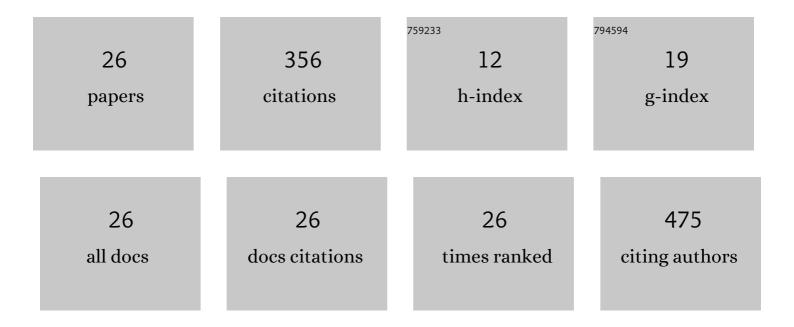
Fabrizio Sgrignuoli

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Silicon nanocrystals as a photoluminescence down shifter for solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 1224-1227.	6.2	56
2	Beaming light from a quantum emitter with a planar optical antenna. Light: Science and Applications, 2017, 6, e16245-e16245.	16.6	41
3	Modeling of silicon nanocrystals based down-shifter for enhanced silicon solar cell performance. Journal of Applied Physics, 2012, 111, 034303.	2.5	28
4	Localization of scattering resonances in aperiodic Vogel spirals. Physical Review B, 2019, 99, .	3.2	27
5	Purcell effect and luminescent downshifting in silicon nanocrystals coated back-contact solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 267-274.	6.2	24
6	Necklace State Hallmark in Disordered 2D Photonic Systems. ACS Photonics, 2015, 2, 1636-1643.	6.6	22
7	Multichannel remote polarization control enabled by nanostructured liquid crystalline networks. Applied Physics Letters, 2019, 114, .	3.3	13
8	Cavity quantum electro-dynamics with solid-state emitters in aperiodic nano-photonic spiral devices. Applied Physics Letters, 2020, 117, .	3.3	13
9	Subdiffusive wave transport and weak localization transition in three-dimensional stealthy hyperuniform disordered systems. Physical Review B, 2022, 105, .	3.2	13
10	Electroluminescent devices based on nanosilicon multilayer structures. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1525-1531.	1.8	12
11	Multifractality of light in photonic arrays based on algebraic number theory. Communications Physics, 2020, 3, .	5.3	12
12	Cavity-enhanced light–matter interaction in Vogel-spiral devices as a platform for quantum photonics. Applied Physics Letters, 2021, 118, .	3.3	12
13	Subdiffusive light transport in three-dimensional subrandom arrays. Physical Review B, 2020, 101, .	3.2	10
14	Compact Dualâ€Band Multiâ€Focal Diffractive Lenses. Laser and Photonics Reviews, 2021, 15, 2000207.	8.7	10
15	Aperiodic Photonics of Elliptic Curves. Crystals, 2019, 9, 482.	2.2	8
16	Optical rogue waves in multifractal photonic arrays. Physical Review B, 2021, 103, .	3.2	8
17	Hyperuniformity and wave localization in pinwheel scattering arrays. Physical Review B, 2021, 103, .	3.2	8
18	Quantum effects in silicon for photovoltaic applications. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1071-1075.	1.8	7

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#	Article	IF	CITATIONS
19	Aperiodic bandgap structures for enhanced quantum two-photon sources. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C94.	2.1	7
20	Phase-Modulated Axilenses As Ultracompact Spectroscopic Tools. ACS Photonics, 2020, 7, 2731-2738.	6.6	6
21	Mechanical and Electric Control of Photonic Modes in Random Dielectrics. Advanced Materials, 2019, 31, 1807274.	21.0	6
22	Compact localized states of open scattering media: a graph decomposition approach for an ab initio design. Optics Letters, 2019, 44, 375.	3.3	5
23	Roughness-induced enhancement of optical absorption in random media. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 915.	2.1	4
24	Structural entropy and spatial decay of quasimodes in Vogel spirals. Physical Review B, 2021, 104, .	3.2	4
25	Dielectrics: Mechanical and Electric Control of Photonic Modes in Random Dielectrics (Adv. Mater.) Tj ETQq1 1 0	.784314 r 21.0	gBT /Overloo
26	Wave Transport and Localization in Prime Number Landscapes. Frontiers in Physics, 2021, 9, .	2.1	0