Hossein Abolghasemi

List of Publications by Year
in descending order

53	1,640	279798 23	302126 39
papers	citations	h-index	g-index

53	53	53	1751
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tetracycline adsorption by H3PO4-activated carbon produced from apricot nut shells: A batch study. Chemical Engineering Research and Design, 2016, 102, 700-709.	5.6	159
2	Aqueous phase adsorption of cephalexin by walnut shell-based activated carbon: A fixed-bed column study. Applied Surface Science, 2016, 375, 144-153.	6.1	142
3	Batch adsorption of cephalexin antibiotic from aqueous solution by walnut shell-based activated carbon. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 357-365.	5.3	119
4	Adsorption Characteristics of Congo Red from Aqueous Solution onto Tea Waste. Chemical Engineering Communications, 2015, 202, 181-193.	2.6	118
5	Experimental study on the adsorptive behavior of Congo red in cationic surfactant-modified tea waste. Chemical Engineering Research and Design, 2015, 95, 226-236.	5.6	86
6	Prediction of solute solubility in supercritical carbon dioxide: A novel semi-empirical model. Chemical Engineering Research and Design, 2010, 88, 893-898.	5.6	66
7	Improving the differential transform method: A novel technique to obtain the differential transforms of nonlinearities by the Adomian polynomials. Applied Mathematical Modelling, 2013, 37, 6008-6017.	4.2	65
8	Fractional factorial design for the optimization of hydrothermal synthesis of lanthanum oxide nanoparticles under supercritical water condition. Journal of Supercritical Fluids, 2010, 52, 292-297.	3.2	52
9	Analytical approximate solutions for a general nonlinear resistorâ€“nonlinear capacitor circuit model. Applied Mathematical Modelling, 2015, 39, 6021-6031.	4.2	47
10	An accurate explicit form of the Hankinsonâ€“Thomasâ€“Phillips correlation for prediction of the natural gas compressibility factor. Journal of Petroleum Science and Engineering, 2014, 117, 46-53.	4.2	44
11	Batch adsorptive removal of benzoic acid from aqueous solution onto modified natural vermiculite: Kinetic, isotherm and thermodynamic studies. Journal of Industrial and Engineering Chemistry, 2015, 31, 199-215.	5.8	44
12	Approximating the minimum reflux ratio of multicomponent distillation columns based on the Adomian decomposition method. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 880-886.	5.3	41
13	Intensification of Europium extraction through a supported liquid membrane using mixture of D2EHPA and Cyanex272 as carrier. Chemical Engineering and Processing: Process Intensification, 2015, 92, 18-24.	3.6	41
14	A new parametric algorithm for isothermal flash calculations by the Adomian decomposition of Michaelisâ€“Menten type nonlinearities. Fluid Phase Equilibria, 2015, 395, 44-50.	2.5	34
15	Series solution of nonlinear differential equations by a novel extension of the Laplace transform method. International Journal of Computer Mathematics, 2016, 93, 1299-1319.	1.8	33
16	The effects of a surfactant on mean drop size in a mixer-settler extractor. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1105-1111.	3.6	32
17	Axial mixing and mass transfer investigation in a pulsed packed liquidâ€“liquid extraction column using plug flow and axial dispersion models. Chemical Engineering Research and Design, 2012, 90, 193-200.	5.6	31
18	Comprehensive batch and continuous methyl orange removal studies using surfactant modified chitosan-clinoptilolite composite. Separation and Purification Technology, 2021, 267, 118601.	7.9	31

#	Article	IF	Citations
19	Fractional factorial design for the optimization of supercritical carbon dioxide extraction of La3+, Ce3+ and Sm3+ ions from a solid matrix using bis(2,4,4-trimethylpentyl)dithiophosphinic acid+tributylphosphate. Chemical Engineering Research and Design, 2011, 89, 827-835.	5.6	30
20	An improved algorithm for calculation of the natural gas compressibility factor via the Hallâ€Yarborough equation of state. Canadian Journal of Chemical Engineering, 2014, 92, 2211-2217.	1.7	28
21	Finding all real roots of a polynomial by matrix algebra and the Adomian decomposition method. Journal of the Egyptian Mathematical Society, 2014, 22, 524-528.	1.2	26
22	Continuous adsorption study of congo red using tea waste in a fixed-bed column. Desalination and Water Treatment, 2016, 57, 8437-8446.	1.0	26
23	Chaos control in the cerium-catalyzed Belousovâ€“Zhabotinsky reaction using recurrence quantification analysis measures. Chaos, Solitons and Fractals, 2015, 76, 121-129.	5.1	24
24	Theoretical and experimental studies of benzoic acid batch adsorption dynamics using vermiculite-based adsorbent. Chemical Engineering Research and Design, 2015, 93, 800-811.	5.6	24
25	A more realistic approach toward the differential equation governing the glass transition phenomenon. Intermetallics, 2013, 32, 35-38.	3.9	23
26	Feedback control strategies for a ceriumâ€catalyzed Belousovâ€“Zhabotinsky chemical reaction system. Canadian Journal of Chemical Engineering, 2015, 93, 1212-1221.	1.7	23
27	The effects of impeller speed and holdup on mean drop size in a mixer settler with spiralâ€type impeller. Canadian Journal of Chemical Engineering, 2010, 88, 329-334.	1.7	21
28	An Efficient Numerical Scheme to Solve a Quintic Equation of State for Supercritical Fluids. Chemical Engineering Communications, 2015, 202, 402-407.	2.6	21
29	Pertraction of dysprosium from nitrate medium by emulsion liquid membrane containing mixed surfactant system. Chemical Engineering and Processing: Process Intensification, 2017, 120, 184-194.	3.6	21
30	On computation of real eigenvalues of matrices via the Adomian decomposition. Journal of the Egyptian Mathematical Society, 2014, 22, 6-10.	1.2	20
31	Response Surface Optimization of Dysprosium Extraction Using an Emulsion Liquid Membrane Integrated with Multiâ€Walled Carbon Nanotubes. Chemical Engineering and Technology, 2018, 41, 1857-1870.	1.5	19
32	Dysprosium pertraction through facilitated supported liquid membrane using D2EHPA as carrier. Chemical Papers, 2015, 69, .	2.2	18
33	Synergistic extraction and separation of Dysprosium and Europium by supported liquid membrane. Korean Journal of Chemical Engineering, 2015, 32, 1642-1648.	2.7	18
34	Computation of analytical Laplace transforms by the differential transform method. Mathematical and Computer Modelling, 2012, 56, 145-151.	2.0	15
35	Effect of silica nanoparticles on the phase inversion of liquid-liquid dispersions. Korean Journal of Chemical Engineering, 2013, 30, 733-738.	2.7	12
36	The Differential Transform Method as a New Computational Tool for Laplace Transforms. The National Academy of Sciences, India, 2015, 38, 157-160.	1.3	12

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37	Spray and packed liquidâ€“liquid extraction columns: drop size and dispersed phase mass transfer. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 940-949.	1.5	9
38	Effective diffusivity in a structured packed column: Experimental and Sherwood number correlating study. Chemical Engineering Research and Design, 2014, 92, 43-53.	5.6	7
39	Production and characterization of166Ho polylactic acid microspheres. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 24-29.	1.0	7
40	Facilitated transport of Europium through supported liquid membrane using Cyanex272 as carrier and mass transfer modelling. Canadian Journal of Chemical Engineering, 2017, 95, 524-534.	1.7	7
41	The effect of sodium dodecyl sulfate on mean drop size in a horizontal mixerâ€“settler extractor. Canadian Journal of Chemical Engineering, 2010, 88, 101-108.	1.7	6
42	A novel and computationally efficient algorithm for stability analysis of multi input-multi output process control systems. Korean Journal of Chemical Engineering, 2015, 32, 1733-1743.	2.7	6
43	The comparison of the behaviors of polymer/clay nanocomposites based on high density polyethylene and polypropylene in exposure of electronâ€irradiation. Polymer Composites, 2010, 31, 128-135.	4.6	5
44	Theoretical and experimental study of cephalexin batch adsorption dynamics using walnut shell-based activated carbon. Desalination and Water Treatment, 2016, 57, 27339-27348.	1.0	5
45	Influence of Electron Beam Irradiation on PP/Clay Nanocomposites Prepared by Melt Blending. E-Polymers, 2007, 7, .	3.0	3
46	A new model for estimation of the thermal conductivity of polymer/clay nanocomposites. Journal of Applied Polymer Science, 2010, 118, 1042-1050.	2.6	3
47	Mean drops size in the presence of cetyl trimethyl ammonium bromide in horizontal mixer settler. Asia-Pacific Journal of Chemical Engineering, 2014, 9, 93-104.	1.5	3
48	Solvent extraction of rubidium from gold waste using conventional SX and new CFE methods. Rare Metals, 2015, 34, 818-828.	7.1	3
49	Thermal stability, mechanical and adsorption resistant properties of HDPE/PEG/Clay nanocomposites on exposure to electron beam. E-Polymers, 2008, 8, .	3.0	2
50	An Integration-Free Method for Inversion of Laplace Transforms: A Useful Tool for Process Control Analysis and Design. Chemical Engineering Communications, 0, , .	2.6	2
51	An Efficient Measure for Quantification of Nonlinearity in Chemical Engineering Processes Based on I/O Steady-State Loci. Chemical Engineering Communications, 2015, 202, 1557-1563.	2.6	2
52	A Practical Method for Computation of Laplace Inverses by Postâ€“Widderâ€™s Formula. The National Academy of Sciences, India, 2017, 40, 197-198.	1.3	2
53	Oxygen diffusion in a spherical cell subject to nonlinear Michaelisâ€“Menten kinetics: Mathematical analysis by two exact methods. International Journal of Biomathematics, 2017, 10, 1750025.	2.9	2