

Romain Pierrat

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

488
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

481
citing authors

#	ARTICLE	IF	CITATIONS
1	High-density hyperuniform materials can be transparent. <i>Optica</i> , 2016, 3, 763.	9.3	139
2	Observation of mean path length invariance in light-scattering media. <i>Science</i> , 2017, 358, 765-768.	12.6	64
3	Invariance property of wave scattering through disordered media. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17765-17770.	7.1	50
4	Blind ghost imaging. <i>Optica</i> , 2019, 6, 460.	9.3	46
5	Optimizing Hyperuniformity in Self-Assembled Bidisperse Emulsions. <i>Physical Review Letters</i> , 2017, 119, 208001.	7.8	34
6	Enhanced absorption of waves in stealth hyperuniform disordered media. <i>Optics Express</i> , 2019, 27, 8666.	3.4	32
7	Intensity correlations between reflected and transmitted speckle patterns. <i>Physical Review A</i> , 2015, 92, .	2.5	24
8	Absorption of scalar waves in correlated disordered media and its maximization using stealth hyperuniformity. <i>Physical Review A</i> , 2020, 101, .	2.5	19
9	Universal Statistics of Waves in a Random Time-Varying Medium. <i>Physical Review Letters</i> , 2021, 127, 094101.	7.8	18
10	Mutual Information between Reflected and Transmitted Speckle Images. <i>Physical Review Letters</i> , 2018, 120, 073901.	7.8	15
11	Multiple scattering of polarized light in disordered media exhibiting short-range structural correlations. <i>Physical Review A</i> , 2016, 94, .	2.5	13
12	Transport equation for the time correlation function of scattered field in dynamic turbid media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 2840.	1.5	8
13	Structure and dynamics of multicellular assemblies measured by coherent light scattering. <i>New Journal of Physics</i> , 2017, 19, 073033.	2.9	8
14	The influence of the scattering anisotropy parameter on diffuse reflection of light. <i>Optics Communications</i> , 2008, 281, 18-22.	2.1	7
15	Radiative transfer of acoustic waves in continuous complex media: Beyond the Helmholtz equation. <i>Physical Review E</i> , 2016, 94, 053005.	2.1	7
16	Measuring cell displacements in opaque tissues: dynamic light scattering in the multiple scattering regime. <i>Biomedical Optics Express</i> , 2020, 11, 2277.	2.9	3
17	Propagation of scalar waves in dense disordered media exhibiting short- and long-range correlations. <i>Physical Review E</i> , 2021, 104, 064138.	2.1	1
18	When the Structure Becomes Insignificant: Invariance of the Mean Path Length in Light-Scattering Media. , 2018, , .		0