

# Jay K Lee

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	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
2	Chiroptical Response of Aluminum Nanocrescents at Ultraviolet Wavelengths. Nano Letters, 2020, 20, 3656-3662.	4.5	2
3	A New Method for Tuning Transistor-Based Non-Foster Negative Impedance Circuits for Low-Frequency Antennas. , 2020, , .		2
4	Electrically Tunable Microwave Absorber Based on Discrete Plasma-Shells. IEEE Transactions on Antennas and Propagation, 2019, 67, 6523-6531.	3.1	17
5	Microscopic origin of the chiroptical response of optical media. Science Advances, 2019, 5, eaav8262.	4.7	17
6	Higher Order Plasma-Based Tunable Absorber Using Magneto-Dielectric Substrates. , 2019, , .		3
7	Plasma-Enabled Adaptive Absorber for High-Power Microwave Applications. IEEE Transactions on Plasma Science, 2018, 46, 934-942.	0.6	10
8	Compact Third-Order Bandpass Frequency Selective Surface with Wide Spurious-Suppression Bandwidth. , 2018, , .		4
9	Low-Profile Plasma-based Tunable Absorber. , 2018, , .		4
10	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
11	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
12	Aperiodic nanoplasmonic devices for directional colour filtering and sensing. Nature Communications, 2017, 8, 1347.	5.8	24
13	Field distributions of the hybrid modes in rectangular waveguides filled with uniaxial media with tilted optic axis lying in sidewall planes. , 2017, , .		0
14	Miniaturized quasi-Yagi antenna based on metaedge reflector. , 2016, , .		0
15	Hybrid mode analysis of rectangular waveguide filled with uniaxial media with tilted optic axis lying in sidewall planes. , 2016, , .		1
16	Applications of biaxially anisotropic media in review. , 2016, , .		1
17	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
18	GPU performance estimation of various matrix solve operations for application to 3D planar MoM. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Rectangular waveguide containing uniaxial medium with tilted optic axis in sidewall plane. , 2015, , .		2
20	Analysis of rectangular waveguide containing uniaxial medium with aligned optic axis. , 2014, , .		4
21	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
22	Analysis of a printed dipole antenna on a general anisotropic substrate with the method of moment employing eigenvector dyadic green's functions. , 2014, , .		1
23	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
24	Symmetrical property of dyadic Green's functions for layered nonreciprocal medium. , 2013, , .		0
25	Microstrip dipoles printed on biaxial substrates. , 2012, , .		5
26	Wideband information in MOM obtained from narrowband data. , 2012, , .		1
27	A two-dimensional single-field FDTD formulation for oblique incident electromagnetic simulations. , 2011, , .		0
28	Far field radiation from an arbitrarily oriented Hertzian dipole over layered gyroelectric medium. , 2011, , .		0
29	Dyadic green's functions for general two-layer anisotropic geometry with source embedded inside the anisotropic layer. , 2010, , .		1
30	Microstrip transmission lines on arbitrarily oriented biaxial media. , 2009, , .		3
31	The Complete Design of Microstrip Directional Couplers Using the Synthesis Technique. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2756-2761.	2.4	24
32	Arbitrarily oriented biaxial media branch point singularities pertinent to the solution of integral equations via method of moments. , 2008, , .		0
33	Propagation and distortion of a gaussian pulse in a gyromagnetic medium. , 2007, , .		0
34	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
35	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
36	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

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37	DYADIC GREEN'S FUNCTIONS FOR LAYERED ANISOTROPIC MEDIUM. Electromagnetics, 1983, 3, 111-130.	0.3	99
38	Derivation and application of dyadic Green's functions for planarly layered biaxial media. , 0, , .		0
39	Helical Antennas. , 0, , .		0