation in nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 275	1.7	4
20	High-quality-factor double Fabry-Perot plasmonic nanoresonator. <i>Optics Letters</i> , 2017 , 42, 5062-5065	3	4
19	Reduced scattering-matrix algorithm for high-density plasmonic structures. <i>Optics Letters</i> , 2010 , 35, 3223-4	3	4
18	Rapid prototyping of flexible terahertz metasurfaces using a microplotter. <i>Optics Express</i> , 2021 , 29, 8617-8625	3.8	4
17	L-shaped metallic antenna for linear polarization conversion in reflection 2015 ,		3
16	Mode matching in second-order-susceptibility metal-dielectric structures. <i>Physical Review A</i> , 2016 , 94,	2.6	3
15	Light scattering by correlated disordered assemblies of nanoantennas. <i>Applied Physics Letters</i> , 2019 , 115, 041103	3.4	3
14	Dispersion-based intertwined SEIRA and SPR effect detection of 2,4-dinitrotoluene using a plasmonic metasurface. <i>Optics Express</i> , 2020 , 28, 39595-39605	3.3	2
13	Extraordinary transmission in optical Helmholtz resonators. <i>Optics Letters</i> , 2015 , 40, 2735-8	3	1
12	Experimental demonstration of the optical Helmholtz resonance. <i>Applied Physics Letters</i> , 2018 , 112, 1711-10	3.1	1
11	4000-enhancement of difference frequency generation in a mode-matching metamaterial. <i>Optics Express</i> , 2020 , 28, 27210-27222	3.3	1
10	Versatile architecture of ultra-narrow band absorbing photonic nanostructure. <i>EPJ Web of Conferences</i> , 2020 , 238, 05005	0.3	1
9	Towards perfect metallic behavior in optical resonant nanostructures. <i>Optics Express</i> , 2021 , 29, 18458-18468	3.5	1
8	Multispectral inhomogeneous metasurface for emissivity control 2016 ,		1
7	Hybrid modes in a single thermally excited asymmetric dimer antenna. <i>Optics Letters</i> , 2021 , 46, 981-984	3	1
6	Experimental demonstration of second-harmonic generation in high ϵ metasurfaces. <i>Optics Letters</i> , 2021 , 46, 1466-1469	3	1

- 5 Two-mode model for metal-dielectric guided-mode resonance filters. *Optics Express*, **2015**, 23, 31672-81_{3,3} ○
- 4 Spectrally exclusive phase masks for wavefront coding. *Optics Letters*, **2021**, 46, 436-439 3 ○
- 3 Three multispectral configurations of a snapshot kaleidoscope-based camera in long wavelength infrared spectral band. *Applied Optics*, **2020**, 59, 7779-7791 1.7
- 2 Study of disordered metallic groove arrays with a one-mode analytical model. *Optics Express*, **2020**, 28, 22549-22561 3.3
- 1 Rapid prototyping of a bispectral terahertz-to-infrared converter. *Optics Express*, **2021**, 29, 18437-18445_{3,3}