Thomas Christensen

List of Publications by Year
in descending order

33	1,739	304368 22	433756 31
papers	citations	h-index	g-index

35	35	35	2014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Location and Topology of the Fundamental Gap in Photonic Crystals. Physical Review X, 2022, 12, .	2.8	9
2	Control of quantum electrodynamical processes by shaping electron wavepackets. Nature Communications, 2021, 12, 1700.	5.8	34
3	Quantum surface-response of metals revealed by acoustic graphene plasmons. Nature Communications, 2021, 12, 3271.	5.8	27
4	Plasmonâ€“emitter interactions at the nanoscale. Nature Communications, 2020, 11, 366.	5.8	84
5	Plasmonics in argentene. Physical Review Materials, 2020, 4, .	0.9	15
6	Predictive and generative machine learning models for photonic crystals. Nanophotonics, 2020, 9, 4183-4192.	2.9	58
7	A General Framework for Nanoscale Electromagnetism. , 2020, , .		0
8	Topological kink plasmons on magnetic-domain boundaries. Nature Communications, 2019, 10, 4565.	5.8	14
9	Phonon Polaritonics in Two-Dimensional Materials. Nano Letters, 2019, 19, 2653-2660.	4.5	53
10	A general theoretical and experimental framework for nanoscale electromagnetism. Nature, 2019, 576, 248-252.	13.7	103
11	Active Radiative Thermal Switching with Graphene Plasmon Resonators. ACS Nano, 2018, 12, 2474-2481.	7.3	70
12	Dynamics and Spin-Valley Locking Effects in Monolayer Transition Metal Dichalcogenides. Nano Letters, 2018, 18, 5709-5715.	4.5	49
13	Maximal spontaneous photon emission and energy loss from free electrons. Nature Physics, 2018, 14, 894-899.	6.5	100
14	Control of semiconductor emitter frequency by increasing polariton momenta. Nature Photonics, 2018, 12, 423-429.	15.6	32
15	Fundamentals of Plasmonics. Springer Theses, 2017, , 13-35.	0.0	2
16	Nonclassical Plasmonics. Springer Theses, 2017, , 37-80.	0.0	1
17	The Substrate Effect in Electron Energy-Loss Spectroscopy of Localized Surface Plasmons in Gold and Silver Nanoparticles. ACS Photonics, 2017, 4, 251-261.	3.2	22
18	From Classical to Quantum Plasmonics in Three and Two Dimensions. Springer Theses, 2017, , .	0.0	17

#	Article	IF	Citations
19	Classical Graphene Plasmonics. Springer Theses, 2017, , 97-129.	0.0	0
20	Low-Loss Plasmonic Dielectric Nanoresonators. Nano Letters, 2017, 17, 3238-3245.	4.5	113
21	Limits to the Optical Response of Graphene and Two-Dimensional Materials. Nano Letters, 2017, 17, 5408-5415.	4.5	40
22	Quantum Corrections in Nanoplasmonics: Shape, Scale, and Material. Physical Review Letters, 2017, 118, 157402.	2.9	105
23	Infrared Topological Plasmons in Graphene. Physical Review Letters, 2017, 118, 245301.	2.9	132
24	Nonclassical Graphene Plasmonics. Springer Theses, 2017, , 131-157.	0.0	0
25	Outlook and Conclusions. Springer Theses, 2017, , 159-163.	0.0	0
26	Localized plasmons in graphene-coated nanospheres. Physical Review B, 2015, 91, .	1.1	101
27	Kerr nonlinearity and plasmonic bistability in graphene nanoribbons. Physical Review B, 2015, 92, .	1.1	66
28	Plasmonic eigenmodes in individual and bow-tie graphene nanotriangles. Scientific Reports, 2015, 5, 9535.	1.6	62
29	Multipole plasmons and their disappearance in few-nanometre silver nanoparticles. Nature Communications, 2015, 6, 8788.	5.8	139
30	Classical and quantum plasmonics in graphene nanodisks: Role of edge states. Physical Review B, 2014, 90, .	1.1	67
31	Nonlocal Response of Metallic Nanospheres Probed by Light, Electrons, and Atoms. ACS Nano, 2014, 8, 1745-1758.	7.3	145
32	Nonlocal response in thin-film waveguides: Loss versus nonlocality and breaking of complementarity. Physical Review B, 2013, 88, .	1.1	71
33	Modeling of cavities using the analytic modal method and an open geometry formalism. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1237.	0.8	3