

# Younes Amini

## List of Publications by Year in descending order

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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	Applying the computational fluid dynamics studies of the thermogravitational column for $N_2$ - $CO_2$ and He-Ar gas mixtures separation. <i>Chemical Product and Process Modeling</i> , 2023, 18, 33-50.	0.9	3
2	Experimental study of nitrogen isotope separation by ion-exchange chromatography: effect of process factors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 309-315.	1.5	5
3	CFD simulation of flow distribution in the randomly packed bed Dixon ring. <i>Separation Science and Technology</i> , 2022, 57, 1900-1909.	2.5	7
4	Improvement of synthesized graphene structure through various solvent liquids at low temperatures by chemical vapor deposition method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 274, 115458.	3.5	10
5	Microfluidic solvent extraction of calcium: Modeling and optimization of the process variables. <i>Separation and Purification Technology</i> , 2020, 231, 115875.	7.9	52
6	Injection of multi hydrogen jets within cavity flameholder at supersonic flow. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13923-13931.	7.1	110
7	Liquid-liquid extraction of calcium using ionic liquids in spiral microfluidics. <i>Chemical Engineering Journal</i> , 2019, 356, 492-505.	12.7	108
8	Numerical study of n-heptane/benzene separation by thermal diffusion column. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1745-1755.	3.5	13
9	CFD simulation of the structured packings: A review. <i>Separation Science and Technology</i> , 2019, 54, 2536-2554.	2.5	70
10	Experimental and numerical study of mass transfer efficiency in new wire gauze with high capacity structured packing. <i>Separation Science and Technology</i> , 2019, 54, 2706-2717.	2.5	19
11	Application of Knudsen thermal force for detection of inert gases. <i>Results in Physics</i> , 2018, 9, 351-358.	4.1	48
12	Ion-pair extraction-reaction of calcium using Y-shaped microfluidic junctions: An optimized separation approach. <i>Chemical Engineering Journal</i> , 2018, 334, 2603-2615.	12.7	59
13	Experimental and simulation investigation on separation of binary hydrocarbon mixture by thermogravitational column. <i>Journal of Molecular Liquids</i> , 2018, 268, 791-806.	4.9	26
14	Shape effect of cavity flameholder on mixing zone of hydrogen jet at supersonic flow. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16364-16372.	7.1	140
15	The influence of coolant jet direction on heat reduction on the nose cone with Aerodome at supersonic flow. <i>Acta Astronautica</i> , 2018, 151, 487-493.	3.2	92
16	Mixing augmentation of transverse hydrogen jet by injection of micro air jets in supersonic crossflow. <i>Acta Astronautica</i> , 2017, 137, 403-414.	3.2	135
17	Experimental and numerical study of air-gap membrane distillation (AGMD): Novel AGMD module for Oxygen-18 stable isotope enrichment. <i>Chemical Engineering Journal</i> , 2017, 322, 667-678.	12.7	51
18	Characterization of New Wire Gauze High-Capacity Structured Packing with Varied Inclination Angle. <i>Chemical Engineering and Technology</i> , 2017, 40, 581-587.	1.5	17

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19	The flow feature of transverse hydrogen jet in presence of micro air jets in supersonic flow. <i>Advances in Space Research</i> , 2017, 59, 1330-1340.	2.6	110
20	Preparation and characterization of novel modified PVDF-HFP/GO/ODS composite hollow fiber membrane for Caspian Sea water desalination. <i>Desalination</i> , 2017, 424, 62-73.	8.2	55
21	Pressure-driven liquid-liquid separation in Y-shaped microfluidic junctions. <i>Chemical Engineering Journal</i> , 2017, 328, 1075-1086.	12.7	55
22	Experimental characterization of new wire gauze with high capacity structured packing. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 535-542.	1.7	14
23	Experimental and numerical study of multiphase flow in new wire gauze with high capacity structured packing. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 108, 35-43.	3.6	33
24	Experimental and Numerical Simulation of Dry Pressure Drop in High-Capacity Structured Packings. <i>Chemical Engineering and Technology</i> , 2016, 39, 1161-1170.	1.5	36
25	Optimal control of batch cooling crystallizers by using genetic algorithm. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 300-310.	5.7	54
26	Experimental investigation of nanofibrous poly(vinylidene fluoride) membranes for desalination through air gap membrane distillation process. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2953-2960.	2.7	36
27	Vacuum enhanced membrane distillation for trace contaminant removal of heavy metals from water by electrospun PVDF/TiO <sub>2</sub> hybrid membranes. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2160-2168.	2.7	51
28	Air gap membrane distillation for enrichment of H <sub>2</sub> <sup>18</sup> O isotopomers in natural water using poly(vinylidene fluoride) nanofibrous membrane. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 100, 26-36.	3.6	47
29	Shear-rate-dependent rheology effects on mass transport and surface reactions in biomicrofluidic devices. <i>AIChE Journal</i> , 2015, 61, 1912-1924.	3.6	72
30	Numerical study of shock wave interaction on transverse jets through multiport injector arrays in supersonic crossflow. <i>Acta Astronautica</i> , 2015, 115, 422-433.	3.2	119
31	Heat transfer of swirling impinging jets ejected from Nozzles with twisted tapes utilizing CFD technique. <i>Case Studies in Thermal Engineering</i> , 2015, 6, 104-115.	5.7	102
32	Numerical modeling of surface reaction kinetics in electrokinetically actuated microfluidic devices. <i>Analytica Chimica Acta</i> , 2014, 838, 64-75.	5.4	70
33	Neural network modeling the effect of oxygenate additives on the performance of Pt-Sn/Al <sub>2</sub> O <sub>3</sub> catalyst in propane dehydrogenation. <i>Applied Petrochemical Research</i> , 2013, 3, 47-54.	1.3	34
34	The strategy of precursors entering furnace for graphene synthesis through the CVD technique. , 0, , 1.		1