

Tohru Ikegami

List of Publications by Year in descending order

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54
papers

4,087
citations

147726

31
h-index

175177

52
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56
all docs

56
docs citations

56
times ranked

2476
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Functionalization using polymer or silane? A practical test method to characterize hydrophilic interaction chromatography phases in terms of their functionalization method. <i>Journal of Chromatography A</i> , 2021, 1638, 461850. | 1.8 | 13 |
| 2 | Comparison of the steric selectivity on hydrophilic interaction chromatography columns modified with poly(acrylamide) possessing different morphology. <i>Journal of Chromatography A</i> , 2021, 1650, 462207. | 1.8 | 5 |
| 3 | Retention characteristics of poly(N-(1H-tetrazole-5-yl)-methacrylamide)-bonded stationary phase in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2020, 1609, 460500. | 1.8 | 8 |
| 4 | A selective comprehensive reversed-phase—reversed-phase 2D-liquid chromatography approach with multiple complementary detectors as advanced generic method for the quality control of synthetic and therapeutic peptides. <i>Journal of Chromatography A</i> , 2020, 1627, 461430. | 1.8 | 21 |
| 5 | Separation of carbohydrate isomers and anomers on poly-N-(1H-tetrazole-5-yl)-methacrylamide-bonded stationary phase by hydrophilic interaction chromatography as well as determination of anomer interconversion energy barriers. <i>Journal of Chromatography A</i> , 2020, 1620, 460981. | 1.8 | 12 |
| 6 | The relationship between polymer structures on silica particles and the separation characteristics of the corresponding columns for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2020, 1618, 460837. | 1.8 | 9 |
| 7 | Fragment-based Design of Zwitterionic, Strong Cation- and Weak Anion-Exchange Type Mixed-mode Liquid Chromatography Ligands and their Chromatographic Exploration. <i>Journal of Chromatography A</i> , 2020, 1621, 461075. | 1.8 | 16 |
| 8 | Hydrophilic interaction chromatography for the analysis of biopharmaceutical drugs and therapeutic peptides: A review based on the separation characteristics of the hydrophilic interaction chromatography phases. <i>Journal of Separation Science</i> , 2019, 42, 130-213. | 1.3 | 50 |
| 9 | Method optimization of hydrophilic interaction chromatography separation of nucleotides using design of experiment approaches I: Comparison of several zwitterionic columns. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 307-316. | 1.4 | 13 |
| 10 | High-performance liquid chromatographic separation of 8-aminopyrene-1,3,6-trisulfonic acid labeled N-glycans using a functional tetrazole hydrophilic interaction liquid chromatography column. <i>Journal of Chromatography A</i> , 2018, 1566, 44-50. | 1.8 | 9 |
| 11 | Recent Progress in Monolithic Silica Columns for High-Speed and High-Selectivity Separations. <i>Annual Review of Analytical Chemistry</i> , 2016, 9, 317-342. | 2.8 | 36 |
| 12 | Monolithic Columns in Fast Liquid Chromatography. , 2015, , 57-107. | | 0 |
| 13 | Immobilized β -cyclodextrin-based silica vs polymer monoliths for chiral nano liquid chromatographic separation of racemates. <i>Talanta</i> , 2015, 132, 301-314. | 2.9 | 43 |
| 14 | Hydrophilic Interaction Chromatography Using a Meter-Scale Monolithic Silica Capillary Column for Proteomics LC-MS. <i>Analytical Chemistry</i> , 2014, 86, 3817-3824. | 3.2 | 54 |
| 15 | Estimation and optimization of the peak capacity of one-dimensional gradient high performance liquid chromatography using a long monolithic silica capillary column. <i>Journal of Chromatography A</i> , 2012, 1228, 283-291. | 1.8 | 47 |
| 16 | MIXED-MODE MONOLITHIC SILICA AS A CHROMATOGRAPHIC SEPARATION MEDIUM. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 500-510. | 0.5 | 3 |
| 17 | Monolithic silica rod columns for high-efficiency reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 1988-1994. | 1.8 | 32 |
| 18 | Recent advances in silica-based monoliths: Preparations, characterizations and applications. <i>Journal of Separation Science</i> , 2011, 34, 1945-1957. | 1.3 | 39 |

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|----|--|-----|-----------|
| 19 | New silica monolith bonded chiral (R)-butyrolactone for enantioselective micro high-performance liquid chromatography. <i>Chirality</i> , 2011, 23, 887-890. | 1.3 | 17 |
| 20 | Chromatographic characterization of hydrophilic interaction liquid chromatography stationary phases: Hydrophilicity, charge effects, structural selectivity, and separation efficiency. <i>Journal of Chromatography A</i> , 2011, 1218, 5903-5919. | 1.8 | 168 |
| 21 | The performance of hybrid monolithic silica capillary columns prepared by changing feed ratios of tetramethoxysilane and methyltrimethoxysilane. <i>Journal of Chromatography A</i> , 2010, 1217, 89-98. | 1.8 | 77 |
| 22 | One-Dimensional Capillary Liquid Chromatographic Separation Coupled with Tandem Mass Spectrometry Unveils the <i>Escherichia coli</i> Proteome on a Microarray Scale. <i>Analytical Chemistry</i> , 2010, 82, 2616-2620. | 3.2 | 131 |
| 23 | Selectivity comparisons of monolithic silica capillary columns modified with poly(octadecyl) chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 5868-5874. | 1.8 | 8 |
| 24 | Improvement of separation efficiencies of anion-exchange chromatography using monolithic silica capillary columns modified with polyacrylates and polymethacrylates containing tertiary amino or quaternary ammonium groups. <i>Journal of Chromatography A</i> , 2009, 1216, 7394-7401. | 1.8 | 18 |
| 25 | Field Enhanced Sample Injection for the CE Determination of Arsenic Compounds Using Successive Multiple Ionic Polymer Layer Coated Capillaries. <i>Chromatographia</i> , 2009, 69, 1437-1441. | 0.7 | 14 |
| 26 | Highly efficient analysis of underivatized carbohydrates using monolithic-silica-based capillary hydrophilic interaction (HILIC) HPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2533-2542. | 1.9 | 96 |
| 27 | Anion exchange silica monolith for capillary liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2551-2556. | 1.9 | 12 |
| 28 | Separation efficiencies in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2008, 1184, 474-503. | 1.8 | 395 |
| 29 | High-Efficiency Liquid Chromatographic Separation Utilizing Long Monolithic Silica Capillary Columns. <i>Analytical Chemistry</i> , 2008, 80, 8741-8750. | 3.2 | 132 |
| 30 | Anion- and Cation-Exchange MicroHPLC Utilizing Poly(methacrylates)-coated Monolithic Silica Capillary Columns. <i>Analytical Sciences</i> , 2007, 23, 109-113. | 0.8 | 26 |
| 31 | Preparation of high efficiency and highly retentive monolithic silica capillary columns for reversed-phase chromatography by chemical modification by polymerization of octadecyl methacrylate. <i>Journal of Chromatography A</i> , 2007, 1156, 35-44. | 1.8 | 70 |
| 32 | Highly efficient monolithic silica capillary columns modified with poly(acrylic acid) for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2007, 1164, 198-205. | 1.8 | 78 |
| 33 | Study of a monolithic silica capillary column coated with poly(octadecyl methacrylate) for the reversed-phase liquid chromatographic separation of some polar and non-polar compounds. <i>Journal of Chromatography A</i> , 2007, 1175, 7-15. | 1.8 | 42 |
| 34 | Preparation of highly efficient monolithic silica capillary columns for the separations in weak cation-exchange and HILIC modes. <i>Journal of Proteomics</i> , 2007, 70, 31-37. | 2.4 | 41 |
| 35 | Performance of Monolithic Silica Capillary Columns with Increased Phase Ratios and Small-Sized Domains. <i>Analytical Chemistry</i> , 2006, 78, 7632-7642. | 3.2 | 150 |
| 36 | Properties of Monolithic Silica Columns for HPLC. <i>Analytical Sciences</i> , 2006, 22, 491-501. | 0.8 | 80 |

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|----|---|-----|-----------|
| 37 | Two-dimensional reversed-phase liquid chromatography using two monolithic silica C18 columns and different mobile phase modifiers in the two dimensions. <i>Journal of Chromatography A</i> , 2006, 1106, 112-117. | 1.8 | 87 |
| 38 | Faster axial band dispersion in a monolithic silica column than in a particle-packed column. <i>Journal of Chromatography A</i> , 2006, 1109, 2-9. | 1.8 | 52 |
| 39 | HILIC mode separation of polar compounds by monolithic silica capillary columns coated with polyacrylamide. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 578-585. | 1.9 | 82 |
| 40 | Silica monolithic membrane as separation medium. <i>Journal of Chromatography A</i> , 2005, 1073, 123-126. | 1.8 | 9 |
| 41 | An Application of Silica-Based Monolithic Membrane Emulsification Technique for Easy and Efficient Preparation of Uniformly Sized Polymer Particles. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 753-758. | 1.7 | 9 |
| 42 | Simple 2D-HPLC using a monolithic silica column for peptide separation. <i>Journal of Separation Science</i> , 2004, 27, 897-904. | 1.3 | 74 |
| 43 | How to utilize the true performance of monolithic silica columns. <i>Journal of Separation Science</i> , 2004, 27, 1292-1302. | 1.3 | 62 |
| 44 | Monolithic columns for high-efficiency HPLC separations. <i>Current Opinion in Chemical Biology</i> , 2004, 8, 527-533. | 2.8 | 96 |
| 45 | Simple and Comprehensive Two-Dimensional Reversed-Phase HPLC Using Monolithic Silica Columns. <i>Analytical Chemistry</i> , 2004, 76, 1273-1281. | 3.2 | 139 |
| 46 | Deuterium Isotope Effects on Hydrophobic Interactions: The Importance of Dispersion Interactions in the Hydrophobic Phase. <i>Journal of the American Chemical Society</i> , 2003, 125, 13836-13849. | 6.6 | 196 |
| 47 | Capillary Electrochromatography on Monolithic Silica Columns. <i>Analytical Sciences</i> , 2002, 18, 89-92. | 0.8 | 25 |
| 48 | Monolithic silica columns for high-efficiency separations by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 960, 85-96. | 1.8 | 209 |
| 49 | Monolithic silica columns for high-efficiency chromatographic separations. <i>Journal of Chromatography A</i> , 2002, 965, 35-49. | 1.8 | 478 |
| 50 | Monolithic silica columns with various skeleton sizes and through-pore sizes for capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 961, 53-63. | 1.8 | 270 |
| 51 | Monolithic Silica Columns for HPLC, Micro-HPLC, and CEC. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 111-116. | 2.0 | 299 |
| 52 | Isolation of Polychlorodibenzo-p-dioxins and Polychlorobiphenyls upon Deproteinization of a Serum Sample by HPLC with Restricted-Access Reversed-Phase Packing Materials. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 287-293. | 2.0 | 1 |
| 53 | Effects of Mobile-Phase Composition and Temperature on the Selectivity of Poly(N-isopropylacrylamide)-Bonded Silica Gel in Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , 1998, 70, 4086-4093. | 3.2 | 34 |
| 54 | Monolithic Columns and Their 2D-HPLC Applications. , 0, , 147-176. | | 0 |