

Meir Grajower

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9562065/publications.pdf>

Version: 2024-02-01

25
papers

1,048
citations

623734

14
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

1560
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Metasurfaces for Coloration of Plastic Consumer Products. Nano Letters, 2014, 14, 4499-4504.	9.1	325
2	Dynamic beam steering with all-dielectric electro-optic III-V multiple-quantum-well metasurfaces. Nature Communications, 2019, 10, 3654.	12.8	157
3	Fano resonances and all-optical switching in a resonantly coupled plasmonic-atomic system. Nature Communications, 2014, 5, 4865.	12.8	126
4	Broadband electro-optic polarization conversion with atomically thin black phosphorus. Science, 2021, 374, 448-453.	12.6	57
5	The Role of Surface Roughness in Plasmonic-Assisted Internal Photoemission Schottky Photodetectors. ACS Photonics, 2018, 5, 4030-4036.	6.6	52
6	Array-Level Inverse Design of Beam Steering Active Metasurfaces. ACS Nano, 2020, 14, 15042-15055.	14.6	50
7	Tunable intraband optical conductivity and polarization-dependent epsilon-near-zero behavior in black phosphorus. Science Advances, 2021, 7, .	10.3	40
8	Ultra-precise optical to radio frequency based chip-scale refractive index and temperature sensor. Optica, 2017, 4, 1.	9.3	32
9	Giant enhancement of silicon plasmonic shortwave infrared photodetection using nanoscale self-organized metallic films. Optica, 2020, 7, 371.	9.3	31
10	Black metal thin films by deposition on dielectric antireflective moth-eye nanostructures. Scientific Reports, 2015, 5, 10563.	3.3	30
11	Plasmonic silicon Schottky photodetectors: The physics behind graphene enhanced internal photoemission. APL Photonics, 2017, 2, .	5.7	29
12	Optimization and Experimental Demonstration of Plasmonic Enhanced Internal Photoemission Silicon Schottky Detectors in the Mid-IR. ACS Photonics, 2017, 4, 1015-1020.	6.6	27
13	Non-Volatile Silicon Photonics Using Nanoscale Flash Memory Technology. Laser and Photonics Reviews, 2018, 12, 1700190.	8.7	27
14	Integrated amorphous silicon-aluminum long-range surface plasmon polariton (LR-SPP) waveguides. APL Photonics, 2018, 3, .	5.7	17
15	Integrated on-chip silicon plasmonic four quadrant detector for near infrared light. Applied Physics Letters, 2018, 113, 143103.	3.3	11
16	Magnetically Controlled Atomic Plasmonic Fano Resonances. Nano Letters, 2018, 18, 202-207.	9.1	8
17	Graphene Photo Memtransistor Based on CMOS Flash Memory Technology with Neuromorphic Applications. ACS Photonics, 2021, 8, 2659-2665.	6.6	8
18	Role of surface passivation in integrated sub-bandgap silicon photodetection. Optics Letters, 2020, 45, 2128.	3.3	8

#	ARTICLE	IF	CITATIONS
19	High resolution direct measurement of temperature distribution in silicon nanophotonics devices. Optics Express, 2013, 21, 29195.	3.4	7
20	Direct observation of optical near field in nanophotonics devices at the nanoscale using Scanning Thermal Microscopy. Optics Express, 2015, 23, 27763.	3.4	5
21	Direct observation of electromagnetic near field in silicon nanophotonics devices using Scanning Thermal Microscopy (SThM) technique. , 2014, , .		1
22	Light matter interactions in a hybrid nanophotonic-atomic platform. , 2015, , .		0
23	Hot carrier photodetection from fractal aluminum films in the near-IR. , 2019, , .		0
24	Electronic and UV light programmable doping in graphene for memory applications. , 2020, , .		0
25	Low power electro-optic SRAM based on negative differential resistance. , 2020, , .		0