

Derek A Mcnamara

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

759233

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all docs

31
docs citations

31
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	The shape synthesis of 3D electrically small conducting surface antennas. Electronics Letters, 2021, 57, 311-313.	1.0	2
2	Towards the Shape Synthesis of Circularly-Polarized Dielectric Resonator Antennas. , 2021, , .		0
3	Some Numerical Experiments on Enhanced-Directivity Dielectric Resonator Antennas. , 2021, , .		0
4	The Shape Synthesis of Dielectric Resonator Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 5766-5777.	5.1	24
5	High-Order Unconditionally Stable Time-Domain Finite-Element Method. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1775-1779.	4.0	2
6	Evaluation of the Available Directivity of a Radiating Structure in Terms of Its Characteristic Mode Content. IEEE Transactions on Antennas and Propagation, 2019, 67, 6686-6691.	5.1	11
7	Customized Spherical Near-Field Test Time Reduction for Wireless Base Station Antennas. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 172-176.	4.0	1
8	Increasing Radiation Efficiency Using Antenna Shape Optimization Approach. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 393-396.	4.0	11
9	Shape Synthesis of 3-Layer Transmitarray Elements. , 2018, , .		2
10	The shape synthesis of unit elements for transmitarray antennas. , 2017, , .		3
11	Clarifications on the surface integral equation computation of the characteristic modes of dielectric objects. , 2017, , .		0
12	The usefulness of two-dimensional (2D) computational electromagnetic analysis. , 2017, , .		0
13	Characteristic Modes Evaluation for Metallic Small Antennas With Unidirectional Pattern. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3026-3029.	4.0	11
14	Orthogonality properties of substructure characteristic modes. Microwave and Optical Technology Letters, 2016, 58, 481-486.	1.4	19
15	A characteristic mode examination of miniature unidirectional antennas. , 2016, , .		3
16	Angle of Incidence Effects in Reflectarray Antenna Design: Making gain increases possible by including incidence angle effects. IEEE Antennas and Propagation Magazine, 2016, 58, 52-64.	1.4	18
17	Transmitarray Antenna Design Using Forward and Inverse Neural Network Modeling. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1483-1486.	4.0	45
18	On the classification of characteristic modes, and the extension of sub-structure modes to include penetrable material. , 2014, , .		15

#	ARTICLE	IF	CITATIONS
19	The use of inverse neural networks in transmitarray antenna design. , 2014, , .		2
20	Feed Image Lobes in Offset-Fed Reflectarrays: Diagnosis and Solution. IEEE Transactions on Antennas and Propagation, 2014, 62, 216-227.	5.1	17
21	Antenna Shape Synthesis Without Prior Specification of the Feedpoint Locations. IEEE Transactions on Antennas and Propagation, 2014, 62, 4919-4934.	5.1	58
22	Improved dual-feed single-beam power-combining reflectarray antenna. Electronics Letters, 2013, 49, 1595-1597.	1.0	6
23	Grating Lobe Control in Dual-Feed Single-Beam Reflectarrays and Power Combiners. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1268-1271.	4.0	3
24	Research and Development on Phase-Shifting Surfaces (PSSs). IEEE Antennas and Propagation Magazine, 2013, 55, 29-48.	1.4	84
25	Beam Squint Suppression in Offset-Fed Reflectarrays. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 587-590.	4.0	11
26	On Beam Squint in Offset-Fed Reflectarrays. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 937-940.	4.0	19
27	Sub-structure characteristic mode concept for antenna shape synthesis. Electronics Letters, 2012, 48, 471.	1.0	33
28	Printed Hybrid Lens Antenna. IEEE Transactions on Antennas and Propagation, 2012, 60, 2514-2518.	5.1	36
29	Derivation and Validation of the Basic Design Equations for Symmetric Sub-Reflectarrays. IEEE Transactions on Antennas and Propagation, 2012, 60, 2336-2346.	5.1	18
30	Multi-feed single-beam power-combining reflectarray antenna. Electronics Letters, 2004, 40, 1035.	1.0	19