

John F O'hara

List of Publications by Year in descending order

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2777
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamental Performance Limits on Terahertz Wireless Links Imposed by Group Velocity Dispersion. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 87-97.	3.1	5
2	Dispersion From Diffuse Reflectors and Its Effect on Terahertz Wireless Communication Performance. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 695-703.	3.1	2
3	Low Strength Magnetic Fields Serve as a Cue for Foraging Honey Bees but Prior Experience is More Indicative of Choice. Bioelectromagnetics, 2020, 41, 458-470.	1.6	2
4	Compensating Atmospheric Channel Dispersion for Terahertz Wireless Communication. Scientific Reports, 2020, 10, 5816.	3.3	15
5	Comment on the Veracity of the ITU-R Recommendation for Atmospheric Attenuation at Terahertz Frequencies. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 372-375.	3.1	25
6	All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	19
7	Independently tunable dual-band perfect absorber based on graphene at mid-infrared frequencies. Scientific Reports, 2016, 5, 18463.	3.3	145
8	Lower bound of sample thickness in terahertz time-domain spectroscopy. , 2014, , .		0
9	Orthogonally twisted planar concentric split ring resonators towards strong near field coupled terahertz metamaterials. Applied Physics Letters, 2014, 104, .	3.3	30
10	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. Optics Express, 2014, 22, 972.	3.4	55
11	Electromagnetic Response of Finite Terahertz Metafilm Arrays Excited on Total Internal Reflection Boundaries. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 709-720.	3.1	3
12	A review of terahertz plasmonics in subwavelength holes on conducting films. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8400416-8400416.	2.9	29
13	Direct observation of electro-optic modulation in a single split-ring resonator. Applied Physics Letters, 2013, 102, .	3.3	2
14	Tailoring terahertz plasmons with silver nanorod arrays. Scientific Reports, 2013, 3, .	3.3	23
15	Metamaterial radiation from attenuated total reflection at terahertz frequencies. , 2011, , .		2
16	Tailored resonator coupling for modifying the fundamental resonance in laterally coupled terahertz metamaterials. , 2011, , .		1
17	Tailored resonator coupling for modifying the terahertz metamaterial response. Optics Express, 2011, 19, 10679.	3.4	61
18	A broadband planar terahertz metamaterial with nested structure. Optics Express, 2011, 19, 15817.	3.4	52

#	ARTICLE	IF	CITATIONS
19	Tuning the Resonance in High-Temperature Superconducting Terahertz Metamaterials. Physical Review Letters, 2010, 105, 247402.	7.8	240
20	Multilayer terahertz metamaterials: Interactions between layers within the deep-subwavelength limit. , 2010, , .		0
21	Metamaterial based devices for terahertz imaging. , 2010, , .		1
22	Large dynamic resonance transition between surface plasmon and localized surface plasmon modes. Optics Express, 2010, 18, 12482.	3.4	19
23	Antireflection Coating Using Metamaterials and Identification of Its Mechanism. Physical Review Letters, 2010, 105, 073901.	7.8	318
24	Metamaterials for THz polarimetric devices. Optics Express, 2009, 17, 773.	3.4	93
25	Terahertz metamaterials. , 2009, , .		1
26	Experimental demonstration of frequency-agile terahertz metamaterials. Nature Photonics, 2008, 2, 295-298.	31.4	765
27	Effect of metal permittivity on resonant properties of terahertz metamaterials. Optics Letters, 2008, 33, 1506.	3.3	91
28	Thin-film sensing with planar terahertz metamaterials: sensitivity and limitations. Optics Express, 2008, 16, 1786.	3.4	454
29	Optically thin terahertz metamaterials. Optics Express, 2008, 16, 6537.	3.4	101
30	Electronic control of extraordinary terahertz transmission through subwavelength metal hole arrays. Optics Express, 2008, 16, 7641.	3.4	119
31	Active metamaterials: A novel approach to manipulate terahertz waves. , 2007, , .		0
32	Terahertz metamaterials for active, tunable, and dynamic devices. , 2007, , .		2
33	Metamaterials and their THz applications. , 2007, , .		0
34	Complementary planar terahertz metamaterials. Optics Express, 2007, 15, 1084.	3.4	307
35	Opto-electronic control of terahertz metamaterials. , 2007, , .		0
36	Effects of Microstructure Variations on Macroscopic Terahertz Metafilm Properties. Active and Passive Electronic Components, 2007, 2007, 1-10.	0.3	40

#	ARTICLE	IF	CITATIONS
37	Properties of Planar Electric Metamaterials for Novel TeraHertz Applications. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 90-95.	0.5	30
38	Prism coupling to terahertz surface plasmon polaritons. Optics Express, 2005, 13, 6117.	3.4	61
39	Terahertz surface plasmon polariton coupling on metallic gratings. Optics Express, 2004, 12, 6397.	3.4	69