eric Lesellier

List of Publications by Year in descending order

79 papers	3,843 citations	109321 35 h-index	128289 60 g-index
82 all docs	82 docs citations	82 times ranked	2054 citing authors

#	Article	IF	Citations
1	The many faces of packed column supercritical fluid chromatography â€“ A critical review. Journal of Chromatography A, 2015, 1382, 2-46.	3.7	323
2	Modern analytical supercritical fluid chromatography using columns packed with sub-2Î¼m particles: A tutorial. Analytica Chimica Acta, 2014, 824, 18-35.	5.4	234
3	Research advances for the extraction, analysis and uses of anthraquinones: A review. Industrial Crops and Products, 2016, 94, 812-833.	5.2	155
4	A unified classification of stationary phases for packed column supercritical fluid chromatography. Journal of Chromatography A, 2008, 1191, 21-39.	3.7	150
5	Selective extraction of bioactive compounds from plants using recent extraction techniques: A review. Journal of Chromatography A, 2021, 1635, 461770.	3.7	138
6	Retention mechanisms in super/subcritical fluid chromatography on packed columns. Journal of Chromatography A, 2009, 1216, 1881-1890.	3.7	131
7	Characterisation of stationary phases in subcritical fluid chromatography with the solvation parameter model. Journal of Chromatography A, 2006, 1110, 200-213.	3.7	118
8	An improved classification of stationary phases for ultra-high performance supercritical fluid chromatography. Journal of Chromatography A, 2016, 1440, 212-228.	3.7	112
9	Characterisation of stationary phases in subcritical fluid chromatography with the solvation parameter model IV. Journal of Chromatography A, 2006, 1115, 233-245.	3.7	97
10	Characterization of stationary phases in subcritical fluid chromatography by the solvation parameter model. Journal of Chromatography A, 2006, 1110, 181-190.	3.7	93
11	Description and comparison of chromatographic tests and chemometric methods for packed column classification. Journal of Chromatography A, 2007, 1158, 329-360.	3.7	87
12	Optimization of headspace solid phase microextraction for gas chromatography/mass spectrometry analysis of widely different volatility and polarity terpenoids in olibanum. Journal of Chromatography A, 2003, 1018, 73-83.	3.7	85
13	Overview of the retention in subcritical fluid chromatography with varied polarity stationary phases. Journal of Separation Science, 2008, 31, 1238-1251.	2.5	74
14	Effects of mobile phase composition on retention and selectivity in achiral supercritical fluid chromatography. Journal of Chromatography A, 2013, 1302, 152-162.	3.7	74
15	Fast separation of triterpenoids by supercritical fluid chromatography/evaporative light scattering detector. Journal of Chromatography A, 2012, 1268, 157-165.	3.7	73
16	Effects of mobile phase composition and temperature on the supercritical fluid chromatography enantioseparation of chiral fluoro-oxoindole-type compounds with chlorinated polysaccharide stationary phases. Journal of Chromatography A, 2012, 1269, 325-335.	3.7	70
17	Orthogonal screening system of columns for supercritical fluid chromatography. Journal of Chromatography A, 2008, 1203, 105-113.	3.7	69
18	Ultra high efficiency/low pressure supercritical fluid chromatography with superficially porous particles for triglyceride separation. Journal of Chromatography A, 2014, 1327, 141-148.	3.7	68

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19	Characterization and use of hydrophilic interaction liquid chromatography type stationary phases in supercritical fluid chromatography. Journal of Chromatography A, 2012, 1250, 182-195.	3.7	66
20	Characterization of five chemistries and three particle sizes of stationary phases used in supercritical fluid chromatography. Journal of Chromatography A, 2013, 1319, 148-159.	3.7	66
21	Classification of special octadecyl-bonded phases by the carotenoid test. Journal of Chromatography A, 2006, 1111, 62-70.	3.7	65
22	Characterisation of stationary phases in subcritical fluid chromatography by the solvation parameter model. Journal of Chromatography A, 2006, 1110, 191-199.	3.7	63
23	Sequential extraction of carnosic acid, rosmarinic acid and pigments (carotenoids and chlorophylls) from Rosemary by online supercritical fluid extraction-supercritical fluid chromatography. Journal of Chromatography A, 2021, 1639, 461709.	3.7	61
24	Improved separation of furocoumarins of essential oils by supercritical fluid chromatography. Journal of Chromatography A, 2009, 1216, 7088-7095.	3.7	58
25	Secondâ€Generation Iminoxylitolâ€Based Pharmacological Chaperones for the Treatment of Gaucher Disease. ChemMedChem, 2011, 6, 353-361.	3.2	58
26	Development of an achiral supercritical fluid chromatography method with ultraviolet absorbance and mass spectrometric detection for impurity profiling of drug candidates. Part I: Optimization of mobile phase composition. Journal of Chromatography A, 2015, 1408, 217-226.	3.7	57
27	Efficiency in supercritical fluid chromatography with different superficially porous and fully porous particles ODS bonded phases. Journal of Chromatography A, 2012, 1228, 89-98.	3.7	56
28	Effects of modifiers in subcritical fluid chromatography on retention with porous graphitic carbon. Journal of Chromatography A, 2005, 1087, 64-76.	3.7	50
29	A simple subcritical chromatographic test for an extended ODS high performance liquid chromatography column classification. Journal of Chromatography A, 2005, 1100, 45-59.	3.7	43
30	Separation of substituted aromatic isomers with porous graphitic carbon in subcritical fluid chromatography. Journal of Chromatography A, 2005, 1099, 175-184.	3.7	40
31	Effects of selected parameters on the response of the evaporative light scattering detector in supercritical fluid chromatography. Journal of Chromatography A, 2012, 1250, 220-226.	3.7	40
32	An attempt to estimate ionic interactions with phenyl and pentafluorophenyl stationary phases in supercritical fluid chromatography. Journal of Chromatography A, 2015, 1412, 126-138.	3.7	40
33	Advantages of the use of monolithic stationary phases for modelling the retention in sub/supercritical chromatography. Journal of Chromatography A, 2003, 1018, 225-232.	3.7	38
34	Characterisation of stationary phases in supercritical fluid chromatography with the solvation parameter model. Journal of Chromatography A, 2007, 1169, 205-219.	3.7	37
35	Combined supercritical fluid chromatographic tests to improve the classification of numerous stationary phases used in reversed-phase liquid chromatography. Journal of Chromatography A, 2008, 1189, 227-244.	3.7	36
36	Comparison of ultra-high performance methods in liquid and supercritical fluid chromatography coupled to electrospray ionization â€“ mass spectrometry for impurity profiling of drug candidates. Journal of Chromatography A, 2016, 1472, 117-128.	3.7	36

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37	Retention behaviour of ceramides in sub-critical fluid chromatography in comparison with non-aqueous reversed-phase liquid chromatography. Journal of Chromatography A, 2000, 883, 211-222.	3.7	35
38	Combined supercritical fluid chromatographic methods for the characterization of octadecylsiloxane-bonded stationary phases. Journal of Chromatography A, 2007, 1149, 345-357.	3.7	34
39	Development of an achiral supercritical fluid chromatography method with ultraviolet absorbance and mass spectrometric detection for impurity profiling of drug candidates. Part II. Selection of an orthogonal set of stationary phases. Journal of Chromatography A, 2015, 1408, 227-235.	3.7	32
40	Kinetic behaviour in supercritical fluid chromatography with modified mobile phase for 5Î¼m particle size and varied flow rates. Journal of Chromatography A, 2011, 1218, 2058-2064.	3.7	31
41	Chiral separation of phospineâ€containing Î±â€amino acid derivatives using two complementary cellulosic stationary phases in supercritical fluid chromatography. Chirality, 2010, 22, 242-251.	2.6	29
42	Chemometric methods to classify stationary phases for achiral packed column supercritical fluid chromatography. Journal of Chemometrics, 2012, 26, 52-65.	1.3	29
43	Îŧpider diagram: A universal and versatile approach for system comparison and classification. Journal of Chromatography A, 2015, 1389, 49-64.	3.7	29
44	Isolation of ceramide fractions from skin sample by subcritical chromatography with packed silica and evaporative light scattering detection. Journal of Chromatography A, 2003, 1016, 111-121.	3.7	27
45	Glycolipid class profiling by packed-column subcritical fluid chromatography. Journal of Chromatography A, 2004, 1040, 115-121.	3.7	27
46	Method developments approaches in supercritical fluid chromatography applied to the analysis of cosmetics. Journal of Chromatography A, 2015, 1423, 158-168.	3.7	27
47	Molecularly imprinted polymer applied to the selective isolation of urinary steroid hormones: An efficient tool in the control of natural steroid hormones abuse in cattle. Journal of Chromatography A, 2012, 1270, 51-61.	3.7	26
48	Sum of ranking differences to rank stationary phases used in packed column supercritical fluid chromatography. Journal of Chromatography A, 2015, 1409, 241-250.	3.7	26
49	Development and validation of ultra-high performance supercritical fluid chromatography method for quantitative determination of nine sunscreens in cosmetic samples. Analytica Chimica Acta, 2018, 1034, 184-194.	5.4	26
50	Possibility of predicting separations in supercritical fluid chromatography with the solvation parameter model. Journal of Chromatography A, 2009, 1216, 5600-5607.	3.7	25
51	Retention characteristics of porous graphitic carbon in subcritical fluid chromatography with carbon dioxideâ€“methanol mobile phases. Journal of Chromatography A, 2004, 1048, 99-109.	3.7	25
52	Chromatographic Properties of Ethanol/Water Mobile Phases on Silica Based Monolithic C18. Chromatographia, 2008, 68, 985-990.	1.3	24
53	Extension of the carotenoid test to superficially porous C18 bonded phases, aromatic ligand types and new classical C18 bonded phases. Journal of Chromatography A, 2012, 1266, 34-42.	3.7	23
54	Purification of drug degradation products supported by analytical and preparative supercritical fluid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2019, 170, 40-47.	2.8	18

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55	Analysis of short-chain bioactive peptides by unified chromatography-electrospray ionization mass spectrometry. Part I. Method development. Journal of Chromatography A, 2021, 1658, 462631.	3.7	18
56	Additional studies on shape selectivity by using the carotenoid test to classify C18 bonded silica. Journal of Chromatography A, 2011, 1218, 251-257.	3.7	17
57	Selective enrichment in bioactive compound from Kniphofia uvaria by super/subcritical fluid extraction and centrifugal partition chromatography. Journal of Chromatography A, 2016, 1447, 26-38.	3.7	17
58	Hyphenation of ultra high performance supercritical fluid chromatography with atmospheric pressure chemical ionisation high resolution mass spectrometry: Part 1. Study of the coupling parameters for the analysis of natural non-polar compounds. Journal of Chromatography A, 2017, 1509, 132-140.	3.7	17
59	Interest of achiral-achiral tandem columns for impurity profiling of synthetic drugs with supercritical fluid chromatography. Journal of Chromatography A, 2018, 1534, 161-169.	3.7	17
60	Supercritical fluid chromatography for bioanalysis: practical and theoretical considerations. Bioanalysis, 2011, 3, 125-131.	1.5	15
61	Characterization of stationary phases based on polysiloxanes thermally immobilized onto silica and metalized silica using supercritical fluid chromatography with the solvation parameter model. Journal of Chromatography A, 2013, 1315, 176-187.	3.7	15
62	Supercritical fluid chromatography for the analysis of natural dyes: From carotenoids to flavonoids. Journal of Separation Science, 2022, 45, 382-393.	2.5	15
63	Characterization of stationary phases in supercritical fluid chromatography including exploration of shape selectivity. Journal of Chromatography A, 2021, 1639, 461923.	3.7	14
64	Hyphenation of ultra-high performance supercritical fluid chromatography with atmospheric pressure chemical ionisation high resolution mass spectrometry: Part 2. Study of chromatographic and mass spectrometry parameters for the analysis of natural non-polar compounds. Journal of Chromatography A, 2019, 1596, 199-208.	3.7	13
65	Characterization of Novel Polymer-Based Pyridine Stationary Phases for Supercritical Fluid Chromatography. Chromatographia, 2019, 82, 143-152.	1.3	13
66	Supercritical Fluid Chromatography development of a predictive analytical tool to selectively extract bioactive compounds by supercritical fluid extraction and pressurised liquid extraction. Journal of Chromatography A, 2020, 1632, 461582.	3.7	13
67	On-line supercritical fluid extraction-supercritical fluid chromatography (SFE-SFC) at a glance: A coupling story. TrAC - Trends in Analytical Chemistry, 2021, 144, 116433.	11.4	12
68	Development of an analytical method for chlorophyll pigments separation by reversed-phase supercritical fluid chromatography. Journal of Chromatography A, 2020, 1612, 460643.	3.7	11
69	Synthesis of stationary phases containing pyridine, phenol, aniline and morpholine via click chemistry and their characterization and evaluation in supercritical fluid chromatography. Scientia Chromatographica, 2014, 6, 85-103.	0.2	10
70	Impurity profiling of drug candidates: Analytical strategies using reversed-phase and mixed-mode high-performance liquid chromatography methods. Journal of Chromatography A, 2018, 1535, 101-113.	3.7	10
71	Extension of the C18 stationary phase knowledge by using the carotenoid test. Journal of Separation Science, 2010, 33, 3097-3105.	2.5	9
72	Îŧpider diagram: A universal and versatile approach for system comparison and classification. Part 2: Stationary phase properties. Journal of Chromatography A, 2018, 1574, 71-81.	3.7	8

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73	Modelling of ceramide interactions with porous graphite carbon in non-aqueous liquid chromatography. Journal of Chromatography A, 2005, 1087, 77-85.	3.7	7
74	Evaluation of the extraction and stability of chlorophyll-rich extracts by supercritical fluid chromatography. Analytical and Bioanalytical Chemistry, 2020, 412, 7263-7273.	3.7	7
75	Changes in secoiridoids content and chemical characteristics of cultivated and wild Algerian olive oil, in term of fruit maturation. PLoS ONE, 2021, 16, e0260182.	2.5	7
76	Comments on the paper â€œCharacterization of stationary phases by a linear solvation energy relationship utilizing supercritical fluid chromatographyâ€•by C. R. Mitchell, N. J. Benz, S. Zhang. Journal of Separation Science, 2011, 34, 1917-1924.	2.5	6
77	Kinetic behaviour in supercritical fluid chromatography with modified mobile phase for 5Î¼m particle size. Part II: Effect of outlet pressure changes. Journal of Chromatography A, 2014, 1373, 190-196.	3.7	6
78	Supercritical fluid chromatography applied to the highly selective isolation of urinary steroid hormones prior to GC/MS analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1086, 97-104.	2.3	6
79	7. Applications of supercritical fluid chromatography: Natural products in pharmaceutical, cosmetic, and food applications. , 2018, , 139-172.		0