

# Jacopo Bertolotti

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

4,332  
citations

257450

24  
h-index

223800

46  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4581  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Step Fabrication of High-Performance Extraordinary Transmission Plasmonic Metasurfaces Employing Ultrafast Lasers. ACS Applied Materials & Interfaces, 2022, 14, 3446-3454.	8.0	8
2	Ghost Image Processing. Optics Express, 2022, 30, 7035-7043.	3.4	1
3	Enhanced Performance and Diffusion Robustness of Phase-Change Metasurfaces via a Hybrid Dielectric/Plasmonic Approach. Nanomaterials, 2021, 11, 525.	4.1	11
4	Overcoming optical performance and diffusion issues in thermally tunable phase-change metasurfaces. , 2021, , .		0
5	Bloch oscillations of backward volume magnetostatic spin waves. Physical Review B, 2020, 102, .	3.2	4
6	Hybrid silicon/phase-change metasurfaces and nanoantennas for active nanophotonics. Journal of Physics: Conference Series, 2020, 1461, 012164.	0.4	1
7	Tunable optical metasurfaces enabled by chalcogenide phase-change materials: from the visible to the THz. Journal of Optics (United Kingdom), 2020, 22, 114001.	2.2	45
8	Reconfigurable multilevel control of hybrid all-dielectric phase-change metasurfaces. Optica, 2020, 7, 476.	9.3	153
9	One size doesn't fit all. Nature Physics, 2019, 15, 724-724.	16.7	2
10	Role of Anisotropy and Refractive Index in Scattering and Whiteness Optimization. Advanced Optical Materials, 2019, 7, 1900980.	7.3	37
11	Impact of Pump Wavelength on Terahertz Emission of a Cavity-Enhanced Spintronic Trilayer. , 2019, , .		0
12	Calculating coherent light-wave propagation in large heterogeneous media. Optics Express, 2019, 27, 11946.	3.4	8
13	Impact of pump wavelength on terahertz emission of a cavity-enhanced spintronic trilayer. Applied Physics Letters, 2019, 114, .	3.3	54
14	Coherent backscattering of light by an anisotropic biological network. Interface Focus, 2019, 9, 20180050.	3.0	23
15	A nanophotonic laser on a graph. Nature Communications, 2019, 10, 226.	12.8	51
16	Optimal position of an emitter in a wavelength-scale parabolic reflector. Applied Optics, 2019, 58, 7957.	1.8	1
17	Blind ghost imaging. Optica, 2019, 6, 460.	9.3	46
18	Designing disorder. Nature Photonics, 2018, 12, 59-60.	31.4	7

#	ARTICLE	IF	CITATIONS
19	Nonvolatile Reconfigurable Phase-Change Metadevices for Beam Steering in the Near Infrared. <i>Advanced Functional Materials</i> , 2018, 28, 1704993.	14.9	187
20	Adaptive Control of Necklace States in a Photonic Crystal Waveguide. <i>ACS Photonics</i> , 2018, 5, 3984-3988.	6.6	7
21	Wide field fluorescence epi-microscopy behind a scattering medium enabled by speckle correlations. <i>Optics Express</i> , 2018, 26, 9866.	3.4	51
22	Non-Gaussian Correlations between Reflected and Transmitted Intensity Patterns Emerging from Opaque Disordered Media. <i>Physical Review X</i> , 2018, 8, .	8.9	16
23	Phase-Change Metasurfaces for Dynamic Beam Steering and Beam Shaping in the Infrared. , 2018, , .		10
24	Enhanced deep detection of Raman scattered light by wavefront shaping. <i>Optics Express</i> , 2018, 26, 33565.	3.4	7
25	Absence of Anderson localization in certain random lattices. <i>Physical Review E</i> , 2017, 96, 022122.	2.1	8
26	Enhancement of optical energy delivery through strongly scattering media by wavefront shaping techniques. , 2017, , .		0
27	Non-classical correlations of multiply scattered light. , 2017, , .		0
28	Quantum correlation of light scattered by disordered media. <i>Optics Express</i> , 2016, 24, 4662.	3.4	8
29	Optical transmission matrix as a probe of the photonic strength. <i>Physical Review A</i> , 2016, 94, .	2.5	16
30	Non-invasive imaging through opaque scattering layers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	6
31	Unravelling the tangle. <i>Nature Physics</i> , 2015, 11, 622-623.	16.7	5
32	Characterization of the angular memory effect of scattered light in biological tissues. <i>Optics Express</i> , 2015, 23, 13505.	3.4	128
33	Speckle correlation resolution enhancement of wide-field fluorescence imaging. <i>Optica</i> , 2015, 2, 424.	9.3	106
34	Superpixel-based spatial amplitude and phase modulation using a digital micromirror device. <i>Optics Express</i> , 2014, 22, 17999.	3.4	242
35	Peeking through the curtain. <i>Nature Photonics</i> , 2014, 8, 751-752.	31.4	10
36	High-resolution phase and amplitude modulation using a digital micromirror device. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	Imaging Through Scattering Media. , 2013, , .		3
38	Weak Localization of Light in Superdiffusive Random Systems. Physical Review Letters, 2012, 108, 110604.	7.8	29
39	Non-invasive imaging through opaque scattering layers. Nature, 2012, 491, 232-234.	27.8	882
40	Scattering Lens Resolves Sub-100Ånm Structures with Visible Light. Physical Review Letters, 2011, 106, 193905.	7.8	243
41	Scattering optics resolve nanostructure. , 2011, , .		1
42	Coherent optical imaging through opaque layers. , 2011, , .		0
43	Engineering Disorder in Superdiffusive LÃ©vy Glasses. Advanced Functional Materials, 2010, 20, 965-968.	14.9	45
44	Role of quenching on superdiffusive transport in two-dimensional random media. Physical Review E, 2010, 82, 011101.	2.1	27
45	Multiple Scattering of Light in Superdiffusive Media. Physical Review Letters, 2010, 105, 163902.	7.8	22
46	Photons, dust, and honeybees. , 2009, , .		0
47	A LÃ©vy flight for light. Nature, 2008, 453, 495-498.	27.8	634
48	Resonant light transport through Mie modes in photonic glasses. Physical Review A, 2008, 78, .	2.5	62
49	Observation of Resonant Behavior in the Energy Velocity of Diffused Light. Physical Review Letters, 2007, 99, 233902.	7.8	73
50	Nanocrystal Plasma Polymerization. AIP Conference Proceedings, 2007, , .	0.4	0
51	Multigram Scale, Solventless, and Diffusion-Controlled Route to Highly Monodisperse PbS Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 671-673.	2.6	276
52	From colour fingerprinting to the control of photoluminescence in elastic photonic crystals. Nature Materials, 2006, 5, 179-184.	27.5	392
53	Wave transport in random systems: Multiple resonance character of necklace modes and their statistical behavior. Physical Review E, 2006, 74, 035602.	2.1	34
54	Wide-band transmission of nondistorted slow waves in one-dimensional optical superlattices. Applied Physics Letters, 2006, 88, 241103.	3.3	25

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55	Optical necklace states in Anderson localized 1D systems. , 2006, , .		106
56	Nanocrystals as Precursors for Flexible Functional Films. Small, 2005, 1, 1184-1187.	10.0	40
57	PbS Nanocrystal "Plasma-Polymerization". Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
58	Optical Necklace States in Anderson Localized 1D Systems. Physical Review Letters, 2005, 94, 113903.	7.8	177