

Tamer M Abuelfadl

List of Publications by Year in descending order

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33
papers

364
citations

1307594

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h-index

1058476

14
g-index

33
all docs

33
docs citations

33
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Overmoded GW-class surface-wave microwave oscillator. IEEE Transactions on Plasma Science, 2000, 28, 550-560.	1.3	168
2	Linearized Field Theory of a Smithâ€Purcell Traveling Wave Tube. IEEE Transactions on Plasma Science, 2004, 32, 1015-1027.	1.3	52
3	Statistical design centering of RF cavity linear accelerator via non-derivative trust region optimization. , 2015, , .		20
4	Realization of high efficiency in a plasma-assisted microwave source with two-dimensional electron motion. Physics of Plasmas, 2002, 9, 4114-4117.	1.9	14
5	Efficiency of helix pasotron backward-wave oscillator. IEEE Transactions on Plasma Science, 2002, 30, 1126-1133.	1.3	14
6	Dual and Wide-Band Inductively-Loaded Dipole-Based Antennas for WLAN/UMTS Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 1430-1435.	5.1	13
7	COUPLED LINES FROM FILTER TO COMPOSITE RIGHT/LEFT HANDED-CELLS. Progress in Electromagnetics Research B, 2010, 26, 451-469.	1.0	9
8	RF cavity design exploiting a new derivative-free trust region optimization approach. Journal of Advanced Research, 2015, 6, 915-924.	9.5	7
9	Realization of composite right/left-handed transmission line using broadside coupled coplanar waveguides. , 2009, , .		6
10	AMC loaded folded dipole with heartâ€shaped radiation pattern. Electronics Letters, 2018, 54, 1061-1062.	1.0	6
11	Temporal study of a plasma loaded helix, backward wave oscillator. Physics of Plasmas, 2003, 10, 3746-3757.	1.9	5
12	Analysis of waveguide discontinuities using eigenmode expansion. , 2013, , .		5
13	Electromagnetic Scattering from Dielectric Objects Using the Eigenmode Projection Technique. IEEE Transactions on Antennas and Propagation, 2014, 62, 3222-3231.	5.1	5
14	Solution of periodically loaded waveguides using the eigenmode projection technique. , 2016, , .		5
15	Solution of cavity resonance and waveguide scattering problems using the eigenmode projection technique. Journal of Applied Physics, 2017, 121, .	2.5	5
16	Novel even/odd mode-based CRLH unit cells. , 2012, , .		4
17	Analysis of microwave cavities using an eigenmode projection approach. , 2012, , .		4
18	Solution of electromagnetic scattering problems using an eigenmode projection technique. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
19	Power performance enhancement of underlay spectrum sharing using microstrip patch ESPAR antenna. , 2016, , .		4
20	Microwave systems design centering exploiting space mapping technology and modified trust region algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2720.	1.9	4
21	Composite right/left-handed circular meta-waveguide. Applied Physics A: Materials Science and Processing, 2011, 103, 759-763.	2.3	3
22	Dual-band inductively-loaded miniaturized antenna. , 2012, , .		2
23	An optically transparent wideband High Impedance Surface. , 2016, , .		2
24	Electrostatic analysis of multiconductor transmission lines using an eigenmode projection technique. , 2016, , .		2
25	A Glimpse of Microwave Education and Research Activities in Egypt [Around the Globe]. IEEE Microwave Magazine, 2018, 19, 120-124.	0.8	1
26	University research on composite right/left handed guided wave structures in Egypt. , 2011, , .		0
27	Dual-band low-profile stripline-fed antenna. Microwave and Optical Technology Letters, 2013, 55, 286-290.	1.4	0
28	Particle wave interaction using cavity modal expansion with an application on simulation of virtual cathode oscillator. , 2014, , .		0
29	University research on antenna design and scattering problems in Egypt. , 2014, , .		0
30	University research on antenna design and scattering problems in Egypt. , 2014, , .		0
31	Transient analysis of circular waveguide probe excitation using Cavity Modal Expansion. , 2015, , .		0
32	Cherenkov radiation in dielectric-loaded waveguides and cavities. , 2015, , .		0
33	Modified Double Grating Plasmonic THz Detector. , 2019, , .		0