

Sean Molesky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8892633/publications.pdf>

Version: 2024-02-01

19
papers

2,109
citations

567281

15
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

2357
citing authors

#	ARTICLE	IF	CITATIONS
1	$\langle T \rangle$ -operator limits on optical communication: Metaoptics, computation, and input-output transformations. Physical Review Research, 2022, 4, .	3.6	7
2	Physical limits in electromagnetism. Nature Reviews Physics, 2022, 4, 543-559.	26.6	22
3	Channel-based algebraic limits to conductive heat transfer. Physical Review B, 2020, 102, .	3.2	2
4	Fundamental limits to attractive and repulsive Casimir-Polder forces. Physical Review A, 2020, 101, .	2.5	16
5	Fundamental Limits to Radiative Heat Transfer: The Limited Role of Nanostructuring in the Near-Field. Physical Review Letters, 2020, 124, 013904.	7.8	35
6	Fundamental limits to radiative heat transfer: Theory. Physical Review B, 2020, 101, .	3.2	31
7	Global $\langle T \rangle$ operator bounds on electromagnetic scattering: Upper bounds on far-field cross sections. Physical Review Research, 2020, 2, .	3.6	26
8	Hierarchical mean-field $\langle T \rangle$ operator bounds on electromagnetic scattering: Upper bounds on near-field radiative Purcell enhancement. Physical Review Research, 2020, 2, .	3.6	12
9	Inverse-designed photon extractors for optically addressable defect qubits. Optica, 2020, 7, 1805.	9.3	28
10	$\langle T \rangle$ Operator Bounds on Angle-Integrated Absorption and Thermal Radiation for Arbitrary Objects. Physical Review Letters, 2019, 123, 257401.	7.8	26
11	Material scaling and frequency-selective enhancement of near-field radiative heat transfer for lossy metals in two dimensions via inverse design. Physical Review B, 2019, 99, .	3.2	23
12	Inverse design in nanophotonics. Nature Photonics, 2018, 12, 659-670.	31.4	1,014
13	Dual-band quasi-coherent radiative thermal source. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 216, 99-104.	2.3	13
14	Inverse design of compact multimode cavity couplers. Optics Express, 2018, 26, 26713.	3.4	19
15	Dynamic measurement of near-field radiative heat transfer. Scientific Reports, 2017, 7, 13916.	3.3	30
16	Controlling thermal emission with refractory epsilon-near-zero metamaterials via topological transitions. Nature Communications, 2016, 7, 11809.	12.8	233
17	Thermal excitation of plasmons for near-field thermophotovoltaics. Applied Physics Letters, 2014, 105, .	3.3	40
18	High temperature epsilon-near-zero and epsilon-near-pole metamaterial emitters for thermophotovoltaics. Optics Express, 2013, 21, A96.	3.4	234

#	ARTICLE	IF	CITATIONS
19	Broadband super-Planckian thermal emission from hyperbolic metamaterials. Applied Physics Letters, 2012, 101, .	3.3	298