

Sameh Y Elnaggar

List of Publications by Year in descending order

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19
papers

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1163117

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all docs

19
docs citations

19
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled modes, frequencies and fields of a dielectric resonator and a cavity using coupled mode theory. <i>Journal of Magnetic Resonance</i> , 2014, 238, 1-7.	2.1	24
2	General expressions and physical origin of the coupling coefficient of arbitrary tuned coupled electromagnetic resonators. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	21
3	Energy Coupled Mode Theory for Electromagnetic Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 2115-2123.	4.6	21
4	Analysis of two stacked cylindrical dielectric resonators in a TE ₁₀₂ microwave cavity for magnetic resonance spectroscopy. <i>Journal of Magnetic Resonance</i> , 2011, 209, 174-182.	2.1	16
5	Modeling Space-Time Periodic Structures With Arbitrary Unit Cells Using Time Periodic Circuit Theory. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6636-6645.	5.1	16
6	General expressions for the coupling coefficient, quality and filling factors for a cavity with an insert using energy coupled mode theory. <i>Journal of Magnetic Resonance</i> , 2014, 242, 57-66.	2.1	14
7	Optimal dielectric and cavity configurations for improving the efficiency of electron paramagnetic resonance probes. <i>Journal of Magnetic Resonance</i> , 2014, 245, 50-57.	2.1	10
8	An electromagnetic induced transparency-like scheme for wireless power transfer using dielectric resonators. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	9
9	Coupled Mode Theory Applied to Resonators in the Presence of Conductors. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 2124-2132.	4.6	8
10	Description and stability analysis of nonlinear transmission line type metamaterials using nonlinear dynamics theory. <i>Journal of Applied Physics</i> , 2017, 121, 124902.	2.5	7
11	Controlling Nonreciprocity Using Enhanced Brillouin Scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 3500-3511.	5.1	7
12	Modes and Fields of Two Stacked Dielectric Resonators in a Cavity of an Electron Paramagnetic Resonance Probe. <i>Applied Magnetic Resonance</i> , 2017, 48, 1205-1217.	1.2	5
13	Wireless power transfer via dielectric loaded multi-moded split cavity resonator. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	4
14	Three-Wave Mixing as the Limit of Nonlinear Dynamics Theory for Nonlinear Transmission Line-Type Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 481-486.	5.1	3
15	Stability analysis of nonlinear left handed transmission lines using Floquet multipliers and bifurcation theory. , 2016, , .		2
16	Forced response of an arbitrary number of electromagnetic coupled resonators. , 2016, , .		1
17	An Electromagnetic Induced Transparency-like Scheme for Wireless Power Transfer in Contained Aqueous Solutions. , 2018, , .		1
18	Properties of translation operator and the solution of the eigenvalue and boundary value problems of arbitrary space-time periodic metamaterials. <i>Royal Society Open Science</i> , 2021, 8, 210367.	2.4	1

#	ARTICLE	IF	CITATIONS
19	Effect of Detuning on the Performance of DR-Loaded Split Cavity Resonator Based Wireless Power Transfer Scheme. , 2018, , .		0