

Farayi Musharavati

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7414804/farayi-musharavati-publications-by-year.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60 papers	562 citations	14 h-index	20 g-index
70 ext. papers	1,030 ext. citations	4.9 avg, IF	5.11 L-index

#	Paper	IF	Citations
60	Deep Learning for Reliable Classification of COVID-19, MERS, and SARS from Chest X-ray Images.. <i>Cognitive Computation</i> , 2022 , 1-21	4.4	5
59	Advanced exergy investigation of a combined cooling and power system with low-temperature geothermal heat as a prime mover for district cooling applications. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101868	4.7	2
58	Multi-objective optimization of a biomass gasification to generate electricity and desalinated water using Grey Wolf Optimizer and artificial neural network. <i>Chemosphere</i> , 2022 , 287, 131980	8.4	14
57	HipXNet: Deep Learning Approaches to Detect Aseptic Loos-ening of Hip Implants using X-Ray Images. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
56	Design, exergy analysis, and optimization of a hydrogen generation/storage energy system with solar heliostat fields and absorption-ejector refrigeration system. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	2
55	Proposal of a new low-temperature thermodynamic cycle: 3E analysis and optimization of a solar pond integrated with fuel cell and thermoelectric generator. <i>Journal of Cleaner Production</i> , 2021 , 331, 129908	10.3	4
54	Comparative exergy, multi-objective optimization, and extended environmental assessment of geothermal combined power and refrigeration systems. <i>Chemical Engineering Research and Design</i> , 2021 ,	5.5	2
53	Solar-based Kalina cycle integrated with PEM fuel cell boosted by thermoelectric generator: Development and thermodynamic analysis. <i>International Journal of Green Energy</i> , 2021 , 18, 866-878	3	3
52	Proposed a new geothermal based poly-generation energy system including Kalina cycle, reverse osmosis desalination, electrolyzer amplified with thermoelectric: 3E analysis and optimization. <i>Applied Thermal Engineering</i> , 2021 , 187, 116596	5.8	17
51	Instrumented Hip Implant: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 7179-7194	4	1
50	Review on Medical Implantable Antenna Technology and Imminent Research Challenges. <i>Sensors</i> , 2021 , 21,	3.8	7
49	Detection and Severity Classification of COVID-19 in CT Images Using Deep Learning. <i>Diagnostics</i> , 2021 , 11,	3.8	19
48	Exergoeconomic assessment and multiobjective optimization of a geothermal-based trigeneration system for electricity, cooling, and clean hydrogen production. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1673-1689	4.1	4
47	Waste heat recovery in an intercooled gas turbine system: Exergo-economic analysis, triple objective optimization, and optimum state selection. <i>Journal of Cleaner Production</i> , 2021 , 279, 123428	10.3	12
46	Thermodynamic modeling and comparative analysis of a compressed air energy storage system boosted with thermoelectric unit. <i>Journal of Energy Storage</i> , 2021 , 33, 101888	7.8	2
45	Enhancing the performance of an integrated CCHP system including ORC, Kalina, and refrigeration cycles through employing TEG: 3E analysis and multi-criteria optimization. <i>Geothermics</i> , 2021 , 89, 101973	4.3	15
44	Underwater friction stir welding of Al-Mg alloy: Thermo-mechanical modeling and validation. <i>Materials Today Communications</i> , 2021 , 26, 101965	2.5	13

43	Optimization of wire electrical discharge turning process: trade-off between production rate and fatigue life. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 112, 719-730	3.2	1
42	Solar still desalination system equipped with paraffin as phase change material: exergoeconomic analysis and multi-objective optimization. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 220-234	5.1	15
41	Comparative analysis and multi-criteria optimization of a supercritical recompression CO2 Brayton cycle integrated with thermoelectric modules. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 769-785	4.1	6
40	Tribo-mechanical properties evaluation of HA/TiO/CNT nanocomposite. <i>Scientific Reports</i> , 2021 , 11, 18674	4.9	8
39	A novel multi-generation energy system based on geothermal energy source: Thermo-economic evaluation and optimization. <i>Energy Conversion and Management</i> , 2021 , 230, 113829	10.6	16
38	Angle-insensitive co-polarized metamaterial absorber based on equivalent circuit analysis for dual band WiFi applications. <i>Scientific Reports</i> , 2021 , 11, 13791	4.9	7
37	Design and exergy based optimization of a clean energy system with fuel Cell/MED and hydrogen storage option. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	3
36	Multi-generation energy system based on geothermal source to produce power, cooling, heating, and fresh water: Exergoeconomic analysis and optimum selection by LINMAP method. <i>Applied Thermal Engineering</i> , 2021 , 195, 117127	5.8	9
35	Effects of appearance characteristics on the mechanical properties of defective SWCNTs: using finite element methods and molecular dynamics simulation. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	1
34	A new design of solar tower system amplified with a thermoelectric unit to produce distilled water and power. <i>Applied Thermal Engineering</i> , 2021 , 197, 117406	5.8	5
33	Forced vibration characteristics of embedded graphene oxide powder reinforced metal foam nanocomposite plate in thermal environment. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101167	5.6	3
32	Permeation of different cations through cathodically protected coated API X-120 steel at elevated temperature. <i>Materials Today: Proceedings</i> , 2021 , 46, 1600-1607	1.4	
31	Supercapacitor performance of porous nickel cobaltite nanosheets. <i>Scientific Reports</i> , 2020 , 10, 18956	4.9	10
30	Development, evaluation, and multi-objective optimization of a multi-effect desalination unit integrated with a gas turbine plant. <i>Applied Thermal Engineering</i> , 2020 , 176, 115414	5.8	20
29	Design and comparative exergy and exergo-economic analyses of a novel integrated Kalina cycle improved with fuel cell and thermoelectric module. <i>Energy Conversion and Management</i> , 2020 , 220, 113081	10.6	18
28	Proposal of a new parabolic solar collector assisted power-refrigeration system integrated with thermoelectric generator using 3E analyses: Energy, exergy, and exergo-economic. <i>Energy Conversion and Management</i> , 2020 , 220, 113055	10.6	13
27	Mechanical behavior of resin pin-reinforced composite sandwich panels under quasi-static indentation and three-point bending loading conditions. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 109963622090975	2.1	9
26	Supercapacitor Performance of Nickel-Cobalt Sulfide Nanotubes Decorated Using Ni Co-Layered Double Hydroxide Nanosheets Grown in Situ on Ni Foam. <i>Nanomaterials</i> , 2020 , 10,	5.4	13

25	Dry Sliding Tribological Properties of a Hard Anodized AA6082 Aluminum Alloy. <i>Metals</i> , 2020 , 10, 207	2.3	2
24	Synthesis and Characterization of a NiCoO@NiCoO Hierarchical Mesoporous Nanoflake Electrode for Supercapacitor Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
23	Experimental investigation of the three-point bending properties of sandwich beams with polyurethane foam-filled lattice cores. <i>Structures</i> , 2020 , 28, 424-432	3.4	26
22	Ocean thermal energy conversion (OTEC) system boosted with solar energy and TEG based on exergy and exergo-environment analysis and multi-objective optimization. <i>Solar Energy</i> , 2020 , 208, 559-572	6.8	14
21	Improving the power generation efficiency with the use of LNG as cold source by thermoelectric generators for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 26905-26919	6.7	3
20	Elastic Wave Characteristics of Graphene Reinforced Polymer Nanocomposite Curved Beams Including Thickness Stretching Effect. <i>Polymers</i> , 2020 , 12,	4.5	4
19	Finite Element Analysis of the Mechanism of Traumatic Aortic Rupture (TAR). <i>Computational and Mathematical Methods in Medicine</i> , 2020 , 2020, 6718495	2.8	1
18	Investigation of the Temperature-Related Wear Performance of Hard Nanostructured Coatings Deposited on a S600 High Speed Steel. <i>Metals</i> , 2019 , 9, 332	2.3	5
17	An Intelligent Hybrid Experimental-Based Deep Learning Algorithm for Tomato-Sorting Controllers. <i>IEEE Access</i> , 2019 , 7, 106890-106898	3.5	11
16	Properties Investigation of GO/HA/Pt Composite Thin Film. <i>BioMed Research International</i> , 2019 , 2019, 4847932	3	2
15	Severity of corrosion under insulation (CUI) to structures and strategies to detect it. <i>Corrosion Reviews</i> , 2019 , 37, 553-564	3.2	10
14	Investigation of the Electrochemical Properties of CoAl-Layered Double Hydroxide/Ni(OH) ₂ . <i>Journal of the Electrochemical Society</i> , 2018 , 165, A407-A415	3.9	26
13	Electrodeposited Ni Co layered double hydroxides on titanium carbide as a binder-free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2018 , 261, 178-187	6.7	92
12	Energy Audit in Infrastructures 2018 , 305-314		
11	Simulation-Based Energy Performance of Low-Rise Buildings 2018 , 85-108		
10	Tribo-Mechanical Properties and Corrosion Behavior Investigation of Anodized TiV Alloy. <i>Coatings</i> , 2018 , 8, 459	2.9	7
9	Synthesis and characterization of cobalt hydroxide carbonate nanostructures. <i>RSC Advances</i> , 2017 , 7, 46925-46931	3.7	18
8	Synthesis, characterization, and properties of nickel/cobalt layered double hydroxide nanostructures. <i>RSC Advances</i> , 2017 , 7, 38945-38950	3.7	30

7	Multiple parts process planning in serial-parallel flexible flow lines: part II Evolution method based on genetic algorithms with fixed- and variable-length chromosomes. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 77, 1105-1143	3.2	2
6	Multiple parts process planning in serial-parallel flexible flow lines: part I Process plan modeling framework. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 78, 115-137	3.2	5
5	Dynamic aggregated building electricity load modeling and simulation. <i>Simulation Modelling Practice and Theory</i> , 2014 , 42, 19-31	3.9	4
4	Operations optimization towards high performance cooling in commercial buildings 2013 ,		4
3	Evaluation of thermal comfort and cooling performance of residential buildings in arid climates 2013 ,		1
2	Mathematical modeling of melting point and viscosity of a new molten salt for concentrating solar plant. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0
1	Free vibration analysis and post-critical free vibrations of nanocomposite rotating beams reinforced with graphene platelet. <i>JVC/Journal of Vibration and Control</i> , 107754632110511	2	