

Matteo Burresti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10419108/publications.pdf>

Version: 2024-02-01

20
papers

1,461
citations

567281

15
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

2213
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Fueled Microscopic Walkers. <i>Advanced Materials</i> , 2015, 27, 3883-3887.	21.0	355
2	Photon management in two-dimensional disordered media. <i>Nature Materials</i> , 2012, 11, 1017-1022.	27.5	313
3	Bright-White Beetle Scales Optimise Multiple Scattering of Light. <i>Scientific Reports</i> , 2014, 4, 6075.	3.3	161
4	Disordered photonic structures for light harvesting in solar cells. <i>Optics Express</i> , 2013, 21, A460.	3.4	114
5	Light Transport and Localization in Two-Dimensional Correlated Disorder. <i>Physical Review Letters</i> , 2014, 112, 143901.	7.8	73
6	Anisotropic Light Transport in White Beetle Scales. <i>Advanced Optical Materials</i> , 2015, 3, 1337-1341.	7.3	62
7	Optically controlled elastic microcavities. <i>Light: Science and Applications</i> , 2015, 4, e282-e282.	16.6	61
8	Complex Photonic Structures for Light Harvesting. <i>Advanced Optical Materials</i> , 2015, 3, 722-743.	7.3	57
9	Two-dimensional disorder for broadband, omnidirectional and polarization-insensitive absorption. <i>Optics Express</i> , 2013, 21, A268.	3.4	53
10	Three-Dimensional Photonic Circuits in Rigid and Soft Polymers Tunable by Light. <i>ACS Photonics</i> , 2018, 5, 3222-3230.	6.6	53
11	Weak Localization of Light in Superdiffusive Random Systems. <i>Physical Review Letters</i> , 2012, 108, 110604.	7.8	29
12	Negative-Index Metamaterials: Looking into the Unit Cell. <i>Nano Letters</i> , 2010, 10, 2480-2483.	9.1	27
13	Path length enhancement in disordered media for increased absorption. <i>Optics Express</i> , 2015, 23, A1472.	3.4	27
14	Holey random walks: Optics of heterogeneous turbid composites. <i>Physical Review E</i> , 2013, 87, 022120.	2.1	24
15	Nanoimprint Lithography for Nanophotonics in Silicon. <i>Nano Letters</i> , 2008, 8, 2872-2877.	9.1	22
16	Enhanced downconversion of UV light by resonant scattering of aluminum nanoparticles. <i>Optics Letters</i> , 2012, 37, 368.	3.3	13
17	Walk dimension for light in complex disordered media. <i>Physical Review A</i> , 2014, 90, .	2.5	13
18	Device-level photonic testing. <i>Nature Photonics</i> , 2015, 9, 8-9.	31.4	2

#	ARTICLE	IF	CITATIONS
19	Light Transport: Anisotropic Light Transport in White Beetle Scales (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT /Overlock	7.3	1
20	Light scattering optimization of chitin random network in ultrawhite beetle scales. , 2017, , .		0