

# Arokiaswami Alphones

## List of Publications by Year in descending order

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55  
papers

1,137  
citations

393982

19  
h-index

395343

33  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quarter-Mode Substrate Integrated Waveguide and Its Application to Antennas Design. IEEE Transactions on Antennas and Propagation, 2013, 61, 2921-2928.	3.1	198
2	Leaky-Wave Radiation Behavior From a Double Periodic Composite Right/Left-Handed Substrate Integrated Waveguide. IEEE Transactions on Antennas and Propagation, 2012, 60, 1727-1735.	3.1	75
3	A Comprehensive Review of Metasurface Structures Suitable for RF Energy Harvesting. IEEE Access, 2020, 8, 76433-76452.	2.6	62
4	Triple-Band compact circularly polarised stacked microstrip antenna over reactive impedance meta-surface for GPS applications. IET Microwaves, Antennas and Propagation, 2014, 8, 1057-1065.	0.7	57
5	Robust 3D Indoor VLP System Based on ANN Using Hybrid RSS/PDOA. IEEE Access, 2019, 7, 47769-47780.	2.6	53
6	Compact Circularly Polarized Antenna Based on Quarter-Mode Substrate Integrated Waveguide Sub-Array. IEEE Transactions on Antennas and Propagation, 2014, 62, 963-967.	3.1	52
7	QoS-Driven Optimized Design-Based Integrated Visible Light Communication and Positioning for Indoor IoT Networks. IEEE Internet of Things Journal, 2020, 7, 269-283.	5.5	51
8	Optimization of a Wireless Power Transfer System With a Repeater Against Load Variations. IEEE Transactions on Industrial Electronics, 2017, 64, 7800-7809.	5.2	47
9	Unidirectional wideband circularly polarised aperture antennas backed with artificial magnetic conductor reflectors. IET Microwaves, Antennas and Propagation, 2013, 7, 338-346.	0.7	45
10	Figure of Merit for the Optimization of Wireless Power Transfer System Against Misalignment Tolerance. IEEE Transactions on Power Electronics, 2017, 32, 4359-4369.	5.4	44
11	Deep-Reinforcement-Learning-Based Energy-Efficient Resource Management for Social and Cognitive Internet of Things. IEEE Internet of Things Journal, 2020, 7, 5677-5689.	5.5	43
12	Joint Precoder and Equalizer Design for Multi-User Multi-Cell MIMO VLC Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 11354-11364.	3.9	38
13	Compact Dual-Band Metamaterial-Based High-Efficiency Rectenna: An Application for Ambient Electromagnetic Energy Harvesting. IEEE Antennas and Propagation Magazine, 2020, 62, 18-29.	1.2	36
14	Experimental Demonstration of 3D Visible Light Positioning Using Received Signal Strength With Low-Complexity Trilateration Assisted by Deep Learning Technique. IEEE Access, 2019, 7, 93986-93997.	2.6	35
15	User-Centric MIMO Techniques for Indoor Visible Light Communication Systems. IEEE Systems Journal, 2020, 14, 3202-3213.	2.9	29
16	Coordinated Resource Allocation-Based Integrated Visible Light Communication and Positioning Systems for Indoor IoT. IEEE Transactions on Wireless Communications, 2020, 19, 4671-4684.	6.1	28
17	Demonstration of a Quasi-Gapless Integrated Visible Light Communication and Positioning System. IEEE Photonics Technology Letters, 2018, 30, 2001-2004.	1.3	24
18	OFDM-Based Generalized Optical MIMO. Journal of Lightwave Technology, 2021, 39, 6063-6075.	2.7	24

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19	Double Periodic Composite Right/Left Handed Transmission Line and Its Applications to Compact Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2011, 59, 3679-3686.	3.1	23
20	mm-Wave Radar-Based Vital Signs Monitoring and Arrhythmia Detection Using Machine Learning. Sensors, 2022, 22, 3106.	2.1	20
21	Reinforcement Learning-Based Intelligent Resource Allocation for Integrated VLCP Systems. IEEE Wireless Communications Letters, 2019, 8, 1204-1207.	3.2	17
22	Triple Band Filter Based on Double Periodic CRLH Resonator. IEEE Microwave and Wireless Components Letters, 2018, 28, 212-214.	2.0	16
23	Channel Equalization Using Independent Component Analysis in PDM-CO-OFDM. IEEE Photonics Technology Letters, 2014, 26, 497-500.	1.3	13
24	Propagation characteristics of complimentary split ring resonator (CSRR) based EBG structure. Microwave and Optical Technology Letters, 2005, 47, 409-412.	0.9	11
25	Real-time indoor positioning system for a smart workshop using white LEDs and a phase-difference-of-arrival approach. Optical Engineering, 2019, 58, 1.	0.5	9
26	CRLH structure-based high-impedance surface for performance enhancement of planar antennas. IET Microwaves, Antennas and Propagation, 2017, 11, 818-826.	0.7	8
27	Enhancing the piezoelectric modulus of wurtzite AlN by ion beam strain engineering. Applied Physics Letters, 2021, 118, .	1.5	8
28	Compact interdigital microstrip band pass filter. Microwave and Optical Technology Letters, 2010, 52, 2128-2132.	0.9	7
29	Triple band SIW cavity backed slot antenna. , 2017, , .		7
30	Faster Deployment for Indoor Visible Light Positioning Using Xgboost Algorithms in Industrial Internet-of-Things. , 2021, , .		7
31	Fiber Nonlinearity Tolerance of APSK Modulated DFT-S OFDM Systems. IEEE Photonics Technology Letters, 2013, 25, 2304-2307.	1.3	6
32	Mid-IR supercontinuum generation in a single-mode ZBLAN fiber by erbium-doped fiber laser. Optical Engineering, 2018, 57, 1.	0.5	6
33	Eighth mode substrate integrated waveguide dual band resonator antennas. IET Microwaves, Antennas and Propagation, 2017, 11, 1262-1266.	0.7	5
34	Outage Bridging and Trajectory Recovery in Visible Light Positioning Using Insufficient RSS Information. IEEE Access, 2020, 8, 162302-162312.	2.6	5
35	Triple-band antenna using double periodic CRLH resonator on coplanar waveguide. IET Microwaves, Antennas and Propagation, 2021, 15, 33-40.	0.7	4
36	Space Efficient Meta-Grid Lines for Mutual Coupling Reduction in Two-Port Planar Monopole and DRA Array. IEEE Access, 2022, 10, 49829-49838.	2.6	4

#	ARTICLE	IF	CITATIONS
37	Wideband circularly polarized slot antenna over meta-surface. , 2012, , .		3
38	Time-Domain Adaptive Decision-Directed Channel Equalizer for RGI-DP-CO-OFDM. IEEE Photonics Technology Letters, 2014, 26, 285-288.	1.3	3
39	Double periodic CRLH transmission line for wideband performance. , 2016, , .		2
40	Resource Allocation for Multi-User Integrated Visible Light Communication and Positioning Systems. , 2019, , .		2
41	Dual Band SIW Cavity-Backed Crossed-Slot Antenna. , 2019, , .		2
42	Millimeter-wave System-in-Package (SiP) for Non-Destructive Testing of Metallic Structures under Multilayered Composites using Backward-to-Forward Beamscanning Leaky Wave Antenna. , 2019, , .		2
43	QoS-Driven Optimized Design in A New Integrated Visible Light Communication and Positioning System. , 2020, , .		2
44	Modeling of optical link for OCDMA-based cascaded optical networks. Microwave and Optical Technology Letters, 2004, 40, 122-124.	0.9	1
45	Dual bandpass filter using MIM based Composite Right/Left handed Transmission Line. , 2011, , .		1
46	Coplanar waveguide wideband bandpass filter and its application to ultra-wideband pulse generation. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 370-376.	0.8	1
47	Frequency Dependence of HEMT Under Optical Illumination. , 2001, , .		0
48	Tunable coupled microstrip line isolator by oblique magnetization. , 0, , .		0
49	Characteristics of microstrip line on YIG-GGG substrate under arbitrary orientation of magnetization. Microwave and Optical Technology Letters, 2002, 32, 29-35.	0.9	0
50	Optical transmission performance of a Radio-over-Fiber system for wireless LAN. , 2007, , .		0
51	Bandstop filter based on composite right/left handed transmission line at dual WLAN bands. , 2011, , .		0
52	W-band monopole antenna-in-system design approached on molding compound material. , 2012, , .		0
53	Pilot-Aided Channel Equalization in RGI-PDM-CO-OFDM Systems. IEEE Photonics Technology Letters, 2013, 25, 1924-1927.	1.3	0
54	Broadband supercontinuum generation in highly nonlinear fiber with carbon-nanotube-based passively mode-locked erbium-doped fiber laser. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
55	Design of Ultrathin Dual-Directional Partially-Transparent Polarization Independent Metamaterial Absorber. , 2019, , .		0