Sh Gorjian

List of Publications by Year
in descending order

Version: 2024-02-01

57 papers	2,103 citations	293460 24 h-index	274796 44 g-index
59 all docs	59 docs citations	59 times ranked	1621 citing authors

#	Article	IF	Citations
1	Applications of smart grid technology in Nepal: status, challenges, and opportunities. Environmental Science and Pollution Research, 2023, 30, 25452-25476.	2.7	20
2	A novel approach of synchronization of the sustainable grid with an intelligent local hybrid renewable energy control. International Journal of Energy and Environmental Engineering, 2023, 14, 35-46.	1.3	7
3	Improvement of Thermal Performance of a Solar Box Type Cooker Using SiO2/TiO2 Nanolayer. Silicon, 2022, 14, 557-565.	1.8	25
4	Techno-economic assessment of a hybrid RO-MED desalination plant integrated with a solar CHP system. Energy Conversion and Management, 2022, 251, 114985.	4.4	39
5	Investigation of design configurations and effective parameters on productivity enhancement of vertical diffusion solar stills. International Journal of Environmental Science and Technology, 2022, 19, 6889-6924.	1.8	5
6	Development and performance evaluation of a photovoltaic-powered induction cooker (PV-IC): An approach for promoting clean production in rural areas. Cleaner Engineering and Technology, 2022, 6, 100373.	2.1	11
7	Progress and challenges of crop production and electricity generation in agrivoltaic systems using semi-transparent photovoltaic technology. Renewable and Sustainable Energy Reviews, 2022, 158, 112126.	8.2	64
8	Sustainable Design of a Near-Zero-Emissions Building Assisted by a Smart Hybrid Renewable Microgrid. International Journal of Renewable Energy Development, 2022, 11, 471-480.	1.2	10
9	Flexible Photovoltaic System on Non-Conventional Surfaces: A Techno-Economic Analysis. Sustainability, 2022, 14, 3566.	1.6	12
10	Sustainable Food and Agriculture: Employment of Renewable Energy Technologies. Current Robotics Reports, 2022, 3, 153-163.	5.1	23
11	Applications of renewable energy sources in agriculture from a complementarity perspective. , 2022, , 615-647.		0
12	Solar desalination technology to supply water for agricultural applications. , 2022, , 271-311.		4
13	Emerging applications of solar energy in agriculture and aquaculture systems. , 2022, , 425-469.		1
14	Solar energy for sustainable food and agriculture: developments, barriers, and policies. , 2022, , 1-28.		6
15	Recent technical advancements, economics and environmental impacts of floating photovoltaic solar energy conversion systems. Journal of Cleaner Production, 2021, 278, 124285.	4.6	173
16	Investigation into the effects of SiO₂/TiO₂ nanolayer on the thermal performance of solar box type cooker. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 2724-2737.	1.2	54
17	Recent advances in net-zero energy greenhouses and adapted thermal energy storage systems. Sustainable Energy Technologies and Assessments, 2021, 43, 100940.	1.7	37
18	Renewable energy utilization in apple production process: A thermodynamic approach. Sustainable Energy Technologies and Assessments, 2021, 43, 100956.	1.7	7

#	ARTICLE	IF	CITATIONS
19	A review on opportunities for implementation of solar energy technologies in agricultural greenhouses. Journal of Cleaner Production, 2021, 285, 124807.	4.6	122
20	Performance, combustion and emission characteristics of a DI-CI diesel engine fueled with corn oil methyl ester biodiesel blends. Sustainable Energy Technologies and Assessments, 2021, 43, 100981.	1.7	34
21	The advent of modern solar-powered electric agricultural machinery: A solution for sustainable farm operations. Journal of Cleaner Production, 2021, 292, 126030.	4.6	79
22	Performance enhancement of stepped basin solar still based on OSELM with traversal tree for higher energy adaptive control. Desalination, 2021, 502, 114926.	4.0	45
23	Performance evaluation and economics of a locally-made stand-alone hybrid photovoltaic-thermal brackish water reverse osmosis unit. Cleaner Engineering and Technology, 2021, 2, 100078.	2.1	5
24	Recent Advancements in Technical Design and Thermal Performance Enhancement of Solar Greenhouse Dryers. Sustainability, 2021, 13, 7025.	1.6	23
25	Heat transfer and energy storage performances of phase change materials encapsulated in honeycomb cells. Journal of Energy Storage, 2021, 38, 102507.	3.9	19
26	Methane production enhancement of a family-scale biogas digester using cattle manure and corn stover under cold climates. Sustainable Energy Technologies and Assessments, 2021, 45, 101163.	1.7	11
27	Wheat-straw derived bioethanol production: A review of Life Cycle Assessments. Science of the Total Environment, 2021, 781, 146751.	3.9	42
28	Performance enhancement of a hybrid photovoltaic-thermal-thermoelectric (PVT-TE) module using nanofluid-based cooling: Indoor experimental tests and multi-objective optimization. Sustainable Energy Technologies and Assessments, 2021, 46, 101276.	1.7	16
29	Thermodynamic design and parametric performance assessment of a novel cogeneration solar organic Rankine cycle system with stable output. Energy Conversion and Management, 2021, 243, 114333.	4.4	22
30	Assessing suitability of commercial fibre reinforced plastic solar still for sustainable potable water production in rural India through detailed energy-exergy-economic analyses and environmental impacts. Journal of Environmental Management, 2021, 295, 113034.	3.8	17
31	An experimental and statistical investigation of concave-type stepped solar still with diverse climatic parameters. Cleaner Engineering and Technology, 2021, 4, 100137.	2.1	8
32	Thermal investigation of a solar box-type cooker with nanocomposite phase change materials using flexible thermography. Renewable Energy, 2021, 178, 260-282.	4.3	39
33	Integration of a Solar Parabolic Dish Collector with a Small-Scale Multi-Stage Flash Desalination Unit: Experimental Evaluation, Exergy and Economic Analyses. Sustainability, 2021, 13, 11295.	1.6	6
34	Research and review study of solar dish concentrators with different nanofluids and different shapes of cavity receiver: Experimental tests. Renewable Energy, 2020, 145, 783-804.	4.3	60
35	A review on recent advancements in performance enhancement techniques for low-temperature solar collectors. Energy Conversion and Management, 2020, 222, 113246.	4.4	99
36	Solar photovoltaic thermal (PVT) module technologies. , 2020, , 79-116.		13

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37	On-farm applications of solar PV systems. , 2020, , 147-190.		21
38	Applications of solar PV systems in desalination technologies. , 2020, , 237-274.		16
39	Applications of solar PV systems in agricultural automation and robotics. , 2020, , 191-235.		18
40	Parametric investigation and year round performance of a novel passive multi-chamber vertical solar diffusion still: Energy, exergy and enviro-economic aspects. Solar Energy, 2020, 211, 831-846.	2.9	21
41	Experimental study on single slope single basin solar still using TiO2 nano layer for natural clean water invention. Journal of Energy Storage, 2020, 30, 101522.	3.9	87
42	Experimental performance evaluation of a modified solar still integrated with a cooling system and external flat-plate reflectors. Solar Energy, 2019, 187, 137-146.	2.9	62
43	Feasible Solar Applications for Brines Disposal in Desalination Plants. Green Energy and Technology, 2019, , 25-48.	0.4	5
44	Solar photovoltaic power generation in Iran: Development, policies, and barriers. Renewable and Sustainable Energy Reviews, 2019, 106, 110-123.	8.2	97
45	Performance Assessment of a Solar Dryer System Using Small Parabolic Dish and Alumina/Oil Nanofluid: Simulation and Experimental Study. Energies, 2019, 12, 4747.	1.6	19
46	Development and performance evaluation of an active solar distillation system integrated with a vacuum-type heat exchanger. Desalination, 2018, 435, 45-59.	4.0	36
47	Experimental and numerical study on dish concentrator with cubical and cylindrical cavity receivers using thermal oil. Energy, 2018, 154, 168-181.	4.5	58
48	Thermodynamic analysis of a solar dish receiver using different nanofluids. Energy, 2017, 133, 749-760.	4.5	101
49	Numerical and experimental investigation of wind effect on a hemispherical cavity receiver. Applied Thermal Engineering, 2017, 126, 179-193.	3.0	38
50	Solar desalination: A sustainable solution to water crisis in Iran. Renewable and Sustainable Energy Reviews, 2015, 48, 571-584.	8.2	164
51	Solar Thermal Power Plants: Progress and Prospects in Iran. Energy Procedia, 2015, 75, 533-539.	1.8	25
52	A Thermal Performance Evaluation of a Medium-Temperature Point-focus Solar Collector Using Local Weather Data and Artificial Neural Networks. International Journal of Green Energy, 2015, 12, 493-505.	2.1	12
53	Experimental performance evaluation of a stand-alone point-focus parabolic solar still. Desalination, 2014, 352, 1-17.	4.0	103
54	Estimation of mean monthly and hourly global solar radiation on surfaces tracking the sun: Case study: Tehran. , 2012, , .		9

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55	Inhibition of calcium oxalate monohydrate by poly(acrylic acid)s with different end groups. Journal of Applied Polymer Science, 2004, 91, 2035-2041.	1.3	35
56	The Synthesis of Some Lipophilic Tetradentate Ligands for Use in the Formation of Metal-Linked Polymers. Australian Journal of Chemistry, 1994, 47, 723.	0.5	8
57	Effect of Covid-19 on NO2 and particular matter (PM) concentrations and reaffirmation of the need to use biofuels in the world. Biofuels, 0, , 1-12.	1.4	0