

Morteza Jamshidi

List of Publications by Year in descending order

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61
papers

1,585
citations

393982

19
h-index

329751

37
g-index

61
all docs

61
docs citations

61
times ranked

1257
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence and COVID-19: Deep Learning Approaches for Diagnosis and Treatment. IEEE Access, 2020, 8, 109581-109595.	2.6	386
2	Resolving the Multiple Emission Centers in Carbon Dots: From Fluorophore Molecular States to Aromatic Domain States and Carbon-Core States. Journal of Physical Chemistry Letters, 2018, 9, 4189-4198.	2.1	142
3	Design and Modeling of a Compact Power Divider with Squared Resonators Using Artificial Intelligence. Wireless Personal Communications, 2021, 117, 2085-2096.	1.8	77
4	Design of Sharp Roll-Off Lowpass Filter With Ultra Wide Stopband. IEEE Microwave and Wireless Components Letters, 2013, 23, 303-305.	2.0	74
5	Size reduction and performance improvement of a microstrip Wilkinson power divider using a hybrid design technique. Scientific Reports, 2021, 11, 7773.	1.6	64
6	A novel neural-based approach for design of microstrip filters. AEU - International Journal of Electronics and Communications, 2019, 110, 152847.	1.7	57
7	A neuro-based approach to designing a Wilkinson power divider. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22091.	0.8	56
8	A Design of a Dual-Band Bandpass Filter Based on Modal Analysis for Modern Communication Systems. Electronics (Switzerland), 2020, 9, 1770.	1.8	54
9	A compact Gysel power divider design using U-shaped and T-shaped resonators with harmonics suppression. Electromagnetics, 2019, 39, 491-504.	0.3	53
10	A compact lowpass filter for satellite communication systems based on transfer function analysis. AEU - International Journal of Electronics and Communications, 2020, 124, 153318.	1.7	42
11	Analysis of Novel Approach to Design of Ultra-wide Stopband Microstrip Low-Pass Filter Using Modified U-Shaped Resonator. ETRI Journal, 2015, 37, 945-950.	1.2	35
12	A highly selective fluorescent chemosensor for Mg ²⁺ ion in aqueous solution using density function theory calculations. Journal of Molecular Structure, 2016, 1123, 111-115.	1.8	35
13	DFT and TD-DFT theoretical studies on photo-induced electron transfer process on [Cefamandole].C60 nano-complex. Journal of Molecular Graphics and Modelling, 2017, 75, 42-48.	1.3	27
14	In Situ Chromophore Doping: A New Mechanism for the Long-Wavelength Emission of Carbon Dots. Journal of Physical Chemistry C, 2020, 124, 10638-10646.	1.5	27
15	A Hybrid Technique Based on a Genetic Algorithm for Fuzzy Multiobjective Problems in 5G, Internet of Things, and Mobile Edge Computing. Mathematical Problems in Engineering, 2021, 2021, 1-14.	0.6	25
16	Deep Learning Techniques and COVID-19 Drug Discovery: Fundamentals, State-of-the-Art and Future Directions. Studies in Systems, Decision and Control, 2021, , 9-31.	0.8	24
17	Hybrid Machine Learning Techniques and Computational Mechanics: Estimating the Dynamic Behavior of Oxide Precipitation Hardened Steel. IEEE Access, 2021, 9, 156930-156946.	2.6	22
18	First principles studies of electronic and optical properties of helium adsorption on Sc-doped BN monolayer. Journal of the Iranian Chemical Society, 2015, 12, 1983-1990.	1.2	21

#	ARTICLE	IF	CITATIONS
19	A novel miniaturized Gysel power divider using lowpass filter with harmonic suppression. AEU - International Journal of Electronics and Communications, 2015, 69, 856-860.	1.7	20
20	Recognition of switching on or off fluorescence emission spectrum on the Schiff-bases as a Mg ²⁺ chemosensor: A first principle DFT and TD-DFT study. Journal of Molecular Structure, 2017, 1147, 815-820.	1.8	20
21	Effect of gold nanoparticles synthesized using the aqueous extract of <i>Satureja hortensis</i> leaf on enhancing the shelf life and removing <i>Escherichia coli</i> O157:H7 and <i>Listeria monocytogenes</i> in minced camel's meat: The role of nanotechnology in the food industry. Applied Organometallic Chemistry, 2020, 34, e5492.	1.7	20
22	Design of a Patch Power Divider With Simple Structure and Ultra-Broadband Harmonics Suppression. IEEE Access, 2021, 9, 165734-165744.	2.6	16
23	Novel donor-acceptor non-fullerene metal-organic solar cells: A first DFT and TD-DFT study. Physica B: Condensed Matter, 2018, 542, 37-43.	1.3	15
24	A Conceptual Deep Learning Framework for COVID-19 Drug Discovery. , 2021, , .		15
25	A Novel Multiobjective Approach for Detecting Money Laundering with a Neuro-Fuzzy Technique. , 2019, , .		14
26	Adsorption, intercalation and sensing of helium on yttrium functionalized open edge boron nitride: A first principle DFT and TDDFT study. Chemical Physics Letters, 2018, 691, 231-237.	1.2	13
27	Relations between Structural and Luminescence Properties of Novel Lanthanide Nitrate Complexes with Bis-phosphoramidate Ligands. Inorganic Chemistry, 2019, 58, 5630-5645.	1.9	13
28	A Review of the Potential of Artificial Intelligence Approaches to Forecasting COVID-19 Spreading. AI, 2022, 3, 493-511.	2.1	13
29	Neuro-fuzzy system identification for remaining useful life of electrolytic capacitors. , 2017, , .		12
30	Socialization of Industrial Robots: An Innovative Solution to improve Productivity. , 2018, , .		12
31	Artificial Neural Networks: A Powerful Tool for Cognitive Science. , 2018, , .		11
32	Hybrid Deep Learning Techniques for Predicting Complex Phenomena: A Review on COVID-19. AI, 2022, 3, 416-433.	2.1	11
33	Using artificial neural networks and system identification methods for electricity price modeling. , 2017, , .		10
34	A dynamic artificial neural network approach to estimate thermal behaviors of li-ion batteries. , 2017, , .		10
35	Photoinduced electron transfer process on emission spectrum of N,N'-bis(salicylidene)-1,2-phenylenediamine as a Mg ²⁺ cation chemosensor: A first principle DFT and TDDFT study. Journal of Molecular Structure, 2018, 1161, 339-344.	1.8	10
36	An ANFIS Approach to Modeling a Small Satellite Power Source of NASA. , 2019, , .		10

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37	An intelligent approach for nonlinear system identification of a Li-ion battery. , 2017, , .		9
38	High Performance Microstrip Low Pass Filter for Wireless Communications. Wireless Personal Communications, 2018, 99, 497-507.	1.8	8
39	Design of a compact microstrip coupler with harmonics suppression using resonator and meandered lines. , 2021, , .		8
40	Compact UWB BPF using slotted resonator with an independently controllable notched band. International Journal of Microwave and Wireless Technologies, 2016, 8, 25-31.	1.5	7
41	Compact, Harmonic Suppressed Gysel Power Divider with Plain Structure. Frequenz, 2017, 71, .	0.6	7
42	A computational intelligence method to estimate capacitance loss of electrolytic capacitors based on equivalent series resistance. , 2017, , .		7
43	UWB Bandpass Filter with Ultra-wide Stopband based on Ring Resonator. Frequenz, 2018, 72, 245-252.	0.6	7
44	Using a soft computing method for impedance modelling of Li-ion battery current. International Journal of Advanced Intelligence Paradigms, 2020, 16, 18.	0.2	7
45	Cloud-based Machine Learning Techniques Implemented by Microsoft Azure for Designing Power Amplifiers. , 2021, , .		7
46	Ultra-wide stopband low-pass filter using symmetrical cascaded modified hairpin resonators. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 314-321.	0.8	6
47	A Novel Filter-based Power Divider for Wireless Communication in Intelligent Transportation Systems. , 2020, , .		6
48	A novel compact Gysel power divider with harmonic suppression. , 2014, , .		5
49	Design of Microstrip Lowpass Filter with Sharp Roll-off using Elliptical and Radial Resonators. Frequenz, 2017, 71, .	0.6	5
50	Novel donor-acceptor non-fullerene metal-organic solar cells based on open edge Sc@BN: a DFT and TD-DFT study. Journal of the Iranian Chemical Society, 2021, 18, 2271-2282.	1.2	4
51	Neuro-Fuzzy Approaches to Estimating Thermal Overstress Behavior of IGBTs. , 2021, , .		4
52	Deep Learning Techniques for Model Reference Adaptive Control and Identification of Complex Systems. , 2020, , .		4
53	Trapezoid-Shaped Resonators to Design Compact Branch Line Coupler with Harmonic Suppression. AEU - International Journal of Electronics and Communications, 2021, 144, 154032.	1.7	4
54	Design of compact microstrip low-pass filter with analytical sharpness of transition band. International Journal of Microwave and Wireless Technologies, 2016, 8, 1017-1022.	1.5	3

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55	Structural distortions of fullerene C ₆₀ n (n=0 to 6) by first principle density functional theory. Journal of Molecular Structure, 2019, 1184, 546-556.	1.8	3
56	A compact simple microstrip lowpass filter based on elliptical analyzed resonator. Frequenz, 2022, 76, 247-254.	0.6	3
57	Photo-induced electron transfer of [C ₆₀ +Abacavir] nano-complex and feasibility of C ₆₀ fullerene application as a chemical shift reagent: a DFT/TD-DFT insights. Journal of the Iranian Chemical Society, 2022, 19, 937-956.	1.2	2
58	A Modified Branch Line Coupler with Ultra-Wide Harmonics Rejection Using Resonators and Open-Ended Stubs. , 2021, , .		2
59	Theoretical study on cubane molecule and its reduced states (C ₈ H ₈ n; n=0 and 1 to 4); a first principle DFT study. Journal of the Iranian Chemical Society, 2021, 18, 3303.	1.2	1
60	A Dual Band Microstrip Branch Line Coupler with Harmonics Suppression Using LPF and Open Ended Stubs. , 2021, , .		0
61	A DFT/TD-DFT study of [Amprenavir+C ₆₀] PET nanocomplex: feasibility of C ₆₀ fullerene application as a nanocarrier. Journal of the Iranian Chemical Society, 0, , .	1.2	0