

Brian B Tierney

List of Publications by Year in descending order

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papers

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16
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16
docs citations

16
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave and Millimeter Wave Power Beaming. IEEE Journal of Microwaves, 2021, 1, 229-259.	6.5	67
2	Arbitrary Beam Shaping Using 1-D Impedance Surfaces Supporting Leaky Waves. IEEE Transactions on Antennas and Propagation, 2015, 63, 2439-2448.	5.1	25
3	Synthesis of Tensor Impedance Surfaces to Control Phase and Power Flow of Guided Waves. IEEE Transactions on Antennas and Propagation, 2015, 63, 3956-3962.	5.1	19
4	Design of Self-Matched Planar Loop Resonators for Wireless Nonradiative Power Transfer. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 909-919.	4.6	18
5	Planar Shielded-Loop Resonators. IEEE Transactions on Antennas and Propagation, 2014, 62, 3310-3320.	5.1	17
6	Controlling Leaky Waves With 1-D Cascaded Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 2143-2146.	5.1	17
7	Terrestrial Microwave Power Beaming. IEEE Journal of Microwaves, 2022, 2, 28-43.	6.5	14
8	Designing Anisotropic, Inhomogeneous Metamaterial Devices Through Optimization. IEEE Transactions on Antennas and Propagation, 2019, 67, 998-1009.	5.1	9
9	Scalable, High-Sensitivity X-Band Rectenna Array for the Demonstration of Space-to-Earth Power Beaming. IEEE Access, 2021, 9, 27897-27907.	4.2	9
10	A Planar, Broadband, Metamaterial-Based, Transmission-Line Beamformer. IEEE Transactions on Antennas and Propagation, 2018, 66, 4844-4853.	5.1	6
11	Planar shielded-loop resonators for wireless non-radiative power transfer. , 2013, , .		5
12	Optimization as an alternative to transformation optics. , 2016, , .		5
13	A compact, metamaterial beamformer designed through optimization. , 2016, , .		5
14	Arbitrary leaky-wave antenna patterns with stacked metasurfaces. , 2015, , .		2
15	Radiation pattern synthesis using impedance surfaces supporting leaky waves. , 2014, , .		0
16	Tailoring leaky-wave radiation with impedance surfaces. , 2014, , .		0