

Thomas Christensen

List of Publications by Year in descending order

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33
papers

1,739
citations

304368

22
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

2014
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlocal Response of Metallic Nanospheres Probed by Light, Electrons, and Atoms. ACS Nano, 2014, 8, 1745-1758.	7.3	145
2	Multipole plasmons and their disappearance in few-nanometre silver nanoparticles. Nature Communications, 2015, 6, 8788.	5.8	139
3	Infrared Topological Plasmons in Graphene. Physical Review Letters, 2017, 118, 245301.	2.9	132
4	Low-Loss Plasmonic Dielectric Nanoresonators. Nano Letters, 2017, 17, 3238-3245.	4.5	113
5	Quantum Corrections in Nanoplasmonics: Shape, Scale, and Material. Physical Review Letters, 2017, 118, 157402.	2.9	105
6	A general theoretical and experimental framework for nanoscale electromagnetism. Nature, 2019, 576, 248-252.	13.7	103
7	Localized plasmons in graphene-coated nanospheres. Physical Review B, 2015, 91, .	1.1	101
8	Maximal spontaneous photon emission and energy loss from free electrons. Nature Physics, 2018, 14, 894-899.	6.5	100
9	Plasmon-“emitter interactions at the nanoscale. Nature Communications, 2020, 11, 366.	5.8	84
10	Nonlocal response in thin-film waveguides: Loss versus nonlocality and breaking of complementarity. Physical Review B, 2013, 88, .	1.1	71
11	Active Radiative Thermal Switching with Graphene Plasmon Resonators. ACS Nano, 2018, 12, 2474-2481.	7.3	70
12	Classical and quantum plasmonics in graphene nanodisks: Role of edge states. Physical Review B, 2014, 90, .	1.1	67
13	Kerr nonlinearity and plasmonic bistability in graphene nanoribbons. Physical Review B, 2015, 92, .	1.1	66
14	Plasmonic eigenmodes in individual and bow-tie graphene nanotriangles. Scientific Reports, 2015, 5, 9535.	1.6	62
15	Predictive and generative machine learning models for photonic crystals. Nanophotonics, 2020, 9, 4183-4192.	2.9	58
16	Phonon Polaritonics in Two-Dimensional Materials. Nano Letters, 2019, 19, 2653-2660.	4.5	53
17	Dynamics and Spin-Valley Locking Effects in Monolayer Transition Metal Dichalcogenides. Nano Letters, 2018, 18, 5709-5715.	4.5	49
18	Limits to the Optical Response of Graphene and Two-Dimensional Materials. Nano Letters, 2017, 17, 5408-5415.	4.5	40

#	ARTICLE	IF	CITATIONS
19	Control of quantum electrodynamical processes by shaping electron wavepackets. Nature Communications, 2021, 12, 1700.	5.8	34
20	Control of semiconductor emitter frequency by increasing polariton momenta. Nature Photonics, 2018, 12, 423-429.	15.6	32
21	Quantum surface-response of metals revealed by acoustic graphene plasmons. Nature Communications, 2021, 12, 3271.	5.8	27
22	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
23	From Classical to Quantum Plasmonics in Three and Two Dimensions. Springer Theses, 2017, , .	0.0	17
24	Plasmonics in argentene. Physical Review Materials, 2020, 4, .	0.9	15
25	Topological kink plasmons on magnetic-domain boundaries. Nature Communications, 2019, 10, 4565.	5.8	14
26	Location and Topology of the Fundamental Gap in Photonic Crystals. Physical Review X, 2022, 12, .	2.8	9
27	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
28	Fundamentals of Plasmonics. Springer Theses, 2017, , 13-35.	0.0	2
29	Nonclassical Plasmonics. Springer Theses, 2017, , 37-80.	0.0	1
30	Classical Graphene Plasmonics. Springer Theses, 2017, , 97-129.	0.0	0
31	Nonclassical Graphene Plasmonics. Springer Theses, 2017, , 131-157.	0.0	0
32	Outlook and Conclusions. Springer Theses, 2017, , 159-163.	0.0	0
33	A General Framework for Nanoscale Electromagnetism. , 2020, , .		0