

# John F O'hara

## List of Publications by Year in descending order

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39  
papers

3,182  
citations

331670

21  
h-index

477307

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental demonstration of frequency-agile terahertz metamaterials. Nature Photonics, 2008, 2, 295-298.	31.4	765
2	Thin-film sensing with planar terahertz metamaterials: sensitivity and limitations. Optics Express, 2008, 16, 1786.	3.4	454
3	Antireflection Coating Using Metamaterials and Identification of Its Mechanism. Physical Review Letters, 2010, 105, 073901.	7.8	318
4	Complementary planar terahertz metamaterials. Optics Express, 2007, 15, 1084.	3.4	307
5	Tuning the Resonance in High-Temperature Superconducting Terahertz Metamaterials. Physical Review Letters, 2010, 105, 247402.	7.8	240
6	Independently tunable dual-band perfect absorber based on graphene at mid-infrared frequencies. Scientific Reports, 2016, 5, 18463.	3.3	145
7	Electronic control of extraordinary terahertz transmission through subwavelength metal hole arrays. Optics Express, 2008, 16, 7641.	3.4	119
8	Optically thin terahertz metamaterials. Optics Express, 2008, 16, 6537.	3.4	101
9	Metamaterials for THz polarimetric devices. Optics Express, 2009, 17, 773.	3.4	93
10	Effect of metal permittivity on resonant properties of terahertz metamaterials. Optics Letters, 2008, 33, 1506.	3.3	91
11	Terahertz surface plasmon polariton coupling on metallic gratings. Optics Express, 2004, 12, 6397.	3.4	69
12	Prism coupling to terahertz surface plasmon polaritons. Optics Express, 2005, 13, 6117.	3.4	61
13	Tailored resonator coupling for modifying the terahertz metamaterial response. Optics Express, 2011, 19, 10679.	3.4	61
14	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. Optics Express, 2014, 22, 972.	3.4	55
15	A broadband planar terahertz metamaterial with nested structure. Optics Express, 2011, 19, 15817.	3.4	52
16	Effects of Microstructure Variations on Macroscopic Terahertz Metafilm Properties. Active and Passive Electronic Components, 2007, 2007, 1-10.	0.3	40
17	Orthogonally twisted planar concentric split ring resonators towards strong near field coupled terahertz metamaterials. Applied Physics Letters, 2014, 104, .	3.3	30
18	Properties of Planar Electric Metamaterials for Novel TeraHertz Applications. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 90-95.	0.5	30

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Tailoring terahertz plasmons with silver nanorod arrays. Scientific Reports, 2013, 3, .	3.3	23
22	Large dynamic resonance transition between surface plasmon and localized surface plasmon modes. Optics Express, 2010, 18, 12482.	3.4	19
23	All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	19
24	Compensating Atmospheric Channel Dispersion for Terahertz Wireless Communication. Scientific Reports, 2020, 10, 5816.	3.3	15
25	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
26	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
27	Terahertz metamaterials for active, tunable, and dynamic devices. , 2007, , .		2
28	Metamaterial radiation from attenuated total reflection at terahertz frequencies. , 2011, , .		2
29	Direct observation of electro-optic modulation in a single split-ring resonator. Applied Physics Letters, 2013, 102, .	3.3	2
30	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
31	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
32	Terahertz metamaterials. , 2009, , .		1
33	Metamaterial based devices for terahertz imaging. , 2010, , .		1
34	Tailored resonator coupling for modifying the fundamental resonance in laterally coupled terahertz metamaterials. , 2011, , .		1
35	Active metamaterials: A novel approach to manipulate terahertz waves. , 2007, , .		0
36	Metamaterials and their THz applications. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Opto-electronic control of terahertz metamaterials. , 2007, , .		0
38	Multilayer terahertz metamaterials: Interactions between layers within the deep-subwavelength limit. , 2010, , .		0
39	Lower bound of sample thickness in terahertz time-domain spectroscopy. , 2014, , .		0