

Isabel Escudero

List of Publications by Year in descending order

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35
papers

532
citations

687363

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all docs

35
docs citations

35
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation and characterisation of wheat bran oil-in-water nanoemulsions. <i>Food Chemistry</i> , 2015, 167, 16-23.	8.2	84
2	Colour removal from beet molasses by ultrafiltration with activated charcoal. <i>Chemical Engineering Journal</i> , 2016, 283, 313-322.	12.7	41
3	Comparison of backing materials of screen printed electrochemical sensors for direct determination of the sub-nanomolar concentration of lead in seawater. <i>Talanta</i> , 2018, 182, 549-557.	5.5	39
4	Micellar-enhanced ultrafiltration for the recovery of lactic acid and citric acid from beet molasses with sodium dodecyl sulphate. <i>Journal of Membrane Science</i> , 2013, 430, 11-23.	8.2	36
5	Formulation and characterization of Tween 80/cholesterol niosomes modified with tri-n-octylmethylammonium chloride (TOMAC) for carboxylic acids entrapment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 167-177.	4.7	23
6	Accurate determination of key surface properties that determine the efficient separation of bovine milk BSA and LF proteins. <i>Separation and Purification Technology</i> , 2014, 135, 145-157.	7.9	21
7	$\hat{\text{L}}\pm$ -Phenylglycine Extraction with Trialkylmethylammonium Chloride Free and Immobilized in a Macroporous Resin. <i>Chemical Engineering Research and Design</i> , 2002, 80, 529-536.	5.6	20
8	Formulation and Preparation of Water-In-Oil-In-Water Emulsions Loaded with a Phenolic-Rich Inner Aqueous Phase by Application of High Energy Emulsification Methods. <i>Foods</i> , 2020, 9, 1411.	4.3	20
9	Valeric Acid Extraction with Tri-n-butyl Phosphate Impregnated in a Macroporous Resin. I. Equilibrium and Mass Transfer Rates. <i>Separation Science and Technology</i> , 2005, 39, 77-95.	2.5	19
10	Sensor system based on flexible screen-printed electrodes for electrochemical detection of okadaic acid in seawater. <i>Talanta</i> , 2019, 192, 347-352.	5.5	17
11	Liquid-Liquid Equilibrium for 2,3-Butanediol + Water + Organic Solvents. <i>Journal of Chemical & Engineering Data</i> , 1994, 39, 834-839.	1.9	16
12	$\hat{\text{L}}\pm$ -Phenylglycine Extraction with a Trialkylmethylammonium Chloride-Impregnated Macroporous Resin. <i>Chemical Engineering Research and Design</i> , 2002, 80, 537-542.	5.6	15
13	Stability and characterization studies of Span 80 niosomes modified with CTAB in the presence of NaCl. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 124999.	4.7	15
14	Estimation of endoglucanase and lysozyme effective diffusion coefficients in polysulphone membranes. <i>Journal of Biotechnology</i> , 1999, 72, 77-83.	3.8	14
15	Formulation of Span 80 niosomes modified with SDS for lactic acid entrapment. <i>Desalination and Water Treatment</i> , 2015, 56, 3463-3475.	1.0	13
16	Extraction of betaine from beet molasses using membrane contactors. <i>Journal of Membrane Science</i> , 2011, 372, 258-268.	8.2	12
17	Lactic acid recovery by microfiltration using niosomes as extraction agents. <i>Separation and Purification Technology</i> , 2015, 151, 1-13.	7.9	11
18	Preparation of Water-in-Oil Nanoemulsions Loaded with Phenolic-Rich Olive Cake Extract Using Response Surface Methodology Approach. <i>Foods</i> , 2022, 11, 279.	4.3	11

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19	Solubilization of Span 80 Niosomes by Sodium Dodecyl Sulfate. ACS Sustainable Chemistry and Engineering, 2016, 4, 1862-1869.	6.7	10
20	Studies of polyphenol oxidase inactivation by means of high pressure carbon dioxide (HPCD). Journal of Supercritical Fluids, 2019, 147, 310-321.	3.2	10
21	 <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.e.</small> Chemical	3.8	9
22	Separation of sodium lactate from Span 80 and SDS surfactants by ultrafiltration. Separation and Purification Technology, 2017, 180, 90-98.	7.9	9
23	LIQUID-LIQUID EXTRACTION OF 2,3-BUTANEDIOL FROM DILUTE AQUEOUS SOLUTIONS WITH MIXED SOLVENTS. Chemical Engineering Communications, 1999, 173, 135-146.	2.6	8
24	Equilibrium Distribution Model of Betaine between Surfactant Micelles and Water: Application to a Micellar-Enhanced Ultrafiltration Process. Industrial & Engineering Chemistry Research, 2010, 49, 6578-6586.	3.7	8
25	Liquid~Liquid Equilibria for 2,3-Butanediol + Water + 4-(1-Methylpropyl)phenol + Toluene at 25 Å°C. Journal of Chemical & Engineering Data, 1996, 41, 2-5.	1.9	7
26	Application of Crossflow Ultrafiltration to Emulsion Separation in the Extraction of Valeric Acid with Tri-n-butyl Phosphate. Separation Science and Technology, 2000, 35, 811-823.	2.5	7
27	Recovery of $\hat{\pm}$ -Phenylglycine by Micellar Extractive Ultrafiltration. Chemical Engineering Research and Design, 2006, 84, 610-616.	5.6	7
28	Application of the solution-diffusion-film model for the transfer of electrolytes and uncharged compounds in a nanofiltration membrane. Journal of Industrial and Engineering Chemistry, 2017, 47, 368-374.	5.8	7
29	Mass transfer in extractive ultrafiltration of $\hat{\pm}$ -phenylglycine with TOMACl in a hollow fiber contactor. Journal of Membrane Science, 2005, 252, 9-18.	8.2	6
30	Valeric acid extraction with tri-n-butyl phosphate impregnated in a macroporous resin: II. Studies in fixed bed columns. Journal of Chemical Technology and Biotechnology, 2006, 81, 275-281.	3.2	5
31	Study of ceramic membrane behavior for okadaic acid and heavy-metal determination in filtered seawater. Journal of Environmental Management, 2019, 232, 564-573.	7.8	5
32	Liquid~Liquid Equilibria in (2,3-Butanediol + 2-Butoxyethanol + Water + Potassium Chloride) at 70 Å°C. Journal of Chemical & Engineering Data, 1996, 41, 1383-1387.	1.9	4
33	Recovery of $\hat{\pm}$ -phenylglycine by micellar ultrafiltration using organic membranes in a stirred cell. Desalination, 2006, 200, 327-329.	8.2	3
34	Reply to "Letter to Editor" by F. Ruiz and A. Marcilla on J. Chem. Eng. Data 1996, 41, 2~5. Journal of Chemical & Engineering Data, 1997, 42, 411-411.	1.9	0
35	Reply to Comments on "Liquid~Liquid Equilibria in (2,3-Butanediol + 2-Butoxyethanol + Water + Tj ETQq1 1 0.784314 rgBT /Ovele Journal of Chemical & Engineering Data, 1998, 43, 1103-1103.	1.9	0