

# Patrick Bouchon

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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	Rapid prototyping of flexible terahertz metasurfaces using a microplotter. <i>Optics Express</i> , <b>2021</b> , 29, 8617-8625	3.3	4
39	Rapid prototyping of a bispectral terahertz-to-infrared converter. <i>Optics Express</i> , <b>2021</b> , 29, 18437-18445	3.3	3
38	Towards perfect metallic behavior in optical resonant nanostructures. <i>Optics Express</i> , <b>2021</b> , 29, 18458-18468	3.3	1
37	Hybrid modes in a single thermally excited asymmetric dimer antenna. <i>Optics Letters</i> , <b>2021</b> , 46, 981-984	3	1
36	Experimental demonstration of second-harmonic generation in high $\epsilon$ metasurfaces. <i>Optics Letters</i> , <b>2021</b> , 46, 1466-1469	3	1
35	Spectrally exclusive phase masks for wavefront coding. <i>Optics Letters</i> , <b>2021</b> , 46, 436-439	3	0
34	4000-enhancement of difference frequency generation in a mode-matching metamaterial. <i>Optics Express</i> , <b>2020</b> , 28, 27210-27222	3.3	1
33	Versatile architecture of ultra-narrow band absorbing photonic nanostructure. <i>EPJ Web of Conferences</i> , <b>2020</b> , 238, 05005	0.3	1
32	Three multispectral configurations of a snapshot kaleidoscope-based camera in long wavelength infrared spectral band. <i>Applied Optics</i> , <b>2020</b> , 59, 7779-7791	1.7	
31	Study of disordered metallic groove arrays with a one-mode analytical model. <i>Optics Express</i> , <b>2020</b> , 28, 22549-22561	3.3	
30	Dispersion-based intertwined SEIRA and SPR effect detection of 2,4-dinitrotoluene using a plasmonic metasurface. <i>Optics Express</i> , <b>2020</b> , 28, 39595-39605	3.3	2
29	Light scattering by correlated disordered assemblies of nanoantennas. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 041103	3.4	3
28	Experimental demonstration of the optical Helmholtz resonance. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 171110	3.1	1
27	Near-Field and Far-Field Thermal Emission of an Individual Patch Nanoantenna. <i>Physical Review Letters</i> , <b>2018</b> , 121, 243901	7.4	10
26	High-quality-factor double Fabry-Perot plasmonic nanoresonator. <i>Optics Letters</i> , <b>2017</b> , 42, 5062-5065	3	4
25	Mode matching in second-order-susceptibility metal-dielectric structures. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	3
24	Multispectral inhomogeneous metasurface for emissivity control <b>2016</b> ,		1

23	L-shaped metallic antenna for linear polarization conversion in reflection <b>2015</b> ,		3
22	Modal method for second harmonic generation in nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2015</b> , 32, 275	1.7	4
21	Extraordinary transmission in optical Helmholtz resonators. <i>Optics Letters</i> , <b>2015</b> , 40, 2735-8	3	1
20	Two-mode model for metal-dielectric guided-mode resonance filters. <i>Optics Express</i> , <b>2015</b> , 23, 31672-81	3.3	0
19	Shaping the spatial and spectral emissivity at the diffraction limit. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 251103	3.4	43
18	Absorbing metasurface created by diffractionless disordered arrays of nanoantennas. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 251108	3.4	16
17	High efficiency quasi-monochromatic infrared emitter. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 081101	3.4	20
16	Giant field enhancement in electromagnetic Helmholtz nanoantenna. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	8
15	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> , <b>2014</b> , 31, 1692-7	1.8	8
14	Plasmonic planar antenna for wideband and efficient linear polarization conversion. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 111105	3.4	81
13	Optical Helmholtz resonators. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 071110	3.4	7
12	Metal-dielectric bi-atomic structure for angular-tolerant spectral filtering. <i>Optics Letters</i> , <b>2013</b> , 38, 425-7	3	25
11	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> , <b>2013</b> , 30, 573-81	1.8	6
10	Analytical description of subwavelength plasmonic MIM resonators and of their combination. <i>Optics Express</i> , <b>2013</b> , 21, 7025-32	3.3	44
9	Wideband omnidirectional infrared absorber with a patchwork of plasmonic nanoantennas. <i>Optics Letters</i> , <b>2012</b> , 37, 1038-40	3	196
8	Funneling of light in combinations of metal-insulator-metal resonators. <i>Journal of Nanophotonics</i> , <b>2012</b> , 6, 063534	1.1	5
7	Total routing and absorption of photons in dual color plasmonic antennas. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 241104	3.4	72
6	Light funneling mechanism explained by magnetoelectric interference. <i>Physical Review Letters</i> , <b>2011</b> , 107, 093902	7.4	75

5	Total funneling of light in high aspect ratio plasmonic nanoresonators. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 191109	3.4	61
4	Reduced scattering-matrix algorithm for high-density plasmonic structures. <i>Optics Letters</i> , <b>2010</b> , 35, 3223-4	4	
3	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> , <b>2010</b> , 27, 696-702	1.8	34
2	On-line resources for bacterial micro-evolution studies using MLVA or CRISPR typing. <i>Biochimie</i> , <b>2008</b> , 90, 660-8	4.6	107
1	Evaluation and selection of tandem repeat loci for a Brucella MLVA typing assay. <i>BMC Microbiology</i> , <b>2006</b> , 6, 9	4.5	253