

Younes Amini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6007902/publications.pdf>

Version: 2024-02-01

34
papers

1,854
citations

236925

25
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape effect of cavity flameholder on mixing zone of hydrogen jet at supersonic flow. International Journal of Hydrogen Energy, 2018, 43, 16364-16372.	7.1	140
2	Mixing augmentation of transverse hydrogen jet by injection of micro air jets in supersonic crossflow. Acta Astronautica, 2017, 137, 403-414.	3.2	135
3	Numerical study of shock wave interaction on transverse jets through multiport injector arrays in supersonic crossflow. Acta Astronautica, 2015, 115, 422-433.	3.2	119
4	The flow feature of transverse hydrogen jet in presence of micro air jets in supersonic flow. Advances in Space Research, 2017, 59, 1330-1340.	2.6	110
5	Injection of multi hydrogen jets within cavity flameholder at supersonic flow. International Journal of Hydrogen Energy, 2019, 44, 13923-13931.	7.1	110
6	Liquid-liquid extraction of calcium using ionic liquids in spiral microfluidics. Chemical Engineering Journal, 2019, 356, 492-505.	12.7	108
7	Heat transfer of swirling impinging jets ejected from Nozzles with twisted tapes utilizing CFD technique. Case Studies in Thermal Engineering, 2015, 6, 104-115.	5.7	102
8	The influence of coolant jet direction on heat reduction on the nose cone with Aerodome at supersonic flow. Acta Astronautica, 2018, 151, 487-493.	3.2	92
9	Shear rate dependent rheology effects on mass transport and surface reactions in biomicrofluidic devices. AIChE Journal, 2015, 61, 1912-1924.	3.6	72
10	Numerical modeling of surface reaction kinetics in electrokinetically actuated microfluidic devices. Analytica Chimica Acta, 2014, 838, 64-75.	5.4	70
11	CFD simulation of the structured packings: A review. Separation Science and Technology, 2019, 54, 2536-2554.	2.5	70
12	Ion-pair extraction-reaction of calcium using Y-shaped microfluidic junctions: An optimized separation approach. Chemical Engineering Journal, 2018, 334, 2603-2615.	12.7	59
13	Preparation and characterization of novel modified PVDF-HFP/GO/ODS composite hollow fiber membrane for Caspian Sea water desalination. Desalination, 2017, 424, 62-73.	8.2	55
14	Pressure-driven liquid-liquid separation in Y-shaped microfluidic junctions. Chemical Engineering Journal, 2017, 328, 1075-1086.	12.7	55
15	Optimal control of batch cooling crystallizers by using genetic algorithm. Case Studies in Thermal Engineering, 2016, 8, 300-310.	5.7	54
16	Microfluidic solvent extraction of calcium: Modeling and optimization of the process variables. Separation and Purification Technology, 2020, 231, 115875.	7.9	52
17	Vacuum enhanced membrane distillation for trace contaminant removal of heavy metals from water by electrospun PVDF/TiO ₂ hybrid membranes. Korean Journal of Chemical Engineering, 2016, 33, 2160-2168.	2.7	51
18	Experimental and numerical study of air-gap membrane distillation (AGMD): Novel AGMD module for Oxygen-18 stable isotope enrichment. Chemical Engineering Journal, 2017, 322, 667-678.	12.7	51

#	ARTICLE	IF	CITATIONS
19	Application of Knudsen thermal force for detection of inert gases. Results in Physics, 2018, 9, 351-358.	4.1	48
20	Air gap membrane distillation for enrichment of H ₂ ¹⁸ O isotopomers in natural water using poly(vinylidene fluoride) nanofibrous membrane. Chemical Engineering and Processing: Process Intensification, 2016, 100, 26-36.	3.6	47
21	Experimental and Numerical Simulation of Dry Pressure Drop in High-Capacity Structured Packings. Chemical Engineering and Technology, 2016, 39, 1161-1170.	1.5	36
22	Experimental investigation of nanofibrous poly(vinylidene fluoride) membranes for desalination through air gap membrane distillation process. Korean Journal of Chemical Engineering, 2016, 33, 2953-2960.	2.7	36
23	Neural network modeling the effect of oxygenate additives on the performance of Pt-Sn/Al ₂ O ₃ catalyst in propane dehydrogenation. Applied Petrochemical Research, 2013, 3, 47-54.	1.3	34
24	Experimental and numerical study of multiphase flow in new wire gauze with high capacity structured packing. Chemical Engineering and Processing: Process Intensification, 2016, 108, 35-43.	3.6	33
25	Experimental and simulation investigation on separation of binary hydrocarbon mixture by thermogravitational column. Journal of Molecular Liquids, 2018, 268, 791-806.	4.9	26
26	Experimental and numerical study of mass transfer efficiency in new wire gauze with high capacity structured packing. Separation Science and Technology, 2019, 54, 2706-2717.	2.5	19
27	Characterization of New Wire Gauze High-Capacity Structured Packing with Varied Inclination Angle. Chemical Engineering and Technology, 2017, 40, 581-587.	1.5	17
28	Experimental characterization of new wire gauze with high capacity structured packing. Canadian Journal of Chemical Engineering, 2017, 95, 535-542.	1.7	14
29	Numerical study of n-heptane/benzene separation by thermal diffusion column. Chinese Journal of Chemical Engineering, 2019, 27, 1745-1755.	3.5	13
30	Improvement of synthesized graphene structure through various solvent liquids at low temperatures by chemical vapor deposition method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115458.	3.5	10
31	CFD simulation of flow distribution in the randomly packed bed Dixon ring. Separation Science and Technology, 2022, 57, 1900-1909.	2.5	7
32	Experimental study of nitrogen isotope separation by ion-exchange chromatography: effect of process factors. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 309-315.	1.5	5
33	Applying the computational fluid dynamics studies of the thermogravitational column for N ₂ -CO ₂ and He-Ar gas mixtures separation. Chemical Product and Process Modeling, 2023, 18, 33-50.	0.9	3
34	The strategy of precursors entering furnace for graphene synthesis through the CVD technique. , 0, , 1.		1