

Gianmaria Pio

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

493
citations

686830

13
h-index

713013

21
g-index

35
all docs

35
docs citations

35
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	On the flash fire of stratified cloud of liquefied natural gas. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 75, 104680.	1.7	7
2	Accidental release in the bunkering of LNG: Phenomenological aspects and safety zone. <i>Ocean Engineering</i> , 2022, 252, 111163.	1.9	9
3	Automatically generated model for light alkene combustion. <i>Combustion and Flame</i> , 2022, 241, 112080.	2.8	23
4	Experimental and numerical characterization of hydrogen jet fires. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 21883-21896.	3.8	10
5	Safety distances for the sour biogas in digestion plants. <i>Chemical Engineering Research and Design</i> , 2021, 147, 1-7.	2.7	12
6	Structure of premixed flames of propylene oxide: Molecular beam mass spectrometric study and numerical simulation. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2467-2475.	2.4	7
7	Large eddy simulation for the rapid phase transition of LNG. <i>Safety Science</i> , 2021, 133, 105001.	2.6	10
8	Detailed kinetic mechanism for the hydrogen production via the oxidative reforming of ethanol. <i>Chemical Engineering Science</i> , 2021, 237, 116591.	1.9	8
9	Laminar Burning Velocity and Ignition Delay Time of Oxygenated Biofuel. <i>Energies</i> , 2021, 14, 3562.	1.6	3
10	The explosion of non-nano iron dust suspension in the 20-l spherical bomb. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 71, 104447.	1.7	4
11	A detailed kinetic model for the thermal decomposition of hydroxylamine. <i>Journal of Hazardous Materials</i> , 2021, 416, 125641.	6.5	7
12	A comparison of dispersion models for the LNG dispersion at port of Koper, Slovenia. <i>Safety Science</i> , 2021, 144, 105467.	2.6	19
13	Accidental Combustion Phenomena at Cryogenic Conditions. <i>Safety</i> , 2021, 7, 67.	0.9	1
14	Reduced Combustion Mechanism for Fire with Light Alcohols. <i>Fire</i> , 2021, 4, 86.	1.2	3
15	Implementation of gas-phase kinetic model for the optimization of the ethylene oxide production. <i>Chemical Engineering Science</i> , 2020, 212, 115331.	1.9	15
16	Experimental and numerical evaluation of low-temperature combustion of bio-syngas. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1084-1095.	3.8	17
17	Safety parameters for oxygen-enriched flames. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104151.	1.7	8
18	The Effect of Hydrogen Addition on Low-Temperature Combustion of Light Hydrocarbons and Alcohols. <i>Energies</i> , 2020, 13, 3808.	1.6	4

#	ARTICLE	IF	CITATIONS
19	The effects of low-temperature phenomena on rapid phase transition of liquid hydrogen. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 32676-32685.	3.8	8
20	Gas-phase thermal explosions in catalytic direct oxidation of alkenes. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104097.	1.7	1
21	Realistic aviation fuel chemistry in computational fluid dynamics. <i>Fuel</i> , 2019, 254, 115676.	3.4	14
22	Numerical simulation of small-scale pool fires of LNG. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 61, 82-88.	1.7	21
23	Low temperature combustion of methane/alkenes mixtures. <i>Fuel</i> , 2019, 254, 115567.	3.4	10
24	The effect of ultra-low temperature on the flammability limits of a methane/air/diluent mixtures. <i>Journal of Hazardous Materials</i> , 2019, 362, 224-229.	6.5	42
25	Quantitative risk analysis for the Amerigo Vespucci (Florence, Italy) airport including domino effects. <i>Safety Science</i> , 2019, 113, 472-489.	2.6	17
26	A Numerical Study on the Effect of Temperature and Composition on the Flammability of Methane-Hydrogen Sulfide Mixtures. <i>Combustion Science and Technology</i> , 2019, 191, 1541-1557.	1.2	14
27	Pool fire of liquefied natural gas. , 2019, , 434-440.		0
28	Flammability parameters of liquified natural gas. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 56, 424-429.	1.7	23
29	Comparison and Validation of Detailed Kinetic Models for the Oxidation of Light Alkenes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7130-7135.	1.8	32
30	Laminar Burning Velocity of Methane, Hydrogen, and Their Mixtures at Extremely Low-Temperature Conditions. <i>Energy & Fuels</i> , 2018, 32, 8830-8836.	2.5	35
31	The effect of a hydrogen addition to the premixed flame structure of light alkanes. <i>Fuel</i> , 2018, 234, 1064-1070.	3.4	37
32	Evaluation of safety parameters of light alkenes by means of detailed kinetic models. <i>Chemical Engineering Research and Design</i> , 2018, 119, 131-137.	2.7	14
33	On the influence of steam on the CO ₂ chemisorption capacity of a hydrotalcite-based adsorbent for SEWGS applications. <i>Chemical Engineering Journal</i> , 2017, 314, 554-569.	6.6	56