

# Seyed Ali Sajadian

## List of Publications by Year in descending order

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46  
papers

2,441  
citations

117625

34  
h-index

223800

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g-index

46  
all docs

46  
docs citations

46  
times ranked

764  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Experimental optimization and mathematical modeling of the supercritical fluid extraction of essential oil from <i>Eryngium billardieri</i> : Application of simulated annealing (SA) algorithm. Journal of Supercritical Fluids, 2017, 127, 146-157.	3.2	95
3	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
4	Application of supercritical carbon dioxide to extract essential oil from <i>Cleome coluteoides</i> Boiss: Experimental, response surface and grey wolf optimization methodology. Journal of Supercritical Fluids, 2016, 114, 55-63.	3.2	87
5	Evaluation of the response surface and hybrid artificial neural network-genetic algorithm methodologies to determine extraction yield of <i>Ferulago angulata</i> through supercritical fluid. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 165-173.	5.3	87
6	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
7	Supercritical fluid extraction of omega-3 from <i>Dracocephalum kotschy</i> seed oil: Process optimization and oil properties. Journal of Supercritical Fluids, 2017, 119, 139-149.	3.2	81
8	Optimization of essential oil extraction from <i>Launaea acanthodes</i> Boiss: Utilization of supercritical carbon dioxide and cosolvent. Journal of Supercritical Fluids, 2016, 116, 46-56.	3.2	77
9	Extraction of <i>Dracocephalum kotschy</i> Boiss using supercritical carbon dioxide: Experimental and optimization. Journal of Supercritical Fluids, 2016, 107, 137-144.	3.2	75
10	Extraction of oil from <i>Pistacia khinjuk</i> using supercritical carbon dioxide: Experimental and modeling. Journal of Supercritical Fluids, 2016, 110, 265-274.	3.2	74
11	Preparation of Aprepitant nanoparticles (efficient drug for coping with the effects of cancer) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Supercritical Fluids, 2018, 140, 72-84.	3.2	73
12	Solubility of an antiarrhythmic drug (amiodarone hydrochloride) in supercritical carbon dioxide: Experimental and modeling. Fluid Phase Equilibria, 2017, 450, 149-159.	2.5	71
13	Properties of <i>Portulaca oleracea</i> seed oil via supercritical fluid extraction: Experimental and optimization. Journal of Supercritical Fluids, 2018, 135, 34-44.	3.2	71
14	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
15	Investigation of essential oil extraction and antioxidant activity of <i>Echinophora platyloba</i> DC. using supercritical carbon dioxide. Journal of Supercritical Fluids, 2017, 121, 52-62.	3.2	69
16	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
17	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
18	Experimental study and thermodynamic modeling of Esomeprazole (proton-pump inhibitor drug for) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2019, 154, 104606.	3.2	65

#	ARTICLE	IF	CITATIONS
19	Utilization of ultrasonic-assisted RESOLV (US-RESOLV) with polymeric stabilizers for production of amiodarone hydrochloride nanoparticles: Optimization of the process parameters. <i>Chemical Engineering Research and Design</i> , 2019, 142, 268-284.	5.6	64
20	Production of Loratadine drug nanoparticles using ultrasonic-assisted Rapid expansion of supercritical solution into aqueous solution (US-RESSAS). <i>Journal of Supercritical Fluids</i> , 2019, 147, 241-253.	3.2	57
21	Experimental measurement and thermodynamic modeling of Lansoprazole solubility in supercritical carbon dioxide: Application of SAFT-VR EoS. <i>Fluid Phase Equilibria</i> , 2020, 507, 112422.	2.5	57
22	Mathematical modelling for extraction of oil from <i>Dracocephalum kotschyi</i> seeds in supercritical carbon dioxide. <i>Natural Product Research</i> , 2018, 32, 795-803.	1.8	50
23	Experimental data and thermodynamic modeling of solubility of Azathioprine, as an immunosuppressive and anti-cancer drug, in supercritical carbon dioxide. <i>Journal of Molecular Liquids</i> , 2020, 299, 112179.	4.9	50
24	Prediction of solubility of sunitinib malate (an anti-cancer drug) in supercritical carbon dioxide (SC $\text{CO}_2$ ): Experimental correlations and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2020, 297, 111740.	4.9	46
25	A comprehensive comparison among four different approaches for predicting the solubility of pharmaceutical solid compounds in supercritical carbon dioxide. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2097-2116.	2.7	44
26	Determination of the Solubility of the Repaglinide Drug in Supercritical Carbon Dioxide: Experimental Data and Thermodynamic Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 5338-5348.	1.9	44
27	Measurement and thermodynamic modeling of solubility of Tamsulosin drug (anti cancer and) $T_j \text{ ETQq1 } 1 \text{ } 0.784314 \text{ rgBT /Overlock } 10 \text{ } 163, 104875.$	3.2	44
28	An investigation into Sunitinib malate nanoparticle production by US- RESOLV method: Effect of type of polymer on dissolution rate and particle size distribution. <i>Journal of Supercritical Fluids</i> , 2021, 170, 105163.	3.2	43
29	Experimental investigation and modeling of the solubility of oxcarbazepine (an anticonvulsant agent) in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 2019, 493, 160-173.	2.5	42
30	Experimental and thermodynamic analyses of supercritical CO <sub>2</sub> -Solubility of minoxidil as an antihypertensive drug. <i>Fluid Phase Equilibria</i> , 2020, 522, 112745.	2.5	42
31	Prediction of Solubility of Sodium Valproate in Supercritical Carbon Dioxide: Experimental Study and Thermodynamic Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 1747-1760.	1.9	41
32	Experimental measurement of solubilities of sertraline hydrochloride in supercritical carbon dioxide with/without menthol: Data correlation. <i>Journal of Supercritical Fluids</i> , 2019, 149, 79-87.	3.2	38
33	Lansoprazole loading of polymers by supercritical carbon dioxide impregnation: Impacts of process parameters. <i>Journal of Supercritical Fluids</i> , 2020, 164, 104892.	3.2	38
34	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. <i>Journal of Chemical Thermodynamics</i> , 2020, 142, 105998.	2.0	37
35	Preparation of phthalocyanine green nano pigment using supercritical CO <sub>2</sub> gas antisolvent (GAS): experimental and modeling. <i>Heliyon</i> , 2020, 6, e04947.	3.2	37
36	CO <sub>2</sub> utilization as a supercritical solvent and supercritical antisolvent in production of sertraline hydrochloride nanoparticles. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 55, 101799.	6.8	36

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37	Extraction of seed oil from <i>Diospyros lotus</i> optimized using response surface methodology. <i>Journal of Forestry Research</i> , 2019, 30, 709-719.	3.6	31
38	Solubility measurement of a pigment (Phthalocyanine green) in supercritical carbon dioxide: Experimental correlations and thermodynamic modeling. <i>Fluid Phase Equilibria</i> , 2019, 494, 61-73.	2.5	28
39	Solubility of Ketoconazole (antifungal drug) in SC-CO <sub>2</sub> for binary and ternary systems: measurements and empirical correlations. <i>Scientific Reports</i> , 2021, 11, 7546.	3.3	25
40	Experimental and modeling investigation of Glibenclamide solubility in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 2022, 556, 113408.	2.5	24
41	Solubility of favipiravir (as an anti-COVID-19) in supercritical carbon dioxide: An experimental analysis and thermodynamic modeling. <i>Journal of Supercritical Fluids</i> , 2022, 183, 105539.	3.2	24
42	Experimental analysis and thermodynamic modelling of lenalidomide solubility in supercritical carbon dioxide. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103821.	4.9	24
43	Experimental study of ketoconazole impregnation into polyvinyl pyrrolidone and hydroxyl propyl methyl cellulose using supercritical carbon dioxide: Process optimization. <i>Journal of Supercritical Fluids</i> , 2022, 188, 105674.	3.2	21
44	Solubility of montelukast (as a potential treatment of COVID -19) in supercritical carbon dioxide: Experimental data and modelling. <i>Journal of Molecular Liquids</i> , 2022, 349, 118219.	4.9	20
45	Solubility of Lacosamide in supercritical carbon Dioxide: An experimental analysis and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2022, 360, 119467.	4.9	18
46	Antioxidant capacity, physicochemical properties, thermal behavior, and oxidative stability of nectarine ( <i>Prunus persica</i> var. <i>nucipersica</i> ) kernel oil. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15198.	2.0	10