

Jafar Zanganeh

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,486
citations

394421

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315739

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docs citations

41
times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	CFD Investigation of Flame and Pressure Wave Propagation through Variable Concentration Methane-Air Mixtures in a Tube Closed at One End. <i>Combustion Science and Technology</i> , 2021, 193, 1203-1230.	2.3	8
2	CFD Modeling of Flame Jump across Air Gap between Evas [®] and Capture Duct for Ventilation Air Methane Abatement. <i>Processes</i> , 2021, 9, 2278.	2.8	2
3	Effect of Tube Size on Flame and Pressure Wave Propagation in a Tube Closed at One End: A Numerical Study. <i>Combustion Science and Technology</i> , 2020, 192, 1731-1753.	2.3	12
4	Capture and Mitigation of Fugitive Methane: Examining the Characteristics of Methane Explosions in an Explosion Chamber Connected to a Venting Duct. <i>Energy & Fuels</i> , 2020, 34, 645-654.	5.1	9
5	Ventilation air methane: a simulation of an optimised process of abatement with power and cooling. <i>Mining Technology: Transactions of the Institute of Mining and Metallurgy</i> , 2020, 129, 9-21.	0.5	1
6	Effect of magnetic nanoparticles and silver-loaded magnetic nanoparticles on advanced wastewater treatment and disinfection. <i>Journal of Molecular Liquids</i> , 2020, 303, 112640.	4.9	50
7	Comparative Study of Data Mining Techniques for Predicting Explosions in Coal Mines. , 2020, , .		1
8	Application of flame arrester in mitigation of explosion and flame deflagration of ventilation air methane. <i>Fuel</i> , 2019, 257, 115985.	6.4	14
9	Simulation of power and cooling generation via heat recovery from a ventilation air methane abatement unit. <i>Fuel</i> , 2019, 249, 27-35.	6.4	2
10	Flame Propagation and Reflections of Pressure Waves through Fixed Beds of RTO Devices: A CFD Study. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 23389-23404.	3.7	10
11	Hydrodynamics similarities in cold flow model of chemical looping combustors: An experimental study. <i>Powder Technology</i> , 2019, 343, 542-550.	4.2	7
12	The composition, recycling and utilisation of Bayer red mud. <i>Resources, Conservation and Recycling</i> , 2019, 141, 483-498.	10.8	353
13	Confined explosion of methane-air mixtures under turbulence. <i>Fuel</i> , 2018, 220, 471-480.	6.4	44
14	Flame deflagration in side-on vented detonation tubes: A large scale study. <i>Journal of Hazardous Materials</i> , 2018, 345, 38-47.	12.4	38
15	Thermodynamic Assessment of Heat Recovery from a Fluidized-Bed Ventilation Air Methane Abatement Unit. <i>Energy & Fuels</i> , 2018, 32, 4579-4585.	5.1	5
16	Explosion severity of methane-coal dust hybrid mixtures in a ducted spherical vessel. <i>Powder Technology</i> , 2018, 323, 95-102.	4.2	69
17	The flame deflagration of hybrid methane coal dusts in a large-scale detonation tube (LSDT). <i>Fuel</i> , 2017, 194, 491-502.	6.4	53
18	Influences of the Initial Ignition Energy on Methane Explosion in a Flame Deflagration Tube. <i>Energy & Fuels</i> , 2017, 31, 6422-6434.	5.1	31

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19	Impact of suspended coal dusts on methane deflagration properties in a large-scale straight duct. <i>Journal of Hazardous Materials</i> , 2017, 338, 334-342.	12.4	37
20	The effects of coal dust concentrations and particle sizes on the minimum auto-ignition temperature of a coal dust cloud. <i>Fire and Materials</i> , 2017, 41, 908-915.	2.0	14
21	Deflagration of premixed methane-air in a large scale detonation tube. <i>Chemical Engineering Research and Design</i> , 2017, 109, 374-386.	5.6	51
22	Explosion characteristics of methane-air mixtures in a spherical vessel connected with a duct. <i>Chemical Engineering Research and Design</i> , 2017, 111, 85-93.	5.6	45
23	Experimental evaluation and analysis of methane fire and explosion mitigation using isolation valves integrated with a vent system. <i>Journal of Hazardous Materials</i> , 2017, 339, 301-309.	12.4	7
24	Experimental investigation of the minimum auto-ignition temperature (MAIT) of the coal dust layer in a hot and humid environment. <i>Fire Safety Journal</i> , 2016, 82, 12-22.	3.1	26
25	A 3D numerical study on the effects of obstacles on flame propagation in a cylindrical explosion vessel connected to a vented tube. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 44, 53-61.	3.3	9
26	Waste recycling by vermicomposting: Maturity and quality assessment via dehydrogenase enzyme activity, lignin, water soluble carbon, nitrogen, phosphorous and other indicators. <i>Journal of Environmental Management</i> , 2016, 182, 134-140.	7.8	62
27	A 3D numerical study of detonation wave propagation in various angled bending tubes. <i>Fire Safety Journal</i> , 2016, 86, 53-64.	3.1	8
28	Integration Options and Economic Analysis of an Integrated Chemical Looping Air Separation Process for Oxy-fuel Combustion. <i>Energy & Fuels</i> , 2016, 30, 1741-1755.	5.1	37
29	Effects of ignition energy on fire and explosion characteristics of dilute hybrid fuel in ventilation air methane. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 40, 207-216.	3.3	69
30	A review on understanding explosions from methane-air mixture. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 40, 507-523.	3.3	152
31	Methane-coal dust hybrid fuel explosion properties in a large scale cylindrical explosion chamber. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 40, 317-328.	3.3	72
32	Characterization of "Chailings" A Char Created from Coal Tailings. <i>Energy & Fuels</i> , 2014, 28, 7609-7615.	5.1	11
33	Investigation of flame propagation over an inclined fuel wetted porous bed. <i>Fire Safety Journal</i> , 2014, 67, 113-120.	3.1	10
34	Experimental and mathematical analysis of fuel penetration through unconsolidated porous media. <i>Fire and Materials</i> , 2013, 37, 160-170.	2.0	5
35	Integration options for novel chemical looping air separation (ICLAS) process for oxygen production in oxy-fuel coal fired power plants. <i>Fuel</i> , 2013, 107, 356-370.	6.4	75
36	Combustion and flame spread on fuel-soaked porous solids. <i>Progress in Energy and Combustion Science</i> , 2013, 39, 320-339.	31.2	21

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37	Effect of fuel soaked time and fuel ratio on the flame spread rate over a porous bed wetted with liquid fuel. <i>Fire Safety Journal</i> , 2013, 59, 151-159.	3.1	11
38	Theoretical study on thermochemical parameters and pKa values for fluorinated isomers of toluene. <i>Computational and Theoretical Chemistry</i> , 2013, 1011, 21-29.	2.5	6
39	Application of Concrete and Demolition Waste as CO ₂ Sorbent in Chemical Looping Gasification of Biomass. <i>Energy & Fuels</i> , 2012, 26, 2046-2057.	5.1	31
40	Flame spread over porous sand beds wetted with propanol. <i>Fire and Materials</i> , 2011, 35, 61-70.	2.0	12
41	Experimental Study of Temperature Distribution and Flame Spread Over an Inert Porous Bed Wetted with Liquid Fuel. <i>International Journal of Emerging Multidisciplinary Fluid Sciences</i> , 2010, 2, 1-14.	0.5	6