

Ali Ghannadzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

335
citations

840776

11
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	General methodology for exergy balance in ProSimPlus® process simulator. <i>Energy</i> , 2012, 44, 38-59.	8.8	55
2	Cogeneration targeting for site utility systems. <i>Applied Thermal Engineering</i> , 2012, 43, 60-66.	6.0	44
3	Exergy analysis as a scoping tool for cleaner production of chemicals: a case study of an ethylene production process. <i>Journal of Cleaner Production</i> , 2016, 129, 508-520.	9.3	40
4	Diagnosis of an alternative ammonia process technology to reduce exergy losses. <i>Energy Conversion and Management</i> , 2016, 109, 63-70.	9.2	23
5	Exergy aided pinch analysis to enhance energy integration towards environmental sustainability in a chlorine-caustic soda production process. <i>Applied Thermal Engineering</i> , 2017, 125, 1518-1529.	6.0	20
6	Thermodynamic evaluation of distillation columns using exergy loss profiles: a case study on the crude oil atmospheric distillation column. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 381-387.	4.1	19
7	The effect of different parameters on mechanical properties of PA-6/clay nanocomposite through genetic algorithm and response surface methods. <i>International Nano Letters</i> , 2015, 5, 133-140.	5.0	19
8	Assessment of power generation from natural gas and biomass to enhance environmental sustainability of a polyol ether production process for rigid foam polyurethane synthesis. <i>Renewable Energy</i> , 2018, 115, 846-858.	8.9	17
9	Exergy-aided environmental sustainability assessment of an ethylene dichloride-vinyl chloride production process. <i>Chemical Engineering Research and Design</i> , 2018, 130, 109-128.	5.6	17
10	Environmental life cycle assessment for a cheese production plant towards sustainable energy transition: Natural gas to biomass vs. natural gas to geothermal. <i>Journal of Cleaner Production</i> , 2020, 275, 122999.	9.3	16
11	Combined pinch and exergy analysis of an ethylene oxide production process to boost energy efficiency toward environmental sustainability. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 2145-2160.	4.1	12
12	Environmental sustainability assessment of an ethylene oxide production process through Cumulative Exergy Demand and ReCiPe. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1765-1777.	4.1	12
13	MASS TRANSFER LIMITATION IN DIFFERENT ANODE ELECTRODE SURFACE AREAS ON THE PERFORMANCE OF DUAL CHAMBER MICROBIAL FUEL CELL. <i>American Journal of Biochemistry and Biotechnology</i> , 2012, 8, 320-325.	0.4	9
14	Evaluation of an alternative chlorine production process for energy saving toward sustainability. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1512-1520.	2.3	7
15	Exergetic environmental sustainability assessment supported by Monte Carlo simulations: A case study of a chlorine production process. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13179.	2.3	5
16	Environmental life cycle assessment of glycerine production: Energy transition from natural gas to biomass. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100775.	2.7	5
17	Toward an environmentally sustainable natural gas-based ethylene production process through exergy-aided pinch analysis. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2204.	1.5	4
18	Cleaner production of purified terephthalic and isophthalic acids through exergy analysis. <i>International Journal of Exergy</i> , 2020, 31, 303.	0.4	3

#	ARTICLE	IF	CITATIONS
19	General Methodology for Exergy Balance in a Process Simulator. Computer Aided Chemical Engineering, 2011, , 1758-1762.	0.5	2
20	Environmental life cycle assessment of an ammonia production process through cumulative exergy demand and ReCiPe: a focus on power generation from natural gas and biomass. International Journal of Exergy, 2020, 33, 411.	0.4	2
21	Material flow analysis of a post-consumer plastic packaging recycling system in The Netherlands: a focus on beverage carton. Clean Technologies and Environmental Policy, 0, , .	4.1	2
22	Exergy-aided environmental life cycle assessment of propylene oxide production. International Journal of Life Cycle Assessment, 2022, 27, 20-37.	4.7	1