Emmanuel Rousseau

List of Publications by Year
in descending order

28	1,379	687363 13	677142 22
papers	citations	h-index	g-index

28	28	28	1666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiative heat transfer at the nanoscale. Nature Photonics, 2009, 3, 514-517.	31.4	561
2	Compact Antenna for Efficient and Unidirectional Launching and Decoupling of Surface Plasmons. Nano Letters, 2011, 11, 4207-4212.	9.1	165
3	Mesoscopic Description of Radiative Heat Transfer at the Nanoscale. Physical Review Letters, 2010, 105, 234301.	7.8	164
4	Deep ultraviolet emission in hexagonal boron nitride grown by high-temperature molecular beam epitaxy. 2D Materials, 2017, 4, 021023.	4.4	102
5	Anti-coalescence of bosons on a lossy beam splitter. Science, 2017, 356, 1373-1376.	12.6	71
6	Optical properties of an ensemble of G-centers in silicon. Physical Review B, 2018, 97, .	3.2	49
7	Addition spectra of Wigner islands of electrons on superfluid helium. Physical Review B, 2009, 79, .	3.2	47
8	Radiative heat transfer at nanoscale mediated by surface plasmons for highly doped silicon. Applied Physics Letters, 2009, 95, .	3.3	33
9	Detection of a Biexciton in Semiconducting Carbon Nanotubes Using Nonlinear Optical Spectroscopy. Physical Review Letters, 2012, 109, 197402.	7.8	31
10	Quantum metamaterials in the microwave and optical ranges. EPJ Quantum Technology, 2016, 3, .	6.3	29
11	Asymptotic expressions describing radiative heat transfer between polar materials from the far-field regime to the nanoscale regime. Journal of Applied Physics, 2012, 111, .	2.5	25
12	Radiative heat transfer at nanoscale: Closed-form expression for silicon at different doping levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 1005-1014.	2.3	23
13	InAs quantum dot in a needlelike tapered InP nanowire: a telecom band single photon source monolithically grown on silicon. Nanoscale, 2019, 11, 21847-21855.	5.6	19
14	Heat transfer between a hot AFM tip and a cold sample: impact of the air pressure. Materials Research Society Symposia Proceedings, 2013, 1543, 159-164.	0.1	12
15	The quantum-optics Hamiltonian in the Multipolar gauge. Scientific Reports, 2017, 7, 11115.	3.3	11
16	Trapping Electrons in Electrostatic Traps over the Surface ofÂ4He. Journal of Low Temperature Physics, 2007, 148, 193-197.	1.4	10
17	Collective resonant modes of a metasurface. Journal of Nanophotonics, 2014, 8, 083987.	1.0	8
18	Concept of a Generalized Law of Refraction: A Phenomenological Model. ACS Photonics, 2020, 7, 1649-1654.	6.6	8

#	Article	IF	Citations
19	Comment on the paper â€œImproving Poor Manâ€™s Kramers-Kronig analysis and Kramers-Kronig constrained variational analysisâ€. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 259, 119849.	3.9	4
20	Allâ€Optical Photonic Band Control in a Quantum Metamaterial. Annalen Der Physik, 2017, 529, 1600371.	2.4	3
21	Ray chaos in a photonic crystal. Europhysics Letters, 2017, 117, 14002.	2.0	2
22	Rigorous Asymptotic Study of the Screened Electrostatic Potential in a Thin Dielectric Slab. Annalen Der Physik, 2019, 531, 1800486.	2.4	2
23	Confined modes on a meta-surface. Proceedings of SPIE, 2014, , .	0.8	0
24	Collective behavior of quantum resonators coupled to a metamaterial. , 2016, , .		0
25	Quantum dynamics of confined modes of a metasurface. , 2017, , .		0
26	Photonic band control in a quantum metamaterial. , 2017, , .		0
27	Strong light-matter coupling in a quantum metasurface. , 2018, , .		0
28	Topological excitations of a quantum metasurface. , 2019, , .		0