

Literature References Bibliography for Cogent TYPE-C HPLC Publications 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
	The Use of Single or Serially Coupled Columns and the Effect of Organic Modifier for the Separation of Constitutional Isomers of the Synthetic Cannabinoid JWH 018 Development of an HPLC- Light Scattering Method for the Quantification of Dicyclohexylamine in Beeswax	Journal of Separation Science	October 2025	Volume 48,	e70286 Issue10
Jerimiah J. Seba, Walter F. Rowe, Ira S. Lurie					
Joseph J. Pesek, Maria T. Matyska, Tanya Hiltz, Jason Hall		Separation Science Plus	27 May 2025	Volume 8, Issue 6	e70081
	Utility of 'Flip-Flop' Chromatography Employing Silica Hydride Stationary Phases with Simultaneous Photodiode Array Ultraviolet and Single Quadrupole Mass Detection for the Analysis of Seized Drugs	Journal of Chromatography	September 2023	1707	
Appia-Kusi, Volda and Lurie, Ira S., Jason G. Dumelie, Qiuying Chen, Dawson Miller, Nabeel Attarwala, Steven S. Gross & Samie R. Jaffrey					
	Biomolecular condensates create phospholipid-enriched microenvironments	Nature chemical biology	2023		

Joseph J. Pesek, Maria T. Matyska, Tanya Hiltz, Gary Takeoka	Validation of an Aqueous Normal Phase Chromatography Method for the Analysis of Ergothioneine in Commercial Mushrooms	LCGC North America	2023	41	341– 344, 349
Joseph J. Pesek, Maria T. Matyska, Tanya Hiltz, Jennifer McCall Bugajev Viktor, Halova Ivana, Demkova Livia, Cernohouzova Sara, Vavrova Petra, Mrkacek Michal, Utekal	Application of a Cholesterol-Based Stationary Phase for the Analysis of Brevetoxins ORMDL2 Deficiency Potentiates the ORMDL3- Dependent Changes in Mast Cell Signaling	Journal of Separation Science Frontiers in Immunology	2022 2021	46 11	2200666 591975
Pesek JJ, Matyska MT, Tardiff E, Hiltz T.	Chromatographic characterization of a silica hydride-based amide stationary phase. Silica Hydride: A Separation Material Every Analyst Should Know About. 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 The utility of silica hydride-based stationary phases for dual-mode ultra high performance liquid chromatography separation of synthetic cathinone positional isomers	Journal of Separation Science Molecules	2021 2021	14 26	2728- 2734 7505
Marisa C. May, David C. Pavone, Dr. Ira S. Lurie		Journal of Separation Science	2020	43	1–9
Carly Ploumen, Ioan Marginean, Ira S. Lurie		Journal of Separation Science	2020	43	1–9
P. Jandera, T. Hájek	Mobile phase effects on the retention on polar columns with special	Journal of Separation Science	2018	41	145- 162

	attention to the dual hydrophilic interaction–reversed-phase liquid chromatography mechanism, a review				
	Investigation of the temperature dependence				
E. Bartó, A. Felinger, P. Jandera	of water adsorption on silica-based stationary phases in hydrophilic interaction liquid chromatography	Journal of Chromatography A	2017	1489	143–148
	Silica Hydride-Based Packing Materials: HPLC Stationary Phases for a Global Approach to Complex Sample Analysis				
J.J. Pesek, M.T. Matyska	Silica hydride based phases for small molecule separations using automated liquid chromatography–mass spectrometry method development	Current Chromatography	2017	4	1-10
D.K. Appulage, K.A. Schug		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
	Quantitative Analysis of Uric Acid Metabolites in Urine by High Performance Liquid Chromatography - Mass Spectrometry using Silica Hydride Columns				
J.E. Young, J.J. Pesek, M.T. Matyska, B. Sanchez, B. White	Liquid chromatography-electrospray ionization mass spectrometry for the simultaneous quantitation of collagen and elastin crosslinks	Current Chromatography	2017	4	51-57
R. Naffa, G. Holmes, M. Ahn, D. Harding, G. Norris		Journal of Chromatography A	2016	1478	60-67

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. Ehrtd. 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
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. Lída, M. Holčápek	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
J.E. Young, J.J. Pesek, M.T. Matyska	Robust HPLC-Refractive Index Analysis of Simple Sugars in Beverages using Silica Hydride Columns	Current Nutrition & Food Science	2016	12	125-131
J.J. Pesek, M.T. Matyska, B. Moderegger, A. Hasbun, V.T. Phan, Z. Mehr, M. Guzman, S. Watanable	The separation and analysis of symmetric and asymmetric dimethylarginine and other hydrophilic isobaric compounds using Aqueous Normal Phase Chromatography	J. Chromatogr. A.	2016	1441	52-59
J.E. Young, M.V. Lim, J. Topete, H. Hang, M. Gahol, J.J. Pesek, M.T. Matyska	Improved Sensitivity and Specificity for trans-Resveratrol in Red Wine Analysis with HPLC-UV and LC-MS	LC GC N. Am.	2016	34	206-213
E. Cífková, R. Hájek, M. Lísa, M. Holčápek	Hydrophilic interaction liquid chromatography–mass spectrometry of (lyso)phosphatidic acids, (yso)phosphatidylserines and other lipid classes	J. Chromatogr. A.	2016	1439	65-73
J. Pesek, M. Matyska, A. Jimena, J. Juan, A. Jo, B. Berioso	Analysis of glucosamine using aqueous normal phase chromatography	Food Sci. Technol.	2016	65	777-782
J.J. Kamphorst, M. Nofal, C. Commisso, S.R.	Human Pancreatic Cancer Tumors Are Nutrient Poor and Tumor	Cancer Research	2015	75	544-553

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E. Grabocka,	Extracellular Protein				
M.G. Vander					
Heiden, G.					
Miller, J.A.					
Drebin, D. Bar-					
Sagi, C.B.					
Thompson, J.D.					
Rabinowitz	Metabolomics Batch Data				
Y. Dai, S.M.	Analysis Workflow to	Agilent Application Note	2015	N/A	1-8
Fischer	Characterize Differential				
	Metabolites in Bacteria				
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E.M. Borges	Silica Stationary Phases	J. Chromatogr. Sci.	2015	53	580-597
	for Liquid				
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	Determination of				
A. Dang, M.	Bisphenol A in Receipts				
Sieng, J.J.	and Carbon	J. Liq. Chromatogr. & Rel	2015	38	438-442
Pesek, M.T.		Technol.			
Matyska	Paper by HPLC-UV				
J.J. Pesek, M.T.	Analysis of Capsaicinoids				
Matyska, M.	in Hot Sauces using a	Curr. Chromatogr.	2015	3	
Sieng, L. Doan	Silica Hydride-based				
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Y. Nolvachai, C.	performance of different				
Kulsing, R.I.	silica hydride particles for				
Boysen, M.T.	the solid-phase extraction				
Matyska, J.J.	of non-volatile analytes	Food Chem.	2015	174	434-439
Pesek, P.J.	from dark chocolate with				
Marriott, M.T.W.	analysis by gas				
Hearn	chromatography–				
	quadrupole mass				
	spectrometry				
	Analysis of ethyl				
J. Pesek, M.	glucuronide and ethyl				
Matyska, A.	sulfate using aqueous	J. Sep. Sci.	2015	38	1515-
Dang	normal-phase				1520
	chromatography with				
	mass spectrometry				

J. Pesek, M. Matyska, N. Salehi	Evaluation of Stationary Phases Made by Hydrosilation of Alkynes on Silica Hydride	Curr. Chromatogr.	2015	2	41-47
J. Pesek, M. Matyska	Ammonium fluoride as a mobile phase additive in <u>aqueous normal phase</u> chromatography	J. Chromatogr. A.	2015	1401	69-74
J.E. Young, M.T. Matyska, J.J. Pesek	LC-MS-Compatible Approaches for the Quantitation of Limonin in Citrus Juice	LCGC N. Am.	2015	33	192-199
S. Rocchi, A. Rocco, J.J. Pesek, M.T. Matyska, D. Capitani, S. Fanali	Enantiomers separation by nano-liquid chromatography: Use of a novel sub-2 μ m vancomycin silica hydride stationary phase	J. Chromatogr. A.	2015	1381	149-159
C. Kulsing, Y. Nolvachai, P.J. Marriott, R.I. Boysen, M.T. Matyska, J.J. Pesek, M.T.W. Hearn	Insights into the Origin of the Separation Selectivity with Silica Hydride Adsorbents	J. Phys. Chem. B.	2015	119	3063-3069
C. Kulsing, Y. Yang, R.I. Boysen, M.T. Matyska, J.J. Pesek, M.T.W. Hearn	Role of electrostatic contributions in the separation of peptides with silica hydride stationary phases	Analytical Methods	2015	7	1578-1585
C. Kulsing, Y. Yang, R.I. Boysen, M.T. Matyska, J.J. Pesek, M.T.W. Hearn	Prediction of the zeta potentials and ionic descriptors of a silica hydride stationary phase with mobile phases of different pH and ionic strength	Anal. Chim. Acta	2015	859	79-86
C. Kulsing, Y. Yang, C. Munera, C. Tse, M.T. Matyska, J.J. Pesek, R.I.	Correlations between the zeta potentials of silica hydride-based stationary phases, <u>analyte</u> retention	Anal. Chim. Acta	2014	817	48-60

Boysen, M.T.W.	behaviour and their ionic				
Hearn	interaction descriptors				
	Hydride-based HPLC				
J.J. Pesek, R.I.	stationary phases: A				
Boysen, M.T.W.	rapidly evolving	Analytical Methods	2014	6	4496-
Hearn, M.T.	technology for the				4503
Matyska	development of new bio-analytical methods				
S. Bocian, G.	Study of hydration				
Rychlicki, M.T.	process on silica hydride				
Matyska, J.J.	surfaces by micro-	J. Colloid Interface Sci.	2014	416	161-166
Pesek, B.	calorimetry and water				
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E.Y. Santali, D.	A Comparison of Silica C				
Edwards, O.B.	and Silica Gel in HILIC				
Sutcliffe, S.	Mode:	Chromatographia	2014	77	873-881
Bailes, M.R.	The Effect of Stationary				
Euerby, D.G.	Phase Surface Area				
Watson					
J.J. Pesek, M.T.	Analysis of thiopurines				
Matyska,	using <u>aqueous normal</u>	J. Pharm. Biomed. Anal.	2014	95	102-106
J.E.Young	<u>phase</u> chromatography				
J.E. Young, M.T.	Why development of new				
Matyska, J.J.	HPLC column technology	Chimica Oggi.	2014	32	8-12
Pesek	is still alive				
	Quick, Easy and Reliable				
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N. Byrd	Food Using the Agilent	Agilent Application Note	2013	N/A	1-4
	6490 Triple Quadrupole				
	LC/MS with Jet Stream				
	Technology				
	Compound Identification,				
S. Jenkins, S.M.	Profiling and Pathway				
Fischer, T.R.	Analysis of the Yeast	Agilent Application Note	2013	N/A	1-10
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A. Marcobal, P.C					
Kashyap, T.A.	A metabolomic view of				
Nelson, P.A.	how the human gut				
Aronov, M.S.	microbiota impacts the	ISME J.	2013	7	1933-
Donia, A.	host metabolome using				1943
Spormann, M.A.	humanized and				
Fischbach, J.L.	gnotobiotic mice				
Sonnenburg					

	High Performance Liquid Chromatographic Approaches to Mass Spectrometry Based Metabolomics	Current Metabolomics	2013	1	58-83
Tong Zhang and David G. Watson					
Y. Yang, R.I. Boysen, C.	Analysis of polar peptides using a silica hydride column and high aqueous content mobile phases	J. Sep. Sci.	2013	36	3019-3025
Kulsing, M.T. Matyska, J.J. Pesek, M.T. W. Hearn					
J.J. Pesek, M.T. Matyska, A.M. Kim	Evaluation of stationary phases based on silica hydride for the analysis of drugs of abuse	J. Sep. Sci.	2013	36	2760-2766
R. Le, J.E. Young, J.J. Pesek, M.T. Matyska	Separation of 1,3-dimethylamylamine and other polar compounds in a dietary supplement formulation using <u>aqueous normal phase</u> chromatography with MS	J. Sep. Sci.	2013	36	2578-2583
Y. Yang, M.T. Matyska, R.I. Boysen, J.J. Pesek, M.T. W. Hearn	Simultaneous separation of hydrophobic and polar bases using a silica hydride stationary phase	J. Sep. Sci.	2013	36	1209-1216
H. Yeman, T. Nicholson, M.T. Matyska, J.J. Pesek, K. Albert	Simulation of the chromatographic separation process in HPLC employing suspended-state NMR spectroscopy - Comparison of interaction behavior for monomeric and hydride-modified C18 stationary phases	J. Sep. Sci.	2013	36	173-181
A. Dang, J.J. Pesek, M.T. Matyska	The use of <u>aqueous normal phase</u> chromatography as an analytical tool for food analysis: Determination of histamine as a model system	Food Chem.	2013	141	4226-4230

J.E. Young, H.N.	LC-MS-Compatible				
Nguyen, M.T.	separation of polar	LCGC N. Am.	2013	31	144-157
Matyska, J.J.	compounds using silica				
Pesek,	hydride columns				
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J. E. Young,	Among Phenyl Hydride,				
M.T. Matyska,	Undecanoyl Cholesterol,	J. Liq. Chromatogr. & Rel	2013	36	926-942
A.K. Azad, S.E.	and Bidentate C8	Technol.			
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	Methods of Tetracyclines				
J.J. Pesek, M.T.	Aqueous normal-phase				
Matyska, R.I.	chromatography using	Trends Anal. Chem.	2013	42	64-73
Boysen, Y. Yang,	silica-hydride-based				
M.T.W. Hearn	stationary phases				
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	and Personal Compound				
S. Jenkins, S.M.	Database and Library				
Fischer, T.R.	Software Facilitate	Agilent Application Note	2012	N/A	1-12
Sana	Compound Identification				
	for Profiling of the Yeast				
	Metabolome				
	A New Approach to				
	Bioanalysis: <u>Aqueous</u>				
J.J. Pesek, M.T.	<u>Normal</u>	Bioanalysis	2012	4	845-853
Matyska	<u>Phase</u> Chromatography				
	with Silica Hydride				
	Stationary Phases				
	Analysis of cycloserine				
	and related compounds				
J.J. Pesek, M.T.	using <u>Aqueous Normal</u>	J. Pharm. Biomed. Anal.	2012	64	72-76
Matyska, A.	<u>Phase</u>				
Dang	<u>Chromatography/Mass</u>				
	<u>Spectrometry</u>				
R. MacNeill, R.	Silica hydride-based				
Stromeyer, B.	chromatography of LC–				
Urbanowicz, V.	MS response-altering	Bioanalysis	2012	4	2877-2886
Acharya, M.	compounds native to				
Moussallie, J.J.	human plasma				
Pesek					
H. Yeman, T.	Time-dependent column	J. Sep. Sci.	2012	35	1582-1588
Nicholson, V.	performance of				
Friebolin, L.	cholesterol-based				
Steinhauser,	stationary phases for				
M.T. Matyska,	HPLC by LC				

J.J. Pesek, K. Albert	characterization and solid-state NMR spectroscopy				
S. Bocian, J. Soukup, M. Matyska, J. Pesek, P. Jandera, B. Buszewski	The influence of the organic modifier in hydro-organic mobile phase on separation selectivity of steroid hormones	J. Chromatogr. A.	2012	1245	90-97
B. Buszewski, S. Bocian, G. Rychlicki, M. Matyska, J. Pesek A.D.	separation using cholesterol-bonded stationary phases				
B. Buszewski, S. Bocian, G. Rychlicki, M. Matyska, J. Pesek A.D.	Determination of accessible silanols groups on silica gel surfaces using micro calorimetric measurements	J. Chromatogr. A.	2012	1232	43-46
Panopoulos, O. Yanes, S. Ruiz, Y. Kida, D. Diep, R. Tautenhahn, A. Herrerías, E.M. Batchelder, N. Plongthongkum, M. Lutz, W.T. Berggren, K. Zhang, R.M. Evans, G. Siuzdak, J.C.I. Belmonte					
D. Ryan, K. Robards, P.D. Prenzler, M. Kendall	The metabolome of induced pluripotent stem cells reveals metabolic changes occurring in somatic cell reprogramming	Cell Res.	2012	22	168-177
D. Ryan, K. Robards, P.D. Prenzler, M. Kendall	Recent and potential developments in the analysis of urine: A review	Analytica Chimica Acta	2011	684	17-29
J.E. Young, M.T. Matyska, J.J. Pesek	Liquid Chromatography/Mass Spectrometry Compatible Approaches for the Quantitation of Folic Acid in Fortified Juices and Cereals using Aqueous Normal Phase Conditions	J. Chromatogr. A	2011	1218	2121-2126
J.J. Pesek, M.T. Matyska, P. Lee	Synthesis of a Preparative C30 Stationary Phase on a Silica Hydride Surface	J. Liq. Chromatogr. & Rel Technol.	2011	34	231-240

	and its Application to Carotenoid Separation				
J.J. Pesek and M.T. Matyska	<u>Aqueous Normal</u> <u>Phase Chromatography</u> . The Bridge between Reversed-Phase and HILIC	Hydrophilic Interaction Chromatography (HILIC) and Advanced Applications, P.G. Wang, W. He, eds.	2011	N/A	26-Jan
S. Bocian, M. Matyska, J. Pesek, B. Buszewski	Study of solvation processes on cholesterol bonded phases	J. Chromatogr. A	2011	1218	441-448
R.I. Boysen, Y. Yang, J.	Simultaneous separation of hydrophobic and				
Chowdhury, M.T. Matyska, J.J. Pesek, M.T.W. Hearn	hydrophilic peptides with a silica hydride stationary phase using <u>aqueous</u> <u>normal phase</u> conditions	J. Chromatogr. A	2011	1218	8021- 8026
J.J. Pesek, M.T. Matyska, S.M. Fischer	Improvement of Peak Shape in <u>Aqueous Normal</u> <u>Phase</u> Analysis of Anionic Metabolites	J. Sep. Sci.	2011	34	3509- 3516
J.J. Pesek, M.T. Matyska, M. Nshanian	Open-tubular capillary electro-chromatography of small polar molecules using etched, chemically modified capillaries	Electrophoresis	2011	32	1728- 1734
J.E. Young, M.T. Matyska, J.J. Pesek	Liquid chromatography/mass spectrometry compatible approaches for the quantitation of folic acid in fortified juices and cereals using <u>aqueous normal</u> <u>phase</u> conditions				
J.J. Pesek, M.T. Matyska, J. Duley, M. Zamzami, S.M. Fischer	<u>Aqueous Normal</u> <u>Phase</u> (ANP) Retention of Nucleotides on Silica Hydride-Based Columns. Method Development Strategies for Analytes Relevant in Clinical Analysis	J. Chromatogr. A. J. Sep. Sci.	2011 2010	1218 33	2121- 2126 930-938
J.J. Pesek, M.T. Matyska, K. Prajapati	Synthesis and Evaluation of Silica Hydride-Based	J. Sep. Sci.	2010	33	2908- 2916

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J.J. Pesek, M.T. Matyska	Recent Developments in Type C Stationary Phases: Exploiting the Versatility of Silica Hydride Materials	Chromatography Today	2010	3	24-26
J.J. Pesek, M.T. Matyska	Silica Hydride: Chemistry and Applications	Advances in Chromatography, Grushka, E., Grinberg, N., eds	2010	N/A	255-288
J.J. Pesek, M.T. Matyska, J. Duley, M. Zamzami, S.M. Fischer	<u>Aqueous normal phase</u> (ANP) retention of nucleotides on silica hydride-based columns. Method development strategies for analytes relevant in clinical analysis	J. Sep. Sci.	2010	33	930-938
D.L. Callahan, D. De Souza, A. Bacic, U. Roessner	Profiling of polar metabolites in biological extracts using diamond hydride-based <u>aqueous normal phase</u> chromatography.	J. Sep. Sci.	2009	32	2273-2280
J.J. Pesek, M.T. Matyska, M.T.W. Hearn, R.I. Boysen	<u>Aqueous Normal Phase</u> retention of nucleotides on Silica Hydride columns	J. Chromatogr. A	2009	1216	1140-1146
V. Freibolin, M.P. Bayer, M.T. Matyska, J.J. Pesek, K. Albert	¹ H HR/MAS NMR in the suspended state: Molecular recognition processes in liquid chromatography between steroids and a silica hydride-based cholesterol phase	J. Sep. Sci.	2009	32	1722-1728
J.J. Pesek, M.T. Matyska, J.A. Loo, S.M.	Analysis of Hydrophilic Metabolites in Physiological Fluids by HPLC-MS using a Silica	J. Sep. Sci.	2009	32	2200-2208

Fischer, T.R. Sana	Hydride-Based Stationary Phase				
J.J. Pesek, M.T. Matyska	Our Favorite Materials: Silica Hydride Stationary Phases	J. Sep. Sci.	2009	32	3999- 4011
M.T. Matyska, J.J. Pesek, G. Shetty	Type C Amino Columns for Affinity and <u>Aqueous</u> <u>Normal</u> <u>Phase</u> Chromatography: Synthesis and HPLC Evaluation	J. Liq. Chromatogr. & Rel Technol.	2009	33	1-26
J.J. Pesek, M.T. Matyska, A. Sharma	Use of Hydride-Based Separation Materials for Organic Normal Phase Chromatography Capillary Liquid Chromatography and Capillary	J. Liq. Chromatogr. & Rel Technol.	2008	31	134-147
J.J. Pesek, M.T. Matyska, D. Sukul	Electrochromatography using Silica Hydride Stationary Phases Analysis of hydrophilic metabolites by high- performance liquid	J. Chromatogr. A	2008	1191	136-140
J.J. Pesek, M.T. Matyska, S.M. Fischer, T.R. Sana	chromatography - mass spectrometry using a silica hydride-based stationary phase	J. Chromatogr. A	2008	1204	48-55
J.J. Pesek, M.T. Matyska, S. Larrabee	HPLC Retention Behavior on Hydride-Based Stationary Phases	J. Sep. Sci.	2007	30	637-647
J.J. Pesek, M.T. Matyska, M.T.W. Hearn, R.I. Boysen	Temperature effects on solute retention for hydride-based stationary phases A Comparison of Two	J. Sep. Sci.	2007	30	1150- 1157
J.J. Pesek, M.T. Matyska	Separation Modes: HILIC and <u>Aqueous Normal</u> <u>Phase</u> Chromatography How to Retain Polar and Nonpolar Compounds on the same HPLC Column with an Isocratic Mobile Phase	LCGC	2007	25	480-490
J.J. Pesek, M.T. Matyska		LCGC	2006	24	296-303

	Silica Hydride Surfaces:				
J.J. Pesek, M.T. Matyska	Versatile Separation Media for Chromatographic and Electrophoretic Analyses One Stationary Phase, Three Modes of	J. Liq. Chromatogr. & Rel Technol.	2006	29	1105-1124
J.J. Pesek, M.T. Matyska	Separation: Reversed Phase and Normal Phase Separations on the Same Column Hydride-based Silica Stationary Phases for	International Labmate	2006	31	2-3
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J. Pesek, M. Matyska, L. Dalal	Evaluation of Hydride-Based Stationary Phases for LC/MS Hydride-Based Separation Materials for	Chromatographia	2005	62	595-601
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