Meir Grajower

List of Publications by Year
in descending order

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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	Tunable intraband optical conductivity and polarization-dependent epsilon-near-zero behavior in black phosphorus. Science Advances, 2021, 7, .	10.3	40
2	Graphene Photo Memtransistor Based on CMOS Flash Memory Technology with Neuromorphic Applications. ACS Photonics, 2021, 8, 2659-2665.	6.6	8
3	Broadband electro-optic polarization conversion with atomically thin black phosphorus. Science, 2021, 374, 448-453.	12.6	57
4	Array-Level Inverse Design of Beam Steering Active Metasurfaces. ACS Nano, 2020, 14, 15042-15055.	14.6	50
5	Role of surface passivation in integrated sub-bandgap silicon photodetection. Optics Letters, 2020, 45, 2128.	3.3	8
6	Giant enhancement of silicon plasmonic shortwave infrared photodetection using nanoscale self-organized metallic films. Optica, 2020, 7, 371.	9.3	31
7	Electronic and UV light programmable doping in graphene for memory applications. , 2020, , .		0
8	Low power electro-optic SRAM based on negative differential resistance. , 2020, , .		0
9	Dynamic beam steering with all-dielectric electro-optic IIIâ€“V multiple-quantum-well metasurfaces. Nature Communications, 2019, 10, 3654.	12.8	157
10	Hot carrier photodetection from fractal aluminum films in the near-IR. , 2019, , .		0
11	Nonâ€Volatile Silicon Photonics Using Nanoscale Flash Memory Technology. Laser and Photonics Reviews, 2018, 12, 1700190.	8.7	27
12	Integrated amorphous silicon-aluminum long-range surface plasmon polariton (LR-SPP) waveguides. APL Photonics, 2018, 3, .	5.7	17
13	Magnetically Controlled Atomicâ€“Plasmonic Fano Resonances. Nano Letters, 2018, 18, 202-207.	9.1	8
14	Integrated on-chip silicon plasmonic four quadrant detector for near infrared light. Applied Physics Letters, 2018, 113, 143103.	3.3	11
15	The Role of Surface Roughness in Plasmonic-Assisted Internal Photoemission Schottky Photodetectors. ACS Photonics, 2018, 5, 4030-4036.	6.6	52
16	Plasmonic silicon Schottky photodetectors: The physics behind graphene enhanced internal photoemission. APL Photonics, 2017, 2, .	5.7	29
17	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
18	Ultra-precise optical to radio frequency based chip-scale refractive index and temperature sensor. Optica, 2017, 4, 1.	9.3	32

#	Article	IF	Citations
19	Light matter interactions in a hybrid nanophotonic-atomic platform. , 2015, , .		0
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	Black metal thin films by deposition on dielectric antireflective moth-eye nanostructures. Scientific Reports, 2015, 5, 10563.	3.3	30
22	Fano resonances and all-optical switching in a resonantly coupled plasmonicâ€“atomic system. Nature Communications, 2014, 5, 4865.	12.8	126
23	Plasmonic Metasurfaces for Coloration of Plastic Consumer Products. Nano Letters, 2014, 14, 4499-4504.	9.1	325
24	Direct observation of electromagnetic near field in silicon nanophotonics devices using Scanning Thermal Microscopy (SThM) technique. , 2014, , .		1
25	High resolution direct measurement of temperature distribution in silicon nanophotonics devices. Optics Express, 2013, 21, 29195.	3.4	7