

# Olivier Vanbsien

## 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.

25  
papers

196  
citations

8  
h-index

14  
g-index

28  
ext. papers

228  
ext. citations

2.7  
avg, IF

2.03  
L-index

#	Paper	IF	Citations
25	<b>2014,</b>		1
24	Enhanced backscattering for infrared detection using photonic crystal based flat lens. <i>Applied Optics</i> , <b>2012</b> , 51, 5601-8	1.7	
23	<b>2012,</b>		3
22	Interface engineering for improved light transmittance through photonic crystal flat lenses. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 071119	3.4	12
21	Image reconstruction using a photonic crystal based flat lens operating at 1.55 $\mu$ m. <i>Applied Optics</i> , <b>2010</b> , 49, 5806-13	0.2	7
20	Defect assisted subwavelength resolution in III-V semiconductor photonic crystal flat lenses with $n = 1$ . <i>Optics Communications</i> , <b>2010</b> , 283, 1169-1173	2	11
19	Negative-Zero-Positive Refractive Index in a Prism-Like Omega-Type Metamaterial. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2008</b> , 56, 2566-2573	4.1	22
18	Photonic-crystal-based cloaking device at optical wavelengths. <i>Applied Optics</i> , <b>2008</b> , 47, 1358-62	1.7	16
17	Omega-Type Balanced Composite Negative Refractive Index Materials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 3462-3469	4.9	7
16	Bloch impedance in negative index photonic crystals. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	35
15	Optical near-field microscopy of light focusing through a photonic crystal flat lens. <i>Physical Review Letters</i> , <b>2008</b> , 101, 073901	7.4	52
14	Optimized focusing properties of photonic crystal slabs. <i>Optics Communications</i> , <b>2008</b> , 281, 3571-3577	2	8
13	Left-handed propagation media via photonic crystal and metamaterials. <i>Comptes Rendus Physique</i> , <b>2005</b> , 6, 683-692	1.4	1
12	Left-handed electromagnetism obtained via nanostructured metamaterials: comparison with that from microstructured photonic crystals. <i>Journal of Optics</i> , <b>2005</b> , 7, S3-S11		15
11	Resonant tunnelling in photonic microcavities: design of highly directive radiating systems. <i>Superlattices and Microstructures</i> , <b>2001</b> , 30, 181-188	2.8	4
10	Wave shaping through finite electromagnetic bandgap structure. <i>Superlattices and Microstructures</i> , <b>2001</b> , 30, 321-327	2.8	1
9	Al <sub>0.3</sub> Ga <sub>0.7</sub> As-GaAs microwave resonant tunneling oscillator. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , <b>1990</b> , 45, 184-191	2	1

- 8 Detection, Imaging and Tomography Systems 321-340
- 7 Photonic Crystal Approach [Band Gap Engineering] 37-57
- 6 Two-Dimensional Microwave Balanced Composite Prism 139-155
- 5 Definitions and Concepts 3-12
- 4 Antennas 279-300
- 3 Wave-Controlling Systems [Towards Bypass and Invisibility] 225-252
- 2 The Metamaterial Approach [Permeability and Permittivity Engineering] 13-35
- 1 A Photonic Crystal Flat Lens at Optical Wavelength 197-223