

Carl Pfeiffer

List of Publications by Year in descending order

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31
papers

3,193
citations

623188

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752256

20
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31
all docs

31
docs citations

31
times ranked

2826
citing authors

#	ARTICLE	IF	CITATIONS
1	Metamaterial Huygens [™] Surfaces: Tailoring Wave Fronts with Reflectionless Sheets. Physical Review Letters, 2013, 110, 197401.	2.9	1,311
2	Millimeter-Wave Transmitarrays for Wavefront and Polarization Control. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4407-4417.	2.9	331
3	High Performance Bianisotropic Metasurfaces: Asymmetric Transmission of Light. Physical Review Letters, 2014, 113, 023902.	2.9	317
4	Efficient Light Bending with Isotropic Metamaterial Huygens [™] Surfaces. Nano Letters, 2014, 14, 2491-2497.	4.5	310
5	Cascaded metasurfaces for complete phase and polarization control. Applied Physics Letters, 2013, 102, .	1.5	280
6	A Printed, Broadband Luneburg Lens Antenna. IEEE Transactions on Antennas and Propagation, 2010, 58, 3055-3059.	3.1	205
7	Planar Lens Antennas of Subwavelength Thickness: Collimating Leaky-Waves With Metasurfaces. IEEE Transactions on Antennas and Propagation, 2015, 63, 3248-3253.	3.1	80
8	Fundamental Efficiency Limits for Small Metallic Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 1642-1650.	3.1	80
9	A Power Link Study of Wireless Non-Radiative Power Transfer Systems Using Resonant Shielded Loops. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2125-2136.	3.5	71
10	Breaking Malus [™] law: Highly efficient, broadband, and angular robust asymmetric light transmitting metasurface. Laser and Photonics Reviews, 2016, 10, 791-798.	4.4	38
11	Direct Transfer Patterning of Electrically Small Antennas onto Three ^ˆ Dimensionally Contoured Substrates. Advanced Materials, 2012, 24, 1166-1170.	11.1	32
12	Accelerating light with metasurfaces. Optica, 2018, 5, 678.	4.8	30
13	Synchrotron radiation from an accelerating light pulse. Science, 2018, 362, 439-442.	6.0	29
14	Design and Free-Space Measurements of Broadband, Low-Loss Negative-Permeability and Negative-Index Media. IEEE Transactions on Antennas and Propagation, 2011, 59, 2989-2997.	3.1	26
15	A Circuit Model for Electrically Small Antennas. IEEE Transactions on Antennas and Propagation, 2012, 60, 1671-1683.	3.1	11
16	3-D Printed Metallic Dual-Polarized Vivaldi Arrays on Square and Triangular Lattices. IEEE Transactions on Antennas and Propagation, 2021, 69, 8325-8334.	3.1	10
17	Enhanced resonant transmission of electromagnetic radiation through a pair of subwavelength slits. Applied Physics Letters, 2013, 103, 041104.	1.5	6
18	High Power AESAs for 20 ^ˆ 60 GHz with Linear and Circular Polarizations. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Novel methods to analyze and fabricate electrically small antennas. , 2011, , .		5
20	Virtual Impedance Method for Mutual Coupling Compensation. IEEE Transactions on Antennas and Propagation, 2021, 69, 4569-4579.	3.1	5
21	A 2D broadband, printed Luneburg lens antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	4
22	Metamaterial Huygens' surfaces. , 2013, , .		2
23	Three-dimensional metasurfaces. , 2016, , .		2
24	Realizing Huygens sources through spherical sheet impedances. , 2012, , .		1
25	Corrections to "Fundamental Efficiency Limits for Small Metallic Antennas" [Apr 17 1642-1650]. IEEE Transactions on Antennas and Propagation, 2017, 65, 4958-4958.	3.1	1
26	A printed spherical helix antenna. , 2010, , .		0
27	Patterning: Direct Transfer Patterning of Electrically Small Antennas onto Three-Dimensionally Contoured Substrates (Adv. Mater. 9/2012). Advanced Materials, 2012, 24, 1138-1138.	11.1	0
28	Metamaterial Huygens' surfaces from microwave to optical frequencies. , 2014, , .		0
29	Metasurfaces for phase and polarization control. , 2014, , .		0
30	Analysis and synthesis of bianisotropic metasurfaces. , 2014, , .		0
31	Low profile lens antennas: Collimating leaky-wave radiation with metasurfaces. , 2015, , .		0