

Lorenzo Pattelli

List of Publications by Year in descending order

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papers

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34
all docs

34
docs citations

34
times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-Size and Illumination Conditions Effects in All-Dielectric Metasurfaces. Electronics (Switzerland), 2022, 11, 1017.	3.1	8
2	Iridescent Daytime Radiative Cooling with No Absorption Peaks in the Visible Range. Small, 2022, 18, e2202400.	10.0	42
3	Experimental imaging and Monte Carlo modeling of ultrafast pulse propagation in thin scattering slabs. Journal of Biomedical Optics, 2022, 27, .	2.6	1
4	Perspectives and recent advances in super-resolution spectroscopy: Stochastic and disordered-based approaches. Applied Physics Letters, 2022, 120, .	3.3	6
5	Spatial coherence of light inside three-dimensional media. Nature Communications, 2021, 12, 4199.	12.8	9
6	Sprayable Ultrablack Coating Based on Hollow Carbon Nanospheres. ACS Applied Nano Materials, 2021, 4, 7995-8002.	5.0	8
7	SMUTHI: A python package for the simulation of light scattering by multiple particles near or between planar interfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 273, 107846.	2.3	27
8	Spectral super-resolution spectroscopy using a random laser. Nature Photonics, 2020, 14, 177-182.	31.4	62
9	Diagnostics and Characterization of Photonic Circuits by Wide-Field Spatiotemporal Imaging. ACS Photonics, 2020, 7, 1491-1499.	6.6	3
10	Bioinspired "Skin" with Cooperative Thermo-Optical Effect for Daytime Radiative Cooling. ACS Applied Materials & Interfaces, 2020, 12, 25286-25293.	8.0	84
11	Optimized White Reflectance in Photonic Network Structures. Advanced Optical Materials, 2019, 7, 1900043.	7.3	20
12	Biophotonic Films: Biomimetic Polymer Film with Brilliant Brightness Using a One-Step Water Vapor-Induced Phase Separation Method (Adv. Funct. Mater. 23/2019). Advanced Functional Materials, 2019, 29, 1970158.	14.9	1
13	Biomimetic Polymer Film with Brilliant Brightness Using a One-Step Water Vapor-Induced Phase Separation Method. Advanced Functional Materials, 2019, 29, 1808885.	14.9	44
14	Liquid Crystals: Liquid Crystal-Induced Myoblast Alignment (Adv. Healthcare Mater. 3/2019). Advanced Healthcare Materials, 2019, 8, 1970009.	7.6	7
15	Liquid Crystal-Induced Myoblast Alignment. Advanced Healthcare Materials, 2019, 8, e1801489.	7.6	36
16	Focus Point on Complex Photonics. European Physical Journal Plus, 2018, 133, 1.	2.6	0
17	Remote control of liquid crystal elastomer random laser using external stimuli. Applied Physics Letters, 2018, 113, .	3.3	15
18	Role of packing density and spatial correlations in strongly scattering 3D systems. Optica, 2018, 5, 1037.	9.3	37

#	ARTICLE	IF	CITATIONS
19	CELES: CUDA-accelerated simulation of electromagnetic scattering by large ensembles of spheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 199, 103-110.	2.3	69
20	Remote Control of Liquid Crystal Elastomer Random Laser. , 2017, , .		0
21	Light scattering optimization of chitin random network in ultrawhite beetle scales. , 2017, , .		0
22	Spatio-temporal visualization of light transport in complex photonic structures. <i>Light: Science and Applications</i> , 2016, 5, e16090-e16090.	16.6	17
23	Diffusive light transport in semitransparent media. <i>Physical Review A</i> , 2016, 94, .	2.5	7
24	Deducing effective light transport parameters in optically thin systems. <i>New Journal of Physics</i> , 2016, 18, 023036.	2.9	10
25	Anisotropic Light Transport in White Beetle Scales. <i>Advanced Optical Materials</i> , 2015, 3, 1337-1341.	7.3	62
26	Light Transport: Anisotropic Light Transport in White Beetle Scales (<i>Advanced Optical Materials</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	7.3	1
27	Bright-White Beetle Scales Optimise Multiple Scattering of Light. <i>Scientific Reports</i> , 2014, 4, 6075.	3.3	161
28	Engineering Disorder in Superdiffusive LÃ©vy Glasses. <i>Advanced Functional Materials</i> , 2010, 20, 965-968.	14.9	45