Seyed Ali Sajadian

List of Publications by Year
in descending order

46 papers	2,441 citations	117625 34 h-index	223800 46 g-index
46 all docs	46 docs citations	46 times ranked	764 citing authors

#	Article	IF	Citations
1	CO2 utilization as a supercritical solvent and supercritical antisolvent in production of sertraline hydrochloride nanoparticles. Journal of CO2 Utilization, 2022, 55, 101799.	6.8	36
2	Solubility of montelukast (as a potential treatment of COVID -19) in supercritical carbon dioxide: Experimental data and modelling. Journal of Molecular Liquids, 2022, 349, 118219.	4.9	20
3	Experimental and modeling investigation of Glibenclamide solubility in supercritical carbon dioxide. Fluid Phase Equilibria, 2022, 556, 113408.	2.5	24
4	Solubility of favipiravir (as an anti-COVID-19) in supercritical carbon dioxide: An experimental analysis and thermodynamic modeling. Journal of Supercritical Fluids, 2022, 183, 105539.	3.2	24
5	Experimental analysis and thermodynamic modelling of lenalidomide solubility in supercritical carbon dioxide. Arabian Journal of Chemistry, 2022, 15, 103821.	4.9	24
6	Solubility of Lacosamide in supercritical carbon Dioxide: An experimental analysis and thermodynamic modeling. Journal of Molecular Liquids, 2022, 360, 119467.	4.9	18
7	Experimental study of ketoconazole impregnation into polyvinyl pyrrolidone and hydroxyl propyl methyl cellulose using supercritical carbon dioxide: Process optimization. Journal of Supercritical Fluids, 2022, 188, 105674.	3.2	21
8	Solubility of Ketoconazole (antifungal drug) in SC-CO2 for binary and ternary systems: measurements and empirical correlations. Scientific Reports, 2021, 11, 7546.	3.3	25
9	An investigation into Sunitinib malate nanoparticle production by US- RESOLV method: Effect of type of polymer on dissolution rate and particle size distribution. Journal of Supercritical Fluids, 2021, 170, 105163.	3.2	43
10	Antioxidant capacity, physicochemical properties, thermal behavior, and oxidative stability of nectarine (Prunus persica var. nucipersica) kernel oil. Journal of Food Processing and Preservation, 2021, 45, e15198.	2.0	10
11	Experimental data and thermodynamic modeling of solubility of Sorafenib tosylate, as an anti-cancer drug, in supercritical carbon dioxide: Evaluation of Wong-Sandler mixing rule. Journal of Chemical Thermodynamics, 2020, 142, 105998.	2.0	37
12	Prediction of solubility of sunitinib malate (an anti-cancer drug) in supercritical carbon dioxide (SCâ€“CO2): Experimental correlations and thermodynamic modeling. Journal of Molecular Liquids, 2020, 297, 111740.	4.9	46
13	Experimental data and thermodynamic modeling of solubility of Azathioprine, as an immunosuppressive and anti-cancer drug, in supercritical carbon dioxide. Journal of Molecular Liquids, 2020, 299, 112179.	4.9	50
14	Experimental measurement and thermodynamic modeling of Lansoprazole solubility in supercritical carbon dioxide: Application of SAFT-VR EoS. Fluid Phase Equilibria, 2020, 507, 112422.	2.5	57
15	Preparation of phthalocyanine green nano pigment using supercritical CO2 gas antisolvent (GAS): experimental and modeling. Heliyon, 2020, 6, e04947.	3.2	37
16	Experimental and thermodynamic analyses of supercritical CO2-Solubility of minoxidil as an antihypertensive drug. Fluid Phase Equilibria, 2020, 522, 112745.	2.5	42
17	Lansoprazole loading of polymers by supercritical carbon dioxide impregnation: Impacts of process parameters. Journal of Supercritical Fluids, 2020, 164, 104892.	3.2	38
18	Measurement and thermodynamic modeling of solubility of Tamsulosin drug (anti cancer and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T 163, 104875.	3.2	44

#	Article	IF	Citations
19	Prediction of Solubility of Sodium Valproate in Supercritical Carbon Dioxide: Experimental Study and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2020, 65, 1747-1760.	1.9	41
20	Determination of the Solubility of the Repaglinide Drug in Supercritical Carbon Dioxide: Experimental Data and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2019, 64, 5338-5348.	1.9	44
21	Experimental study and thermodynamic modeling of Esomeprazole (proton-pump inhibitor drug for) Tj ETQq1 1 0.784314 rgBT /Over 2019, 154, 104606.	3.2	65
22	Utilization of ultrasonic-assisted RESOLV (US-RESOLV) with polymeric stabilizers for production of amiodarone hydrochloride nanoparticles: Optimization of the process parameters. Chemical Engineering Research and Design, 2019, 142, 268-284.	5.6	64
23	Solubility measurement of a pigment (Phthalocyanine green) in supercritical carbon dioxide: Experimental correlations and thermodynamic modeling. Fluid Phase Equilibria, 2019, 494, 61-73.	2.5	28
24	Experimental investigation and modeling of the solubility of oxcarbazepine (an anticonvulsant agent) in supercritical carbon dioxide. Fluid Phase Equilibria, 2019, 493, 160-173.	2.5	42
25	Experimental measurement of solubilities of sertraline hydrochloride in supercriticalcarbon dioxide with/without menthol: Data correlation. Journal of Supercritical Fluids, 2019, 149, 79-87.	3.2	38
26	Production of Loratadine drug nanoparticles using ultrasonic-assisted Rapid expansion of supercritical solution into aqueous solution (US-RESSAS). Journal of Supercritical Fluids, 2019, 147, 241-253.	3.2	57
27	Experimental measurements and thermodynamic modeling of Coumarin-7 solid solubility in supercritical carbon dioxide: Production of nanoparticles via RESS method. Fluid Phase Equilibria, 2019, 483, 122-143.	2.5	71
28	Solubility measurement of a chemotherapeutic agent (Imatinib mesylate) in supercritical carbon dioxide: Assessment of new empirical model. Journal of Supercritical Fluids, 2019, 146, 89-99.	3.2	92
29	Extraction of seed oil from Diospyros lotus optimized using response surface methodology. Journal of Forestry Research, 2019, 30, 709-719.	3.6	31
30	Properties of Portulaca oleracea seed oil via supercritical fluid extraction: Experimental and optimization. Journal of Supercritical Fluids, 2018, 135, 34-44.	3.2	71
31	Solubility measurement and preparation of nanoparticles of an anticancer drug (Letrozole) using rapid expansion of supercritical solutions with solid cosolvent (RESS-SC). Journal of Supercritical Fluids, 2018, 133, 239-252.	3.2	101
32	Measurement, correlation and thermodynamic modeling of the solubility of Ketotifen fumarate (KTF) in supercritical carbon dioxide: Evaluation of PCP-SAFT equation of state. Fluid Phase Equilibria, 2018, 458, 102-114.	2.5	69
33	Mathematical modelling for extraction of oil from Dracocephalum kotschyi seeds in supercritical carbon dioxide. Natural Product Research, 2018, 32, 795-803.	1.8	50
34	A comprehensive comparison among four different approaches for predicting the solubility of pharmaceutical solid compounds in supercritical carbon dioxide. Korean Journal of Chemical Engineering, 2018, 35, 2097-2116.	2.7	44
35	Solubility measurement of an antihistamine drug (Loratadine) in supercritical carbon dioxide: Assessment of qCPA and PCP-SAFT equations of state. Fluid Phase Equilibria, 2018, 472, 147-159.	2.5	67
36	Preparation of Aprepitant nanoparticles (efficient drug for coping with the effects of cancer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Supercritical Fluids, 2018, 140, 72-84.	3.2	73

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37	Experimental optimization and mathematical modeling of the supercritical fluid extraction of essential oil from Eryngium billardieri : Application of simulated annealing (SA) algorithm. Journal of Supercritical Fluids, 2017, 127, 146-157.	3.2	95
38	Determination of solubility of Aprepitant (an antiemetic drug for chemotherapy) in supercritical carbon dioxide: Empirical and thermodynamic models. Journal of Supercritical Fluids, 2017, 128, 102-111.	3.2	81
39	Solubility of an antiarrhythmic drug (amiodarone hydrochloride) in supercritical carbon dioxide: Experimental and modeling. Fluid Phase Equilibria, 2017, 450, 149-159.	2.5	71
40	Supercritical fluid extraction of omega-3 from Dracocephalum kotschyi seed oil: Process optimization and oil properties. Journal of Supercritical Fluids, 2017, 119, 139-149.	3.2	81
41	Investigation of essential oil extraction and antioxidant activity of Echinophora platyloba DC. using supercritical carbon dioxide. Journal of Supercritical Fluids, 2017, 121, 52-62.	3.2	69
42	Optimization of essential oil extraction from Launaea acanthodes Boiss: Utilization of supercritical carbon dioxide and cosolvent. Journal of Supercritical Fluids, 2016, 116, 46-56.	3.2	77
43	Application of supercritical carbon dioxide to extract essential oil from Cleome coluteoides Boiss: Experimental, response surface and grey wolf optimization methodology. Journal of Supercritical Fluids, 2016, 114, 55-63.	3.2	87
44	Extraction of oil from Pistacia khinjuk using supercritical carbon dioxide: Experimental and modeling. Journal of Supercritical Fluids, 2016, 110, 265-274.	3.2	74
45	Evaluation of the response surface and hybrid artificial neural network-genetic algorithm methodologies to determine extraction yield of Ferulago angulata through supercritical fluid. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 165-173.	5.3	87
46	Extraction of Dracocephalum kotschyi Boiss using supercritical carbon dioxide: Experimental and optimization. Journal of Supercritical Fluids, 2016, 107, 137-144.	3.2	75