

# Aristeidis Karalis

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

6,582  
citations

840776

11  
h-index

1058476

14  
g-index

24  
all docs

24  
docs citations

24  
times ranked

4567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Criteria for Designing Multiresonance Filters in Scattering Systems, with Application to Microwave Metasurfaces. <i>Physical Review Applied</i> , 2022, 17, .	3.8	6
2	Quasi-normal mode theory of the scattering matrix, enforcing fundamental constraints for truncated expansions. <i>Physical Review Research</i> , 2021, 3, .	3.6	16
3	Quasi-normal mode theory applied to elliptic-filter metasurface design. , 2021, , .		0
4	Plasmonic Metasurface $\hat{\bullet}$ and other $\hat{\bullet}$ Moving Objects $\hat{\bullet}$ Spatiotemporal Dispersion Cancellation for Linear Passive Subwavelength Slow Light. <i>Physical Review Letters</i> , 2019, 123, 067403.	7.8	5
5	Front-electrode design for efficient near-field thermophotovoltaics. , 2019, , .		0
6	Front-electrode design for efficient near-field ThermoPhotoVoltaics. , 2018, , .		0
7	Plasmonic meta-surfaces dispersionless both temporally and spatially. , 2018, , .		0
8	Transparent and $\hat{\sim}$ opaque $\hat{\sim}$ ™ conducting electrodes for ultra-thin highly-efficient near-field thermophotovoltaic cells. <i>Scientific Reports</i> , 2017, 7, 14046.	3.3	14
9	Transparent conducting electrodes for efficient near-field thermophotovoltaics. , 2017, , .		0
10	$\hat{\sim}$ Squeezing $\hat{\sim}$ ™ near-field thermal emission for ultra-efficient high-power thermophotovoltaic conversion. <i>Scientific Reports</i> , 2016, 6, 28472.	3.3	61
11	Temporal coupled-mode theory model for resonant near-field thermophotovoltaics. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	33
12	Plasmonic-Dielectric Systems for High-Order Dispersionless Slow or Stopped Subwavelength Light. <i>Physical Review Letters</i> , 2009, 103, 043906.	7.8	31
13	Electricity unplugged. <i>Physics World</i> , 2009, 22, 22-25.	0.0	0
14	Efficient weakly-radiative wireless energy transfer: An EIT-like approach. <i>Annals of Physics</i> , 2009, 324, 1783-1795.	2.8	117
15	Tailoring and cancelling dispersion of slow or stopped and subwavelength surface-plasmonodielectric-polaritonic light. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
16	Efficient wireless non-radiative mid-range energy transfer. <i>Annals of Physics</i> , 2008, 323, 34-48.	2.8	1,185
17	Tailoring and Cancelling Dispersion of Slow or Stopped and Subwavelength Surface-PlasmonoDielectric-Polaritonic Light. , 2008, , .		0
18	Plasmonics: tailoring dispersion, and thermal emission. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
19	Unwired energy questions asked, answered. <i>Physics Today</i> , 2007, 60, 17-17.	0.3	0
20	Coupled-mode theory for general free-space resonant scattering of waves. <i>Physical Review A</i> , 2007, 75, .	2.5	122
21	Wireless Power Transfer via Strongly Coupled Magnetic Resonances. <i>Science</i> , 2007, 317, 83-86.	12.6	4,634
22	Roughness losses and volume-current methods in photonic-crystal waveguides. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 283-293.	2.2	158
23	Surface-Plasmon-Assisted Guiding of Broadband Slow and Subwavelength Light in Air. <i>Physical Review Letters</i> , 2005, 95, 063901.	7.8	189
24	Discrete-mode cancellation mechanism for high-Q integrated optical cavities with small modal volume. <i>Optics Letters</i> , 2004, 29, 2309.	3.3	11