

Elisa Magnanelli

List of Publications by Year in descending order

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17
papers

189
citations

1163117

8
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic modeling of municipal solid waste incineration. <i>Energy</i> , 2020, 209, 118426.	8.8	40
2	Machine learning based modelling for lower heating value prediction of municipal solid waste. <i>Fuel</i> , 2021, 283, 118906.	6.4	32
3	Scenarios for carbon capture integration in a waste-to-energy plant. <i>Energy</i> , 2021, 227, 120407.	8.8	19
4	Performance analysis of heat and energy recovery ventilators using exergy analysis and nonequilibrium thermodynamics. <i>Energy and Buildings</i> , 2018, 170, 195-205.	6.7	14
5	Entropy Production Minimization as Design Principle for Membrane Systems: Comparing Equipartition Results to Numerical Optima. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4856-4866.	3.7	13
6	Exergy-based performance indicators for industrial practice. <i>International Journal of Energy Research</i> , 2018, 42, 3989-4007.	4.5	13
7	Enhancing the understanding of heat and mass transport through a cellulose acetate membrane for CO ₂ separation. <i>Journal of Membrane Science</i> , 2016, 513, 129-139.	8.2	10
8	Extending the nonequilibrium square-gradient model with temperature-dependent influence parameters. <i>Physical Review E</i> , 2014, 90, 032402.	2.1	8
9	The Nasal Geometry of the Reindeer Gives Energy-Efficient Respiration. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2017, 42, .	4.2	8
10	Energy efficient design of membrane processes by use of entropy production minimization. <i>Computers and Chemical Engineering</i> , 2018, 117, 105-116.	3.8	8
11	Nature-inspired geometrical design of a chemical reactor. <i>Chemical Engineering Research and Design</i> , 2019, 152, 20-29.	5.6	8
12	Energy efficiency of respiration in mature and newborn reindeer. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 509-520.	1.5	6
13	Operational guidelines for emissions control using cross-correlation analysis of waste-to-energy process data. <i>Energy</i> , 2021, 220, 119733.	8.8	6
14	Efficiency in the process industry: Three thermodynamic tools for better resource use. <i>Trends in Food Science and Technology</i> , 2020, 104, 84-90.	15.1	4
15	Non-equilibrium thermodynamics as a tool to compute temperature at the catalyst surface. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15195-15205.	2.8	0
16	Characterizing the Dynamic Behaviour of a WtE Plant through Start-up Data. <i>Computer Aided Chemical Engineering</i> , 2020, 48, 1555-1560.	0.5	0
17	HaptiChem: Haptic and Visual Support in Interactions with the Microscopic World. <i>Lecture Notes in Computer Science</i> , 2014, , 72-82.	1.3	0