

Mohamed S Alshehhi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2027872/publications.pdf>

Version: 2024-02-01

40
papers

628
citations

758635

12
h-index

610482

24
g-index

40
all docs

40
docs citations

40
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	Field demonstration of a microwave black powder detection device in gas transmission pipelines. Journal of Natural Gas Science and Engineering, 2020, 73, 103058.	2.1	9
2	Atomization of impinging opposed water jets interacting with an air jet. Experimental Thermal and Fluid Science, 2018, 93, 11-22.	1.5	15
3	Spray characteristics of free air-on-water impinging jets. International Journal of Multiphase Flow, 2018, 100, 86-103.	1.6	9
4	Economic assessment of carbon capture by minichannel absorbers. AIChE Journal, 2018, 64, 620-631.	1.8	7
5	RANS Modelling of a Swirling Flow Interacting With a Conical Bluff Body. , 2018, , .		0
6	Experiments and Large Eddy Simulation of Swirling Flow in a Pipe. , 2018, , .		0
7	The interaction of confined swirling flow with a conical bluff body: Numerical simulation. Chemical Engineering Research and Design, 2018, 136, 207-218.	2.7	11
8	Combined effects of groups of vortices generated by a pulsating turbulent plane jet impinging on a semi-cylinder: Effects of the forcing frequency. International Journal of Thermal Sciences, 2018, 133, 273-283.	2.6	1
9	Droplet size and velocity characteristics of water-air impinging jet atomizer. International Journal of Multiphase Flow, 2017, 94, 31-43.	1.6	41
10	Flow and heat transfer of a Giesekus fluid in plane and 3D ducts. Heat Transfer - Asian Research, 2017, 46, 1380-1398.	2.8	1
11	LES study of the combined effects of groups of vortices generated by a pulsating turbulent plane jet impinging on a semi-cylinder. Applied Thermal Engineering, 2017, 114, 948-960.	3.0	13
12	Numerical simulation of FENE-P viscoelastic fluids flow and heat transfer in grooved channel with rectangular cavities. Korea Australia Rheology Journal, 2017, 29, 195-205.	0.7	3
13	CFD prediction of Black Powder particles' deposition in vertical and horizontal gas pipelines. Journal of Petroleum Science and Engineering, 2017, 149, 822-833.	2.1	11
14	Experimental Analysis for Wire-Cylinder Electrostatic Precipitator. , 2017, , .		0
15	Characterization of Black Powder Found in Sales Gas Pipelines. , 2017, , .		1
16	Experimental flow characterization of sand particles for pneumatic transport in horizontal circular pipes. Powder Technology, 2016, 292, 158-168.	2.1	13
17	Effects of fluid flow split on black powder distribution in pipe junctions. Advanced Powder Technology, 2016, 27, 42-52.	2.0	4
18	A One-D approach for modeling transport and deposition of Black Powder particles in gas network. Journal of Natural Gas Science and Engineering, 2016, 28, 241-253.	2.1	14

#	ARTICLE	IF	CITATIONS
19	Process intensification characteristics of a microreactor absorber for enhanced CO ₂ capture. Applied Energy, 2016, 162, 416-427.	5.1	43
20	Review of black powder in gas pipelines – An industrial perspective. Journal of Natural Gas Science and Engineering, 2015, 25, 66-76.	2.1	37
21	Characterization and preliminary root cause identification of black powder content in a gas transmission network – A case study. Journal of Natural Gas Science and Engineering, 2015, 27, 769-775.	2.1	17
22	Hydrodynamics and mass transfer performance of a microreactor for enhanced gas separation processes. Chemical Engineering Journal, 2015, 266, 258-270.	6.6	82
23	Prediction of Black Powder distribution in junctions using the Discrete Phase Model. Powder Technology, 2015, 286, 202-211.	2.1	22
24	Feasibility and Basic Design of Solar Integrated Absorption Refrigeration for an Industry. Energy Procedia, 2015, 75, 508-513.	1.8	17
25	Heat-Transfer Analysis of Visco-Elastic Giesekus Fluid in a Duct Between Parallel Plates and in a Straight Pipe of a Circular Cross-Section. , 2015, , .		0
26	Flow and heat transfer of FENE-P fluids in ducts of various shapes: Effect of Newtonian solvent contribution. Journal of Non-Newtonian Fluid Mechanics, 2014, 207, 7-20.	1.0	11
27	Fluid flow and mass transfer characteristics of enhanced CO ₂ capture in a minichannel reactor. Applied Energy, 2014, 119, 43-56.	5.1	78
28	Study of CO ₂ Absorption Into Aqueous Diethanolamine (DEA) Using Microchannel Reactors. , 2014, , .		2
29	Large Eddy Simulation of Forced and Unforced Plane Jets Impinging on a Convex Surface. , 2014, , .		0
30	Numerical Simulation of Solid-Phase Split at Junctions in Particle Laden Pipe Flow. , 2014, , .		1
31	Volume of fluid-based numerical modeling of condensation heat transfer and fluid flow characteristics in microchannels. International Journal of Heat and Mass Transfer, 2013, 65, 62-72.	2.5	137
32	Experimental Investigation of Enhanced Absorption of Carbon Dioxide in Diethanolamine in a Microreactor. , 2013, , .		5
33	Experimental Investigation of Advanced Microscale Reactors for Enhanced Carbon Capture and Natural Gas Sweetening Applications. , 2013, , .		3
34	Enhanced Carbon Capture in a Multiport Microscale Absorber. , 2013, , .		4
35	Numerical Analysis of Condensation of R134a in a Single Microchannel. , 2012, , .		2
36	Enhancement of CO ₂ Absorption in Aqueous Diethanolamine Amine Using Microchannel Contactors. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
37	Experimental Investigation of EHD Flow Regimes Map in an Electrostatic Air-Oil Droplets Separator. , 2011, , .		0
38	Experimental Investigation of the Electric Field and the Electrohydrodynamic (EHD) Flow in Electrostatic Separator. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2011, 47, 179.	0.7	0
39	Experimental Characterization of EHD Flow in an Electrostatic Air-Oil Droplets Separator Using Particle Image Velocimetry. , 2010, , .		0
40	Parametric Performance Analysis of an Electrostatic Wire-Cylinder Aerosol Separator in Laminar Flow Using a Numerical Modeling Approach. Separation Science and Technology, 2010, 45, 299-309.	1.3	11