

# 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

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18  
all docs

18  
docs citations

18  
times ranked

481  
citing authors

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