

# Carl Pfeiffer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

2,355  
citations

14  
h-index

31  
g-index

31  
ext. papers

2,884  
ext. citations

8.5  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
25	Metamaterial Huygens' surfaces: tailoring wave fronts with reflectionless sheets. <i>Physical Review Letters</i> , <b>2013</b> , 110, 197401	7.4	922
24	High performance bianisotropic metasurfaces: asymmetric transmission of light. <i>Physical Review Letters</i> , <b>2014</b> , 113, 023902	7.4	259
23	Efficient light bending with isotropic metamaterial Huygens' surfaces. <i>Nano Letters</i> , <b>2014</b> , 14, 2491-7	11.5	257
22	Millimeter-Wave Transmitarrays for Wavefront and Polarization Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 4407-4417	4.1	231
21	Cascaded metasurfaces for complete phase and polarization control. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 231116	3.4	221
20	A Printed, Broadband Luneburg Lens Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 3055-3059	4.9	143
19	Planar Lens Antennas of Subwavelength Thickness: Collimating Leaky-Waves With Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3248-3253	4.9	62
18	A Power Link Study of Wireless Non-Radiative Power Transfer Systems Using Resonant Shielded Loops. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2012</b> , 59, 2125-2136	3.9	59
17	Fundamental Efficiency Limits for Small Metallic Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 1642-1650	4.9	48
16	Breaking Malus Law: Highly efficient, broadband, and angular robust asymmetric light transmitting metasurface. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 791-798	8.3	29
15	Direct transfer patterning of electrically small antennas onto three-dimensionally contoured substrates. <i>Advanced Materials</i> , <b>2012</b> , 24, 1166-70	24	28
14	Accelerating light with metasurfaces. <i>Optica</i> , <b>2018</b> , 5, 678	8.6	21
13	Design and Free-Space Measurements of Broadband, Low-Loss Negative-Permeability and Negative-Index Media. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2989-2997	4.9	21
12	Synchrotron radiation from an accelerating light pulse. <i>Science</i> , <b>2018</b> , 362, 439-442	33.3	20
11	Enhanced resonant transmission of electromagnetic radiation through a pair of subwavelength slits. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 041104	3.4	6
10	A Circuit Model for Electrically Small Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 1671-1683	4.9	6
9	Novel methods to analyze and fabricate electrically small antennas <b>2011</b> ,		5

8	3D Printed Metallic Dual-Polarized Vivaldi Arrays on Square and Triangular Lattices. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
7	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4569-4579	4.9	4
6	A 2D broadband, printed Luneburg lens antenna. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , <b>2009</b> ,		3
5	Metamaterial Huygens' surfaces <b>2013</b> ,		2
4	High Power AESAs for 2000 GHz with Linear and Circular Polarizations <b>2019</b> ,		2
3	Realizing Huygens sources through spherical sheet impedances <b>2012</b> ,		1
2	Corrections to Fundamental Efficiency Limits for Small Metallic Antennas [Apr 17 1642-1650]. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4958-4958	4.9	0
1	Patterning: Direct Transfer Patterning of Electrically Small Antennas onto Three-Dimensionally Contoured Substrates (Adv. Mater. 9/2012). <i>Advanced Materials</i> , <b>2012</b> , 24, 1138-1138	24	