Mehboob Alam

List of Publications by Year
in descending order

16 papers	205 citations	1478505 6 h-index	1281871 11 g-index
16 all docs	16 docs citations	16 times ranked	86 citing authors

#	Article	IF	Citations
1	Second-Order Arnoldi Reduction Using Weighted Gaussian Kernel. IEEE Access, 2022, 10, 41362-41370.	4.2	2
2	Statistically inspired multi-shift Arnoldi projection for on-chip interconnects. Mathematics and Computers in Simulation, 2021, 190, 418-428.	4.4	3
3	An Overview on Energy and Development of Energy Integration in Major South Asian Countries: The Building Sector. Energies, 2020, 13, 5776.	3.1	37
4	Passivity Preserving Model Order Reduction Using the Reduce Norm Method. Electronics (Switzerland), 2020, 9, 964.	3.1	5
5	Closed Form Resonance Solution in Metallic Nanoparticles With Cubic Nonlinearity. IEEE Nanotechnology Magazine, 2020, 19, 461-468.	2.0	6
6	Impedance Model of Cylindrical Nanowires for Metamaterial Applications. Nanomaterials, 2019, 9, 1104.	4.1	8
7	A Compact Impedance Model of Plasmonic Nanoshell for Metamaterial Applications. IEEE Nanotechnology Magazine, 2019, 18, 955-962.	2.0	7
8	Frequency Selective Light Scattering and Absorption for Maximum Energy Harvesting. , 2019, , .		2
9	A Time-Varying Approach to Circuit Modeling of Plasmonic Nanospheres Using Radial Vector Wave Functions. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2595-2611.	4.6	17
10	Multimode Impedance Representation of Scattering, Absorption and Extinction Cross-Sectional Areas for Plasmonic Nanoparticles. Journal of Lightwave Technology, 2011, 29, 2512-2526.	4.6	12
11	EFFICIENT MULTI-SHIFTED ARNOLDI PROJECTION USING WAVELET TRANSFORM. Journal of Circuits, Systems and Computers, 2007, 16, 699-709.	1.5	6
12	Frequency Selective Model Order Reduction via Spectral Zero Projection. , 2007, , .		7
13	Reduced-Order Wide-Band Interconnect Model Realization using Filter-Based Spline Interpolation. , 2007, , .		1
14	Model order reduction using spline-based dynamic multi-point rational interpolation for passive circuits. Analog Integrated Circuits and Signal Processing, 2007, 50, 273-277.	1.4	31
15	On the Selection of Spectral Zeros for Generating Passive Reduced Order Models. , 2006, , .		33
16	An RLC Ladder Model for the Equivalent Impedance of Single Metal Nanoparticles in Electromagnetic Field. , 2006, , .		28