

# Naresh K Emani

## List of Publications by Year in descending order

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36  
papers

4,534  
citations

759233

12  
h-index

888059

17  
g-index

36  
all docs

36  
docs citations

36  
times ranked

6031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Searching for better plasmonic materials. Laser and Photonics Reviews, 2010, 4, 795-808.	8.7	1,700
2	Broadband Light Bending with Plasmonic Nanoantennas. Science, 2012, 335, 427-427.	12.6	1,291
3	Directional lasing in resonant semiconductor nanoantenna arrays. Nature Nanotechnology, 2018, 13, 1042-1047.	31.5	367
4	Efficient Light Bending with Isotropic Metamaterial Huygens's Surfaces. Nano Letters, 2014, 14, 2491-2497.	9.1	310
5	Electrically Tunable Damping of Plasmonic Resonances with Graphene. Nano Letters, 2012, 12, 5202-5206.	9.1	301
6	Electrical Modulation of Fano Resonance in Plasmonic Nanostructures Using Graphene. Nano Letters, 2014, 14, 78-82.	9.1	200
7	Plasmonic Resonances in Nanostructured Transparent Conducting Oxide Films. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 4601907-4601907.	2.9	87
8	Graphene: A Dynamic Platform for Electrical Control of Plasmonic Resonance. Nanophotonics, 2015, 4, 214-223.	6.0	67
9	High-efficiency and low-loss gallium nitride dielectric metasurfaces for nanophotonics at visible wavelengths. Applied Physics Letters, 2017, 111, .	3.3	42
10	Plasmon resonance in multilayer graphene nanoribbons. Laser and Photonics Reviews, 2015, 9, 650-655.	8.7	39
11	Material Dependence of NBTI Physical Mechanism in Silicon Oxynitride (SiON) p-MOSFETs: A Comprehensive Study by Ultra-Fast On-The-Fly (UF-OTF) DLIN Technique. , 2007, , .		28
12	Theory and Practice of On-the-fly and Ultra-fast V&T Measurements for NBTI Degradation: Challenges and Opportunities. , 2007, , .		25
13	Development of an Ultrafast On-the-Fly DLIN Technique to Study NBTI in Plasma and Thermal Oxynitride p-MOSFETs. IEEE Transactions on Electron Devices, 2008, 55, 2614-2622.	3.0	25
14	Second harmonic generation with plasmonic metasurfaces: direct comparison of electric and magnetic resonances. Optical Materials Express, 2015, 5, 2682.	3.0	20
15	Spectral singularities and asymmetric light scattering in PT-symmetric 2D nanoantenna arrays. Optics Letters, 2020, 45, 5185.	3.3	9
16	Dynamically Tunable Asymmetric Transmission in PT-Symmetric Phase Gradient Metasurface. ACS Photonics, 2021, 8, 3315-3322.	6.6	6
17	Enhancement of the optical gain in GaAs nanocylinders for nanophotonic applications. Journal of Applied Physics, 2020, 127, 153102.	2.5	5
18	Electrically Tunable Plasmonic Resonances with Graphene. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
19	Device Electrostatics and High Temperature Operation of Oxygen Terminated Boron Doped Diamond MOS Capacitor and MOSFET. , 2020, , .		2
20	Nanostructured Transparent Conductive Oxide Films for Plasmonic Applications. , 2013, , .		2
21	Enhanced light emission from gap plasmons in nano-strip MIM tunnel junctions. Journal of Optics (United Kingdom), 2020, 22, 095006.	2.2	2
22	Time Domain Modeling of Tunable Response of Graphene. , 2013, , .		1
23	Generalized Kerker effect in PT-symmetric nanoantenna array. Journal of Optics (United Kingdom), 2022, 24, 034003.	2.2	1
24	Tuning Fano Resonances with Graphene. , 2013, , .		0
25	Tunable Pulse-Shaping with Gated Graphene Nanoribbons. , 2014, , .		0
26	Second Harmonic Generation by Metamagnetics: Interplay of Electric and Magnetic Resonances. , 2014, , .		0
27	In-the-cloud optimization tool for retrieving experimentally fitted conductivity of graphene (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
28	Plasmon Resonance in Single- and Double-layer CVD Graphene Nanoribbons. , 2015, , .		0
29	High-efficiency and low-loss dielectric metasurfaces on a gallium nitride platform. , 2018, , .		0
30	Study of Gap Plasmons in 2D Finite Metal-Insulator-Metal Tunnel Junctions. , 2019, , .		0
31	Experimental Verification of Enhanced Photoluminescence in p-doped GaAs using Fluorescence Lifetime Measurements. , 2019, , .		0
32	Dynamically tunable asymmetric transmission in PT-symmetric metasurfaces. , 2021, , .		0
33	Symmetry-Breaking Plasmonic Metasurfaces for Broadband Light Bending. , 2012, , .		0
34	Studying the Interplay of Electric and Magnetic Resonance-Enhanced Second Harmonic Generation: Theory and Experiments. , 2015, , .		0
35	Graphene Nanoribbons based mid-infrared photodetectors. , 2021, , .		0
36	Wavelength Selective Beam Switching Using Electrically Driven Nano-Strip MIM Tunnel Junctions. , 2022, , .		0