



## Non exhaustive list of scientific research using Kromaton FCPC

Articles are sorted by **APPLICATION FIELD**

APPLICATION FIELD	KEY WORD	REFERENCE
<b>PROCESS/ OPTIMIZATION</b>	Sample injection	Marchal et al., Rational improvement of centrifugal partition chromatographic settings for the production of 5-n-alkylresorcinols from wheat bran lipid extract I. Flooding conditions—optimizing the injection step, <i>Journal of Chromatography A</i> , 1005 (2003) 51–62
	Multiple Dual Mode	Delannay et al., Multiple dual-mode centrifugal partition chromatography, a semi-continuous development mode for routine laboratory-scale purifications, <i>Journal of Chromatography A</i> , 1127 (2006) 45–51
	pH Zone Refining	Toribio et al., Preparative isolation of huperzines A and B from <i>Huperzia serrata</i> by displacement centrifugal partition chromatography, <i>Journal of Chromatography A</i> , 1140 (2007) 101–106
	Ion Exchange	Maciuk et al., Anion-exchange displacement centrifugal partition chromatography, <i>Analytical Chemistry</i> , 2004, vol. 76, no21, pp. 6179-6186
	Operating Parameters	Adelmann et al., Influence of physical properties and operating parameters on 2 hydrodynamics in Centrifugal Partition Chromatography, <i>Journal of Chromatography A</i> , Volume 1218, Issue 32, 12 August 2011, Pages 5401-5413
	CPC History	Marchal et al., Centrifugal Partition Chromatography: A Survey of Its History, and Our Recent Advances in the Field, <i>The Chemical Record</i> , Vol. 3, 133–143 (2003)
<b>CPC HYPHENATION</b>	FCPC-HPLC	Michel et al., On-line hyphenation of Centrifugal Partition Chromatography(CPC) and High Pressure Liquid Chromatography (HPLC) for the fractionation of flavonoids from <i>Hippophaë rhamnoides</i> L. berries, <i>Journal of Chromatography A</i> , Volume 1218, Issue 36, 9 September 2011, Pages 6173-6178
	FCPC-MS	Destandau et al., Centrifugal partition chromatography directly interfaced with mass spectrometry for the fast screening and fractionation of major xanthones in <i>Garcinia mangostana</i> , <i>Journal of Chromatography A</i> , 1216 (2009) 1390–1394 Bisson et al., <i>Journal of Chromatography A</i> Volume 1218, Issue 36, 9 September 2011, Pages 6079-6084, <i>Journal of Chromatography A</i> Volume 1218, Issue 36, 9 September 2011, Pages 6079-6084
<b>FCPC B 5000</b>	Sinalbin	Toribio et al., Pilot-scale ion-exchange centrifugal partition chromatography: purification of sinalbin from white mustard seeds, <i>Journal of Separation Science</i> (2009) Volume: 32, Issue: 11, Pages: 1801-7
	Xanthanolides	Pinel et al., Multi-grams scale purification of xanthanolides from <i>Xanthium macrocarpum</i> Centrifugal partition chromatography versus silica gel chromatography, <i>Journal of Chromatography A</i> , 1151 (2007) 14–19
<b>FCPE</b>	Glycyrrhizin extraction	Hamzaoui et al., Intensified extraction of ionized natural products by ion pair centrifugal partition extraction, <i>Journal of Chromatography A</i> Volume 1218, Issue 31, 5 August 2011, Pages 5254-5262
	Lipid Fractionation	Hubert et al., New perspectives for microbial glycolipid fractionation and purification processes, <i>C. R. Chimie</i> 15 (2012) 18–28
<b>FCPC vs PREP HPLC</b>	Solvent consumption Purity	Morel et al., Preparative Isolation, Fast Centrifugal Partition Chromatography Purification and Biological Activity of Caffeoylchalcone from <i>Derris ferruginea</i> Stems, <i>Phytochem Anal.</i> 2011
		Pinel et al., Multi-grams scale purification of xanthanolides from <i>Xanthium macrocarpum</i> Centrifugal partition chromatography versus silica gel chromatography, <i>Journal of Chromatography A</i> , 1151 (2007) 14–19
<b>BIOTECHNOLOGY</b>	Toxin	Bayer et al., Large-scale production of selected type A trichothecenes: the use of HT-2 toxin and T-2 triol as precursors for the synthesis of d 3-T-2 and d 3-HT-2 toxin, <i>Mycotoxin Research</i> Volume 25, Number 1, 41-52
	Peptid purification Ion exchange	Boudesocque et al., Ion-exchange centrifugal partition chromatography: A methodological approach for peptide separation, <i>Journal of Chromatography A</i> , 1236 (2012) 115– 122
	Cell culture	Aumont et al., Production of highly <sup>13</sup> C-labeled polyphenols in <i>Vitis vinifera</i> cell bioreactor cultures, <i>Journal of Biotechnology</i> 109 (2004) 287–294
<b>ORGANIC SYNTHESIS</b>	Ilomastat	Moroy et al., Simultaneous presence of unsaturation and long alkyl chain at View the MathML source of Ilomastat confers selectivity for gelatinase A (MMP-2) over gelatinase B (MMP-9) inhibition as shown by molecular modelling studies, <i>Bioorganic &amp; Medicinal Chemistry</i> Volume 15, Issue 14, 15 July 2007, Pages 4753-4766