

Aaron V Diebold

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

365
citations

1163117

8
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

322
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Metasurface Antennas for Computational Microwave Imaging. IEEE Transactions on Antennas and Propagation, 2020, 68, 1860-1875.	5.1	109
2	Phaseless computational ghost imaging at microwave frequencies using a dynamic metasurface aperture. Applied Optics, 2018, 57, 2142.	1.8	46
3	Phaseless coherent and incoherent microwave ghost imaging with dynamic metasurface apertures. Optica, 2018, 5, 1529.	9.3	37
4	Oxide-Free Actuation of Gallium Liquid Metal Alloys Enabled by Novel Acidified Siloxane Oils. Langmuir, 2016, 32, 12656-12663.	3.5	36
5	Generalized range migration algorithm for synthetic aperture radar image reconstruction of metasurface antenna measurements. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2610.	2.1	32
6	Single-frequency 3D synthetic aperture imaging with dynamic metasurface antennas. Applied Optics, 2018, 57, 4123.	1.8	30
7	Implementation and Characterization of a Two-Dimensional Printed Circuit Dynamic Metasurface Aperture for Computational Microwave Imaging. IEEE Transactions on Antennas and Propagation, 2021, 69, 2151-2164.	5.1	27
8	Passive microwave spectral imaging with dynamic metasurface apertures. Optica, 2020, 7, 527.	9.3	27
9	Computational Imaging With Dynamic Metasurfaces: A Recipe for Simple and Low-Cost Microwave Imaging. IEEE Antennas and Propagation Magazine, 2022, 64, 123-134.	1.4	8
10	Phaseless Radar Coincidence Imaging with a MIMO SAR Platform. Remote Sensing, 2019, 11, 533.	4.0	6
11	Spatial coherence in 2D holography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 727.	1.5	3
12	Near-field SAR imaging with dynamic metasurface antennas using an adapted range migration algorithm. , 2018, , .		2
13	Unified Reciprocal Space Processing for Short-Range Active and Passive Imaging Systems. IEEE Open Journal of Antennas and Propagation, 2022, 3, 124-134.	3.7	2
14	Aperture synthesis with a monochromatic metasurface imaging system for 3D near-field imaging. , 2018, , .		0
15	Application of the Van Cittert-Zernike Theorem to Imaging with Dynamic Metasurface Apertures. , 2019, , .		0