

Literature references for Cogent TYPE-C HPLC columns - Tech Information

The following is a list of Articles published in peer-reviewed Journals and books that discuss Cogent TYPE-C™ Silica based HPLC Columns and their Applications:

| Authors | Title | Publication | Date | Volume | Pages |
|---|---|----------------------------------|------|--------|-----------|
| Bugajev Viktor, Halova Ivana, Demkova Livia, Cernohouzova Sara, Vavrova Petra, Mrkacek Michal, Utekal | ORMDL2 Deficiency Potentiates the ORMDL3- Dependent Changes in Mast Cell Signaling | Frontiers in Immunology | 2021 | 11 | 591975 |
| Pesek JJ, Matyska MT, Tardiff E, Hiltz T. | Chromatographic characterization of a silica hydride-based amide stationary phase. | Journal of Separation Science | 2021 | 14 | 2728-2734 |
| Pesek JJ, Matyska MT. | Silica Hydride: A Separation Material Every Analyst Should Know About. | Molecules | 2021 | 26 | 7505 |

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| <p>Marisa C. May, David C. Pavone, Dr. Ira S. Lurie</p> | <p>The separation and identification of synthetic cathinones by portable low micro-flow liquid chromatography with dual capillary columns in series and dual wavelength ultraviolet detection</p> | <p>Journal of Separation Science</p> | <p>2020</p> | <p>43</p> | <p>1-9</p> |
| <p>Carly Ploumen, Ioan Marginean, Ira S. Lurie</p> | <p>The utility of silica hydride-based stationary phases for dual-mode ultra high performance liquid chromatography separation of synthetic cathinone positional isomers</p> | <p>Journal of Separation Science</p> | <p>2020</p> | <p>43</p> | <p>1-9</p> |
| <p>P. Jandera, T. Hájek</p> | <p>Mobile phase effects on the retention on polar columns with special attention to the dual hydrophilic interaction-reversed-phase liquid chromatography mechanism, a review</p> | <p>Journal of Separation Science</p> | <p>2018</p> | <p>41</p> | <p>145-162</p> |

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| D.K. Appulage, K.A. Schug | Silica hydride based phases for small molecule separations using automated liquid chromatography-mass spectrometry method development | Journal of Chromatography A | 2017 | 1507 | 115-123 |
| J.E. Young, Z. Pan, H. Ean, V. Menon, B. Modereger, J.J. Pesek, M.T. Matyska, G. Takeoka | Phenolic Composition of Pomegranate Peel Extracts using an LC-MS Approach with Silica Hydride Columns | J. Sep. Sci. | 2017 | 40 | 1449-1456 |
| J.E. Young, J.J. Pesek, M.T. Matyska, B. Sanchez, B. White | Quantitative Analysis of Uric Acid Metabolites in Urine by High Performance Liquid Chromatography - Mass Spectrometry using Silica Hydride Columns | Current Chromatography | 2017 | 4 | 51-57 |

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| J.E. Young, T. Nguyen, C. Ly, S. Jarman, D. Diep, C. Pham, J.J. Pesek, M.T. Matyska, G.R. Takeoka | LC-MS Characterization of Mesquite Flour Constituents | LC-GC North America Special Issues | 2016 | 10 | 28-31 |
| J.C. Evans, C. Trujillo, Z. Wang, H. Eoh, S. Ehrt, D. Schnappinger, H.I.M. Boshoff, K.Y. Rhee, C.E. Barry III, V. Mizrahi | Validation of CoaBC as a bactericidal target in the coenzyme A pathway of Mycobacterium tuberculosis | ACS Infectious Diseases | 2016 | 2 | 958-968 |
| H. Grajek, Z. Witkiewicz, M. Purchała, W. Drzewiński | Liquid Crystals as Stationary Phases in Chromatography | Chromatographia | 2016 | | 1-29 |

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| Y. Kannan ¹ , J. Perez-Lloret, Y. Li ¹ , L.J. Entwistle, H. Khoury, S. Papoutsopoulou, R. Mahmood, N.R. Mansour, S.C. Huang, E.J. Pearce, L.P.S. de Carvalho, S.C. Ley, M.S. Wilson | TPL-2 Regulates Macrophage Lipid Metabolism and M2 Differentiation to Control TH2-Mediated Immunopathology | PLOS Pathogens | 2016 | 12(8) | 1-26 |
| E. Cífková, R. Hájek, M. Lísa, M. Holčapek | HILIC/ESI-MS Separation of acidic and other lipid classes using hydride column | HPLC 2016 poster | 2016 | N/A | N/A |
| C. Kulsing, Y. Yang, R. Sepehrifar, M. Lim, J. Toppete, M.T. Matyska, J.J. Pesek, R.I. Boysen, M.T.W. Hearn | Investigations into the separation behaviour of perfluorinated C8 and Undecanoic acid modified silica hydride stationary phases | Analytica Chimica Acta | 2016 | 916 | 102-111 |
| J.E. Young | Advances in chromatographic analysis of foods and beverages: modern stationary phases for challenging compounds | Agro Food Industry Hi Tech | 2016 | 27 | 14-17 |
| J.J. Pesek, M.T. Matyska, M. Sieng, L. Doan | Analysis of Capsaicinoids in Hot Sauces Using a Silica Hydride-Based Stationary Phase | Current Chromatography | 2016 | 3 | 12-16 |

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| <p>J.E. Young, J.J. Pesek, M.T. Matyska</p> | <p>Robust HPLC-Refractive Index Analysis of Simple Sugars in Beverages using Silica Hydride Columns</p> | <p>Current Nutrition & Food Science</p> | <p>2016</p> | <p>12</p> | <p>125-131</p> |
| <p>J.J. Pesek, M.T. Matyska, B. Modereger, A. Hasbun, V.T. Phan, Z. Mehr, M. Guzman, S. Watanable</p> | <p>The separation and analysis of symmetric and asymmetric dimethylarginine and other hydrophilic isobaric compounds using Aqueous Normal Phase Chromatography</p> | <p>J. Chromatogr. A.</p> | <p>2016</p> | <p>1441</p> | <p>52-59</p> |
| <p>J.E. Young, M.V. Lim, J. Topete, H. Hang, M. Gahol, J.J. Pesek, M.T. Matyska</p> | <p>Improved Sensitivity and Specificity for trans-Resveratrol in Red Wine Analysis with HPLC-UV and LC-MS</p> | <p>LC GC N. Am.</p> | <p>2016</p> | <p>34</p> | <p>206-213</p> |
| <p>E. Cífková, R. Hájek, M. Lísa, M. Holčapek</p> | <p>Hydrophilic interaction liquid chromatography-mass spectrometry of (lyso)phosphatidic acids, (yso)phosphatidylserines and other lipid classes</p> | <p>J. Chromatogr. A.</p> | <p>2016</p> | <p>1439</p> | <p>65-73</p> |

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