

Seyed Ehsan Hosseini

List of Publications by Year in descending order

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78
papers

5,333
citations

159358

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123241

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79
all docs

79
docs citations

79
times ranked

5920
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition away from fossil fuels toward renewables: lessons from Russia-Ukraine crisis. , 2022, 1, 2-5.		83
2	The US hydrogen fuel industry today and future. , 2022, 1, 1-1.		5
3	Sustainable energy and digital currencies: challenges and future prospect. , 2022, 1, 26-32.		6
4	Non-Premixed Liquid Fuel Air Flame in a Miniature Combustor with Modified Flow Aerodynamics. Smart Science, 2022, 10, 294-300.	1.9	2
5	Retrieving nuclear power plants by producing hydrogen. , 2022, 1, 1-2.		1
6	Hydrogen has found its way to become the fuel of the future. , 2022, 1, 11-12.		33
7	Design and analysis of a hybrid concentrated photovoltaic thermal system integrated with an organic Rankine cycle for hydrogen production. Journal of Thermal Analysis and Calorimetry, 2021, 144, 763-778.	2.0	16
8	Editorial: Energy and Resource Valorization of Biomass and Waste Toward Sustainable Environment via Thermochemical and Biological Application. Frontiers in Energy Research, 2021, 8, .	1.2	0
9	Sustainable Development of the Automobile Industry in the United States, Europe, and Japan with Special Focus on the Vehiclesâ€™ Power Sources. Energies, 2021, 14, 78.	1.6	13
10	Characteristics of liquid fuel combustion in a novel miniature vortex combustor. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1569-1578.	2.0	3
11	Hydrogen as a battery for a rooftop household solar power generation unit. International Journal of Hydrogen Energy, 2020, 45, 25811-25826.	3.8	12
12	An overview of development and challenges in hydrogen powered vehicles. International Journal of Green Energy, 2020, 17, 13-37.	2.1	158
13	Hydrogen from solar energy, a clean energy carrier from a sustainable source of energy. International Journal of Energy Research, 2020, 44, 4110-4131.	2.2	272
14	Recovery of energy losses using an online data-driven optimization technique. Energy Conversion and Management, 2020, 225, 113339.	4.4	5
15	Integrating a gas turbine system and a flameless boiler to make steam for hydrogen production in a solid oxide steam electrolyzer. Applied Thermal Engineering, 2020, 180, 115890.	3.0	16
16	An outlook on the global development of renewable and sustainable energy at the time of COVID-19. Energy Research and Social Science, 2020, 68, 101633.	3.0	213
17	Dimensionless exergo-economic and emission parameters for biogas fueled gas turbine optimization. Journal of Cleaner Production, 2020, 262, 121153.	4.6	3
18	Performance evaluation of a solarized gas turbine system integrated to a high temperature electrolyzer for hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 21068-21086.	3.8	12

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19	Design and analysis of renewable hydrogen production from biogas by integrating a gas turbine system and a solid oxide steam electrolyzer. <i>Energy Conversion and Management</i> , 2020, 211, 112760.	4.4	28
20	Hydrogen and Fuel Cells in Transport Road, Rail, Air, and Sea. , 2020, , .		2
21	Management criteria for green building in Malaysia; relative important index. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2601-2615.	1.2	9
22	Human Body Micro-power plant. <i>Energy</i> , 2019, 183, 16-24.	4.5	6
23	Hydrogen Fuel Cell Vehicles; Current Status and Future Prospect. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2296.	1.3	367
24	Micro-power generation using micro-turbine (moving) and thermophotovoltaic (non-moving) systems. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2019, 233, 1085-1101.	0.8	18
25	Development of solar energy towards solar city Utopia. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2868-2881.	1.2	23
26	Computational Design and Optimization of Wind Farms using Analytical Derivatives. , 2019, , .		0
27	Editor in Chief's Note on the Green Hydrogen Fuel from Solar / Wind Power. <i>Journal of Management Science & Engineering Research</i> , 2019, 2, .	0.2	0
28	Effects of fuel composition on the economic performance of biogas-based power generation systems. <i>Applied Thermal Engineering</i> , 2018, 128, 1543-1554.	3.0	47
29	Experimental Investigation into the Effects of Thermal Recuperation on the Combustion Characteristics of a Non-Premixed Meso-Scale Vortex Combustor. <i>Energies</i> , 2018, 11, 3390.	1.6	13
30	Performance improvement and energy consumption reduction in refrigeration systems using phase change material (PCM). <i>Applied Thermal Engineering</i> , 2018, 142, 723-735.	3.0	92
31	Hybrid solar flameless combustion system: Modeling and thermodynamic analysis. <i>Energy Conversion and Management</i> , 2018, 166, 146-155.	4.4	11
32	Modelling and exergoeconomic-environmental analysis of combined cycle power generation system using flameless burner for steam generation. <i>Energy Conversion and Management</i> , 2017, 135, 362-372.	4.4	31
33	Genetic algorithm for optimization of energy systems: Solution uniqueness, accuracy, Pareto convergence and dimension reduction. <i>Energy</i> , 2017, 119, 167-177.	4.5	38
34	Thermal performance and economic evaluation of a newly developed phase change material for effective building encapsulation. <i>Energy Conversion and Management</i> , 2017, 150, 48-61.	4.4	40
35	An overview of phase change materials for construction architecture thermal management in hot and dry climate region. <i>Applied Thermal Engineering</i> , 2017, 112, 1240-1259.	3.0	93
36	Phase Change Materials-Assisted Heat Flux Reduction: Experiment and Numerical Analysis. <i>Energies</i> , 2016, 9, 30.	1.6	16

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37	Performance Evaluation of Palm Oil-Based Biodiesel Combustion in an Oil Burner. <i>Energies</i> , 2016, 9, 97.	1.6	45
38	On the optimization of energy systems: Results utilization in the design process. <i>Applied Energy</i> , 2016, 178, 587-599.	5.1	19
39	Thermodynamic assessment of integrated biogas-based micro-power generation system. <i>Energy Conversion and Management</i> , 2016, 128, 104-119.	4.4	53
40	Optimum lipid production using agro-industrial wastewater treated microalgae as biofuel substrate. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 2513-2523.	2.1	52
41	Hydrogen production from renewable and sustainable energy resources: Promising green energy carrier for clean development. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 850-866.	8.2	1,523
42	Impacts of inlet step on the performance of a micro-combustor. , 2015, , .		0
43	Experimental and numerical investigations of biogas vortex combustion. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2015, 229, 662-676.	0.8	5
44	A review on biomass-based hydrogen production for renewable energy supply. <i>International Journal of Energy Research</i> , 2015, 39, 1597-1615.	2.2	139
45	Clean Fuel, Clean Energy Conversion Technology: Experimental and Numerical Investigation of Palm Oil Mill Effluent Biogas Flameless Combustion. <i>BioResources</i> , 2015, 10, .	0.5	4
46	Combustion of Biogas Released from Palm Oil Mill Effluent and the Effects of Hydrogen Enrichment on the Characteristics of the Biogas Flame. <i>Journal of Combustion</i> , 2015, 2015, 1-12.	0.5	7
47	The Effects of Air Preheating and Fuel/Air Inlet Diameter on the Characteristics of Vortex Flame. <i>Journal of Energy</i> , 2015, 2015, 1-10.	1.4	3
48	Effects of Burner Configuration on the Characteristics of Biogas Flameless Combustion. <i>Combustion Science and Technology</i> , 2015, 187, 1240-1262.	1.2	19
49	An overview of renewable hydrogen production from thermochemical process of oil palm solid waste in Malaysia. <i>Energy Conversion and Management</i> , 2015, 94, 415-429.	4.4	92
50	Pollutant in palm oil production process. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 773-781.	0.9	70
51	Investigations of asymmetric non-premixed meso-scale vortex combustion. <i>Applied Thermal Engineering</i> , 2015, 81, 140-153.	3.0	16
52	Vortex combustion and heat transfer in meso-scale with thermal recuperation. <i>International Communications in Heat and Mass Transfer</i> , 2015, 66, 250-258.	2.9	8
53	Utilization of biogas released from palm oil mill effluent for power generation using self-preheated reactor. <i>Energy Conversion and Management</i> , 2015, 105, 957-966.	4.4	21
54	Impacts of inner/outer reactor heat recirculation on the characteristic of micro-scale combustion system. <i>Energy Conversion and Management</i> , 2015, 105, 45-53.	4.4	69

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55	Optimization and the effect of steam turbine outlet quality on the output power of a combined cycle power plant. <i>Energy Conversion and Management</i> , 2015, 89, 231-243.	4.4	72
56	Effects of Hydrogen Addition on the Entropy Generation of Biogas Conventional Combustion. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 66, .	0.3	1
57	Combustion Characteristics of Inedible Vegetable Oil Biodiesel Fuels. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq1 1 0.784314 rgBT /Over	0.3	0
58	Numerical investigation of biogas flameless combustion. <i>Energy Conversion and Management</i> , 2014, 81, 41-50.	4.4	83
59	The role of renewable and sustainable energy in the energy mix of Malaysia: a review. <i>International Journal of Energy Research</i> , 2014, 38, 1769-1792.	2.2	49
60	Enhancement of exergy efficiency in combustion systems using flameless mode. <i>Energy Conversion and Management</i> , 2014, 86, 1154-1163.	4.4	18
61	Investigation of bluff-body micro-flameless combustion. <i>Energy Conversion and Management</i> , 2014, 88, 120-128.	4.4	106
62	Utilization of palm solid residue as a source of renewable and sustainable energy in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 621-632.	8.2	98
63	Development of biogas combustion in combined heat and power generation. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 868-875.	8.2	161
64	Characteristics of biomass in flameless combustion: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 363-370.	8.2	63
65	Effects of bluff body shape on the flame stability in premixed micro-combustion of hydrogen-air mixture. <i>Applied Thermal Engineering</i> , 2014, 67, 266-272.	3.0	164
66	Emission and Combustion Characteristics of Hydrogen in Vortex Flame. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq0 0.0 rgBT /Overlock 10	0.3	5
67	A review on green energy potentials in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 533-545.	8.2	186
68	The scenario of greenhouse gases reduction in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 400-409.	8.2	112
69	Biogas utilization: Experimental investigation on biogas flameless combustion in lab-scale furnace. <i>Energy Conversion and Management</i> , 2013, 74, 426-432.	4.4	94
70	Feasibility study of biogas production and utilization as a source of renewable energy in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 454-462.	8.2	142
71	Evaluation of Palm Oil Combustion Characteristics by Using the Chemical Equilibrium with Application (CEA) Software. <i>Applied Mechanics and Materials</i> , 2013, 388, 268-272.	0.2	8
72	Effect of diluted and preheated oxidizer on the emission of methane flameless combustion. , 2012, , .		11

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73	Necessity of biodiesel utilization as a source of renewable energy in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5732-5740.	8.2	61
74	Effects of Firing Mode on the Performance of Flameless Combustion: A Review Paper. <i>Applied Mechanics and Materials</i> , 0, 388, 206-212.	0.2	1
75	The Role of Exhaust Gas Recirculation in Flameless Combustion. <i>Applied Mechanics and Materials</i> , 0, 388, 262-267.	0.2	5
76	Environmental Protection and Fuel Consumption Reduction by Flameless Combustion Technology: A Review. <i>Applied Mechanics and Materials</i> , 0, 388, 292-297.	0.2	8
77	Review of Numerical Studies on NO _x Emission in the Flameless Combustion. <i>Applied Mechanics and Materials</i> , 0, 388, 235-240.	0.2	8
78	Biogas Flameless Combustion: A Review. <i>Applied Mechanics and Materials</i> , 0, 388, 273-279.	0.2	45