Eduardo Diez

List of Publications by Year
in descending order

36 papers	542 citations	623574 14 h-index	677027 22 g-index
37 all docs	37 docs citations	37 times ranked	600 citing authors

#	Article	IF	Citations
1	Economic feasibility of heat pumps in distillation to reduce energy use. Applied Thermal Engineering, 2009, 29, 1216-1223.	3.0	110
2	Solubility and Flory Huggins parameters of SBES, poly(styrene-b-butene/ethylene-b-styrene) triblock copolymer, determined by intrinsic viscosity. European Polymer Journal, 2007, 43, 1444-1449.	2.6	58
3	A new mesoporous activated carbon as potential adsorbent for effective indium removal from aqueous solutions. Microporous and Mesoporous Materials, 2020, 295, 109984.	2.2	28
4	SEBS triblock copolymerâ€“solvent interaction parameters from inverse gas chromatography measurements. European Polymer Journal, 2009, 45, 590-594.	2.6	25
5	Immobilization of Î²-glucosidase in fixed bed reactor and evaluation of the enzymatic activity. Bioprocess and Biosystems Engineering, 2012, 35, 1399-1405.	1.7	24
6	Polymerâ€“solvent interaction parameters of SBS rubbers by inverse gas chromatography measurements. Fluid Phase Equilibria, 2011, 308, 107-113.	1.4	23
7	Highly efficient lowâ€cost zeolite for cobalt removal from aqueous solutions: Characterization and performance. Environmental Progress and Sustainable Energy, 2019, 38, S352.	1.3	22
8	Synthesis of mesoporous X zeolite using an anionic surfactant as templating agent for thermo-catalytic deoxygenation. Microporous and Mesoporous Materials, 2018, 270, 220-226.	2.2	21
9	Comparison between three predictive methods for the calculation of polymer solubility parameters. Fluid Phase Equilibria, 2013, 337, 6-10.	1.4	20
10	Effective Adsorptive Removal of Cobalt Using Mesoporous Carbons Synthesized by Silica Gel Replica Method. Environmental Processes, 2018, 5, 225-242.	1.7	17
11	Hansen solubility parameter: from polyethylene and poly(vinyl acetate) homopolymers to ethyleneâ€“vinyl acetate copolymers. Polymer International, 2017, 66, 1013-1020.	1.6	16
12	Turbidimetric and intrinsic viscosity study of EVA copolymerâ€“solvent systems. Polymer Bulletin, 2014, 71, 193-206.	1.7	15
13	Thermodynamic interactions of three SBS (styreneâ€“butadieneâ€“styrene) triblock copolymers with different solvents, by means of intrinsic viscosity measurements. European Polymer Journal, 2010, 46, 2261-2268.	2.6	14
14	Thermodynamic interactions of EVA copolymerâ€solvent systems by inverse gas chromatography measurements. Journal of Applied Polymer Science, 2013, 128, 481-486.	1.3	14
15	Distillation assisted heat pump in a trichlorosilane purification process. Chemical Engineering and Processing: Process Intensification, 2013, 69, 70-76.	1.8	13
16	Thermodynamic Modeling and Simulation of Styreneâ€'Butadiene Rubbers (SBR) Solvent Equilibrium Staged Processes. Industrial & Engineering Chemistry Research, 2009, 48, 7713-7723.	1.8	12
17	Optimization and Adsorption-Based Recovery of Cobalt Using Activated Disordered Mesoporous Carbons. Advances in Materials Science and Engineering, 2019, 2019, 1-10.	1.0	11
18	Feasibility of 1,3-butanediol as solvent for limonene and linalool separation. Chemical Engineering and Processing: Process Intensification, 2010, 49, 1183-1187.	1.8	10

#	Article	IF	Citations
19	Isobaric Vaporâ^'Liquid Equilibrium for the Binary Systems 1-Pentanol + Cyclohexane and 1-Pentanol + n-Hexane at Low Alcohol Compositions. Journal of Chemical & Engineering Data, 2007, 52, 1984-1987.	1.0	9
20	Purification process design in the production of styrene monomer. Chemical Engineering and Processing: Process Intensification, 2010, 49, 367-375.	1.8	9
21	Thermocatalytic deoxygenation of methyl laurate over potassium FAU zeolites. Microporous and Mesoporous Materials, 2019, 284, 122-127.	2.2	8
22	TG and DSC as tools to analyse the thermal behaviour of EVA copolymers. Journal of Elastomers and Plastics, 2021, 53, 792-805.	0.7	8
23	Recovery of Gallium from Aqueous Solution through Preconcentration by Adsorption/Desorption on Disordered Mesoporous Carbon. Journal of Sustainable Metallurgy, 2021, 7, 227-242.	1.1	7
24	H-Clinoptilolite as an Efficient and Low-Cost Adsorbent for Batch and Continuous Gallium Removal from Aqueous Solutions. Journal of Sustainable Metallurgy, 2021, 7, 1699-1716.	1.1	7
25	Deoxygenation of m-toluic acid over hierarchical x zeolite. Catalysis Communications, 2016, 78, 55-58.	1.6	6
26	PC-SAFT thermodynamics of EVA copolymer â€“ Solvent systems. Fluid Phase Equilibria, 2017, 449, 10-17.	1.4	6
27	Bulk polymer/solvent interactions for polyethylene and EVA copolymers, below their melting temperatures. Polymer Bulletin, 2017, 74, 11-25.	1.7	5
28	A new methodology to determine sorption curves from Flory Huggins parameters measured at solvent and polymer infinite dilution. European Polymer Journal, 2016, 82, 71-81.	2.6	4
29	Inverse gas chromatography study of polyvinylacetateâ€“solvent and polyethyleneâ€“solvent systems. Polymer Engineering and Science, 2016, 56, 36-43.	1.5	4
30	Catching the Attention of Generation Z Chemical Engineering Students for Particle Technology. Journal of Formative Design in Learning, 2019, 3, 146-157.	0.7	4
31	Bentonite as an Alternative Adsorbent for the Purification of Styrene Monomer: Adsorption Kinetics, Equilibrium and Process Design. Adsorption Science and Technology, 2010, 28, 101-123.	1.5	3
32	Vaporâ€“Liquid Equilibrium at p/kPa = 101.3 of the Binary Mixtures of Ethenyl Acetate with Methanol and Butan-1-ol. Journal of Chemical & Engineering Data, 2012, 57, 3198-3202.	1.0	3
33	Evaluation of (vapor+liquid) equilibria for the binary systems (1-octanol+cyclohexane) and (1-octanol+n-hexane), at low alcohol compositions. Journal of Chemical Thermodynamics, 2008, 40, 1617-1620.	1.0	2
34	Characterization of a natural zeolite with inverse gas chromatography to assess its feasibility as adsorbent. Environmental Progress and Sustainable Energy, 2020, 39, e13412.	1.3	2
35	Deoxygenation of methyl laurate: influence of cation and mesoporosity in fau zeolites. Journal of Porous Materials, 2021, 28, 1355-1360.	1.3	1
36	Mesoporous low silica X (MLSX) zeolite: Mesoporosity in loewenstein limit?. Microporous and Mesoporous Materials, 2022, 330, 111618.	2.2	0