Green Journals

International Approved Journals

Journal Information

Journal Title	JOURNAL OF SUPERCRITICAL FLUIDS
Publisher	ELSEVIER
ISSN	0896-8446
E-ISSN	1872-8162
Database	Clarivate
Domain	Health Sciences, Life Sciences, Physical Sciences, Social Sciences

Classification History

Year	A+	A	B	C
2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
2018		✓		

Classification: The table above shows all journal classifications recorded for each classification year in the Green Journals database. A journal may have more than one classification in the same year.

Recent Articles

Three-dimensional simulation of cluster hydrodynamics in a supercritical water circulating fluidized bed riser using a two-fluid model coupled with the energy minimization multiscale drag model
2027-3 Vol. 241 Pages 107178
Authors: Hao Wang, Ao Hu, Mingjing Fan et al.
DOI: 10.1016/j.supflu.2026.107178

Drying strategies followed by supercritical fluid extraction for the recovery of bioactive compounds from dry-hopping spent hops
2027-3 Vol. 241 Pages 107182
Authors: Micheli Legemann Monte, Lisiane Baldez da Cunha, Gabriel Costa Coelho et al.
DOI: 10.1016/j.supflu.2026.107182

Supercritical CO2-impregnation of clove extract in polycarbonate/poly(lactic acid) blends: Composition-driven loading and morphology evolution
2027-3 Vol. 241 Pages 107180
Authors: Jorge André Pereira Monteiro, Flavia Leticia Silva, Kamille Santana Krieger et al.
DOI: 10.1016/j.supflu.2026.107180

Experimental data, thermodynamic modeling, and machine learning for determining the solubility of phenazine in supercritical carbon dioxide
2027-3 Vol. 241 Pages 107173
Authors: Ratna Surya Alwi, Adel Noubigh, Seyed Ali Sajadian
DOI: 10.1016/j.supflu.2026.107173

Supercritical ethanol for sustainable hydrogen-assisted upgrading of acid oils to renewable hydrocarbons over Ni/β-zeolite
2027-3 Vol. 241 Pages 107181
Authors: Bruna R. Margarida, Luís R.S. Kanda, Marcos L. Corazza et al.
DOI: 10.1016/j.supflu.2026.107181

Commercialization of natural plant oil as a cosmetic ingredient using liquefied dimethyl ether extraction
2027-3 Vol. 241 Pages 107172
Authors: Shogo Suzuki, Shogo Torii, Kento Kunihiro et al.
DOI: 10.1016/j.supflu.2026.107172

Supercritical CO2-assisted construction of a pH-responsive MOF hydrogel system for enhanced oral delivery of metformin in diabetes therapy
2027-3 Vol. 241 Pages 107179
Authors: Haixu Zhao, Guangyang Zhang, Lijun Song et al.
DOI: 10.1016/j.supflu.2026.107179

The integrated process of supercritical CO2 extraction from brown and red onion peels and impregnation into cotton, polyamide, and polypropylene textiles
2027-2 Vol. 240 Pages 107169
Authors: Stoja Milovanovic, Dusica Stojanovic, Darka Markovic
DOI: 10.1016/j.supflu.2026.107169

Continuous fabrication of polypropylene-based porous photothermal fibers via CO_2-assisted extrusion foaming and uniaxial stretching for thermal management
2027-2 Vol. 240 Pages 107175
Authors: Dapeng Dong, Kang Tao, Lifeng Ding
DOI: 10.1016/j.supflu.2026.107175

Supercritical CO2-assisted impregnation of antioxidant compounds from orange peel waste into polylactic acid films
2027-2 Vol. 240 Pages 107158
Authors: Juliana Martin do Prado, Dayane Berto Farias, Beatriz Rodrigues Pinto et al.
DOI: 10.1016/j.supflu.2026.107158