

Elisabeth Badens

List of Publications by Year in descending order

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34
papers

1,059
citations

430874

18
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	A new correlation for predicting flooding point in supercritical fractionation packed columns. <i>Journal of Supercritical Fluids</i> , 2022, 179, 105404.	3.2	2
2	Interfacial tension of ethanol, water, and their mixtures in high pressure carbon dioxide: Measurements and modeling. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 847-856.	9.4	13
3	Elaboration of Lutein-loaded Nanoliposomes Using Supercritical CO ₂ . <i>European Journal of Lipid Science and Technology</i> , 2021, 123, 2000358.	1.5	3
4	In-Depth Study of Cyclodextrin Complexation with Carotenoids toward the Formation of Enhanced Delivery Systems. <i>Molecular Pharmaceutics</i> , 2021, 18, 1720-1729.	4.6	3
5	Prediction of Crystal Solvent Interactions in a Supercritical Medium: A Possible Way to Control Crystal Habit at High Supersaturations with Molecular Modeling. <i>Crystal Growth and Design</i> , 2020, 20, 6863-6876.	3.0	9
6	Supercritical loading of gatifloxacin into hydrophobic foldable intraocular lenses – Process control and optimization by following in situ CO ₂ sorption and polymer swelling. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119247.	5.2	12
7	Selective extraction of neutral lipids and pigments from <i>Nannochloropsis salina</i> and <i>Nannochloropsis maritima</i> using supercritical CO ₂ extraction: Effects of process parameters and pre-treatment. <i>Journal of Supercritical Fluids</i> , 2020, 165, 104934.	3.2	19
8	Supercritical fluid technology for the development of innovative ophthalmic medical devices: Drug loaded intraocular lenses to mitigate posterior capsule opacification. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 149, 248-256.	4.3	27
9	β-Carotene/PVP microspheres produced by Supercritical Assisted Atomization. <i>Powder Technology</i> , 2019, 346, 228-236.	4.2	10
10	Development of innovative medical devices by dispersing fatty acid eutectic blend on gauzes using supercritical particle generation processes. <i>Materials Science and Engineering C</i> , 2019, 99, 599-610.	7.3	22
11	Prof. Dr. Michel Perrut (March 29, 1947–July 7, 2018). <i>Journal of Supercritical Fluids</i> , 2019, 145, A1-A2.	3.2	0
12	Current situation and perspectives in drug formulation by using supercritical fluid technology. <i>Journal of Supercritical Fluids</i> , 2018, 134, 274-283.	3.2	47
13	Supercritical CO ₂ extraction of oil from <i>Jatropha curcas</i> : An experimental and modelling study. <i>Journal of Supercritical Fluids</i> , 2018, 141, 2-11.	3.2	19
14	Investigation of crystallization mechanisms for polymorphic and habit control from the Supercritical AntiSolvent process. <i>Journal of Supercritical Fluids</i> , 2018, 141, 29-38.	3.2	13
15	Supercritical antisolvent co-precipitation of rifampicin and ethyl cellulose. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 102, 161-171.	4.0	35
16	Oil extraction from enriched <i>Spirulina platensis</i> microalgae using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2017, 119, 289-296.	3.2	42
17	A new model for the fractionation of fish oil FAEs. <i>Journal of Supercritical Fluids</i> , 2017, 120, 258-265.	3.2	7
18	Supercritical impregnation and optical characterization of loaded foldable intraocular lenses using supercritical fluids. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 1343-1349.	1.5	16

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19	Effects of high water content and drying pre-treatment on supercritical CO2 extraction from <i>Dunaliella salina</i> microalgae: Experiments and modelling. <i>Journal of Supercritical Fluids</i> , 2016, 116, 271-280.	3.2	40
20	Optimization of Algerian rosemary essential oil extraction yield by supercritical CO2 using response surface methodology. <i>Comptes Rendus Chimie</i> , 2016, 19, 538-543.	0.5	27
21	Impregnation of Fenofibrate on mesoporous silica using supercritical carbon dioxide. <i>International Journal of Pharmaceutics</i> , 2016, 499, 1-9.	5.2	52
22	Multi-scale experimental study and modeling of the supercritical fractionation process. <i>Journal of Supercritical Fluids</i> , 2015, 105, 158-169.	3.2	14
23	Particle design applied to quercetin using supercritical anti-solvent techniques. <i>Journal of Supercritical Fluids</i> , 2015, 105, 119-127.	3.2	37
24	Production of a methyl ester from the microalgae <i>Nannochloropsis</i> grown in raceways on the French west coast. <i>Fuel</i> , 2015, 153, 640-649.	6.4	13
25	Influence of pretreatment on supercritical CO2 extraction from <i>Nannochloropsis oculata</i> . <i>Journal of Supercritical Fluids</i> , 2013, 79, 337-344.	3.2	98
26	Supercritical CO2 extraction of neutral lipids from microalgae: Experiments and modelling. <i>Journal of Supercritical Fluids</i> , 2013, 77, 7-16.	3.2	112
27	Drug recrystallization using supercritical anti-solvent (SAS) process with impinging jets: Effect of process parameters. <i>Journal of Crystal Growth</i> , 2012, 342, 34-41.	1.5	27
28	Supercritical Carbon Dioxide Extraction of Molecules of Interest from Microalgae and Seaweeds. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 8941-8953.	3.7	111
29	Experimental and modelling of supercritical oil extraction from rapeseeds and sunflower seeds. <i>Chemical Engineering Research and Design</i> , 2011, 89, 2477-2484.	5.6	19
30	Comparison of solid dispersions produced by supercritical antisolvent and spray-freezing technologies. <i>International Journal of Pharmaceutics</i> , 2009, 377, 25-34.	5.2	51
31	Extraction from oleaginous seeds using supercritical CO2: Experimental design and products quality. <i>Journal of Food Engineering</i> , 2009, 92, 396-402.	5.2	56
32	Powder Micronization Using a CO2 Supercritical Antisolvent Type Process: Comparison of Different Introduction Devices. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5671-5678.	3.7	13
33	Bioavailability enhancement of an active substance by supercritical antisolvent precipitation. <i>Journal of Supercritical Fluids</i> , 2007, 40, 101-110.	3.2	90
34	Applications industrielles des technologies supercritiques: État de l'art et perspectives. <i>Mécanique Et Industries</i> , 2004, 5, 541-551.	0.2	0