

Jay K Lee

List of Publications by Year in descending order

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39
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#	ARTICLE	IF	CITATIONS
1	DYADIC GREEN'S FUNCTIONS FOR LAYERED ANISOTROPIC MEDIUM. Electromagnetics, 1983, 3, 111-130.	0.3	99
2	Active Microwave Remote Sensing of an Anisotropic Random Medium Layer. IEEE Transactions on Geoscience and Remote Sensing, 1985, GE-23, 910-923.	2.7	37
3	Passive Microwave Remote Sensing of an Anisotropic Random-Medium Layer. IEEE Transactions on Geoscience and Remote Sensing, 1985, GE-23, 924-932.	2.7	27
4	Far field radiation from an arbitrarily oriented Hertzian dipole in the presence of a layered anisotropic medium. IEEE Transactions on Antennas and Propagation, 2005, 53, 3963-3973.	3.1	27
5	Miniaturized Active Metamaterial Resonant Antenna With Improved Radiation Performance Based on Negative-Resistance-Enhanced CRLH Transmission Lines. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1162-1165.	2.4	26
6	The Complete Design of Microstrip Directional Couplers Using the Synthesis Technique. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2756-2761.	2.4	24
7	Aperiodic nanoplasmonic devices for directional colour filtering and sensing. Nature Communications, 2017, 8, 1347.	5.8	24
8	Electrically Tunable Microwave Absorber Based on Discrete Plasma-Shells. IEEE Transactions on Antennas and Propagation, 2019, 67, 6523-6531.	3.1	17
9	Microscopic origin of the chiroptical response of optical media. Science Advances, 2019, 5, eaav8262.	4.7	17
10	Fields and Wave Modes Analysis of Rectangular Waveguide Filled With Uniaxial Medium. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3429-3440.	2.9	12
11	Integrated Full-Hemisphere Space-to-Frequency Mapping Antenna With CRLH Stripline Feed Network. IEEE Transactions on Microwave Theory and Techniques, 2018, , 1-8.	2.9	12
12	Plasma-Enabled Adaptive Absorber for High-Power Microwave Applications. IEEE Transactions on Plasma Science, 2018, 46, 934-942.	0.6	10
13	The Unified-FFT Algorithm for Fast Electromagnetic Analysis of Planar Integrated Circuits Printed on Layered Media Inside a Rectangular Enclosure. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1112-1121.	2.9	9
14	Multiphysics Analysis of Plasma-Based Tunable Absorber for High-Power Microwave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 7624-7636.	3.1	6
15	Microstrip dipoles printed on biaxial substrates. , 2012, , .		5
16	Analysis of rectangular waveguide containing uniaxial medium with aligned optic axis. , 2014, , .		4
17	Compact Third-Order Bandpass Frequency Selective Surface with Wide Spurious-Suppression Bandwidth. , 2018, , .		4
18	Low-Profile Plasma-based Tunable Absorber. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Microstrip transmission lines on arbitrarily oriented biaxial media. , 2009, , .		3
20	Higher Order Plasma-Based Tunable Absorber Using Magneto-Dielectric Substrates. , 2019, , .		3
21	Rectangular waveguide containing uniaxial medium with tilted optic axis in sidewall plane. , 2015, , .		2
22	Chiroptical Response of Aluminum Nanocrescents at Ultraviolet Wavelengths. Nano Letters, 2020, 20, 3656-3662.	4.5	2
23	A New Method for Tuning Transistor-Based Non-Foster Negative Impedance Circuits for Low-Frequency Antennas. , 2020, , .		2
24	Dyadic green's functions for general two-layer anisotropic geometry with source embedded inside the anisotropic layer. , 2010, , .		1
25	Wideband information in MOM obtained from narrowband data. , 2012, , .		1
26	Analysis of a printed dipole antenna on a general anisotropic substrate with the method of moment employing eigenvector dyadic green's functions. , 2014, , .		1
27	Hybrid mode analysis of rectangular waveguide filled with uniaxial media with tilted optic axis lying in sidewall planes. , 2016, , .		1
28	Applications of biaxially anisotropic media in review. , 2016, , .		1
29	Derivation and application of dyadic Green's functions for planarly layered biaxial media. , 0, , .		0
30	Propagation and distortion of a gaussian pulse in a gyromagnetic medium. , 2007, , .		0
31	Arbitrarily oriented biaxial media branch point singularities pertinent to the solution of integral equations via method of moments. , 2008, , .		0
32	A two-dimensional single-field FDTD formulation for oblique incident electromagnetic simulations. , 2011, , .		0
33	Far field radiation from an arbitrarily oriented Hertzian dipole over layered gyroelectric medium. , 2011, , .		0
34	Symmetrical property of dyadic Green's functions for layered nonreciprocal medium. , 2013, , .		0
35	Radiation From an Arbitrarily Oriented Hertzian Dipole in the Presence of a Gyroelectric Slab. IEEE Transactions on Antennas and Propagation, 2014, 62, 1837-1843.	3.1	0
36	GPU performance estimation of various matrix solve operations for application to 3D planar MoM. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Miniaturized quasi-Yagi antenna based on metaedge reflector. , 2016, , .		0
38	Field distributions of the hybrid modes in rectangular waveguides filled with uniaxial media with tilted optic axis lying in sidewall planes. , 2017, , .		0
39	Helical Antennas. , 0, , .		0