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GEOCHEMISTRY ARTICLES – January 2018

Analytical Chemistry**Core-shell microspheres with porous nanostructured shells for liquid chromatography**

Ahmed, A., Skinley, K., Herodotou, S., Zhang, H., 2018. *Journal of Separation Science* 41, 99–124.
<http://dx.doi.org/10.1002/jssc.201700850>

Mass spectrometry for glycan biomarker discovery

Aizpurua-Olaizola, O., Sastre Toraño, J., Falcon-Perez, J.M., Williams, C., Reichardt, N., Boons, G.J., 2018. *TrAC Trends in Analytical Chemistry* 100, 7–14.
<http://www.sciencedirect.com/science/article/pii/S0165993617302698>

MSiReader v1.0: Evolving open-source mass spectrometry imaging software for targeted and untargeted analyses

Bokhart, M.T., Nazari, M., Garrard, K.P., Muddiman, D.C., 2018. *Journal of The American Society for Mass Spectrometry* 29, 8–16.
<https://doi.org/10.1007/s13361-017-1809-6>

Best-matched internal standard normalization in liquid chromatography–mass spectrometry metabolomics applied to environmental samples

Boysen, A.K., Heal, K.R., Carlson, L.T., Ingalls, A.E., 2017. *Analytical Chemistry* 90, 1363–1369.
<http://dx.doi.org/10.1021/acs.analchem.7b04400>

Mass spectrometry imaging: A review of emerging advancements and future insights

Buchberger, A.R., DeLaney, K., Johnson, J., Li, L., 2018. *Analytical Chemistry* 90, 240–265.
<http://dx.doi.org/10.1021/acs.analchem.7b04733>

Helium ion microscopy for imaging and quantifying porosity at the nanoscale

Burch, M.J., Ilev, A.V., Mahady, K., Hysmith, H., Rack, P.D., Belianinov, A., Ovchinnikova, O.S., 2018. *Analytical Chemistry* 90, 1370–1375.
<http://dx.doi.org/10.1021/acs.analchem.7b04418>

Mass spectrometry beyond the native state

Chandler, S.A., Benesch, J.L.P., 2018. *Current Opinion in Chemical Biology* 42, 130–137.
<https://www.sciencedirect.com/science/article/pii/S1367593117301709>

Ionic liquids: solvents and sorbents in sample preparation

Clark, K.D., Emaus, M.N., Varona, M., Bowers, A.N., Anderson, J.L., 2018. *Journal of Separation Science* 41, 209–235.
<http://dx.doi.org/10.1002/jssc.201700864>

Adding a new separation dimension to MS and LC–MS: What is the utility of ion mobility spectrometry?

D'Atri, V., Causon, T., Hernandez-Alba, O., Mutabazi, A., Veuthey, J.-L., Cianferani, S., Guilleme, D., 2018. *Journal of Separation Science* 41, 20–67.
<http://dx.doi.org/10.1002/jssc.201700919>

The role of graphene-based sorbents in modern sample preparation techniques

de Toffoli, A.L., Maciel, E.V.S., Fumes, B.H., Lanças, F.M., 2018. *Journal of Separation Science* 41, 288–302.
<http://dx.doi.org/10.1002/jssc.201700870>

Development of liquid chromatography high resolution mass spectrometry strategies for the screening of complex organic matter: Application to astrophysical simulated materials

Eddhif, B., Allavena, A., Liu, S., Ribette, T., Abou Mrad, N., Chiavassa, T., d'Hendecourt, L.L.S., Sternberg, R., Danger, G., Geffroy-Rodier, C., Poinot, P., 2018. *Talanta* 179, 238–245.
<http://www.sciencedirect.com/science/article/pii/S0039914017311360>

<http://dx.doi.org/10.1016/j.orggeochem.2018.01.011>

Atomic absorption spectrometry – A multi element technique

Ferreira, S.L.C., Bezerra, M.A., Santos, A.S., dos Santos, W.N.L., Novaes, C.G., de Oliveira, O.M.C., Oliveira, M.L., Garcia, R.L., 2018. *TrAC Trends in Analytical Chemistry* 100, 1–6.

<http://www.sciencedirect.com/science/article/pii/S0165993617304235>

Evaporative membrane modulation for comprehensive two-dimensional liquid chromatography

Fornells, E., Barnett, B., Bailey, M., Hilder, E.F., Shellie, R.A., Breadmore, M.C., 2018. *Analytica Chimica Acta* 1000, 303–309.

<https://www.sciencedirect.com/science/article/pii/S0003267017313314>

Ultrafast 2D NMR: Methods and applications

Gouilleux, B., Rouger, L., Giraudeau, P., 2018. In: Webb, G.A. (Ed.), *Annual Reports on NMR Spectroscopy*. Academic Press, pp. 75–144.

<http://www.sciencedirect.com/science/article/pii/S0066410317300315>

Investigating the effect of column geometry on separation efficiency using 3D printed liquid chromatographic columns containing polymer monolithic phases

Gupta, V., Beirne, S., Nesterenko, P.N., Paull, B., 2018. *Analytical Chemistry* 90, 1186–1194.

<http://dx.doi.org/10.1021/acs.analchem.7b03778>

Mass-spectrometry-based lipidomics

Hu, T., Zhang, J.-L., 2018. *Journal of Separation Science* 41, 351–372.

<http://dx.doi.org/10.1002/jssc.201700709>

Flow injection gas chromatography with sulfur chemiluminescence detection for the analysis of total sulfur in complex hydrocarbon matrixes

Hua, Y., Hawryluk, M., Gras, R., Shearer, R., Luong, J., 2018. *Journal of Separation Science* 41, 469–474.

<http://dx.doi.org/10.1002/jssc.201700897>

Validation of a simultaneous method for determining polycyclic aromatic compounds and alkylated isomers in biota

Idowu, I., Francisco, O., Thomas, P.J., Johnson, W., Marvin, C., Stetefeld, J., Tomy, G.T., 2018. *Rapid Communications in Mass Spectrometry* 32, 277–287.

<http://dx.doi.org/10.1002/rcm.8035>

Mobile phase effects on the retention on polar columns with special attention to the dual hydrophilic interaction–reversed-phase liquid chromatography mechanism, a review

Jandera, P., Hájek, T., 2018. *Journal of Separation Science* 41, 145–162.

<http://dx.doi.org/10.1002/jssc.201701010>

Mass spectrometry analysis in atmospheric chemistry

Laskin, J., Laskin, A., Nizkorodov, S.A., 2018. *Analytical Chemistry* 90, 166–189.

<http://dx.doi.org/10.1021/acs.analchem.7b04249>

Sampling and analyte enrichment strategies for ambient mass spectrometry

Li, X., Ma, W., Li, H., Ai, W., Bai, Y., Liu, H., 2018. *Analytical and Bioanalytical Chemistry* 410, 715–724.

<https://doi.org/10.1007/s00216-017-0658-2>

N-phenyl-2-naphthylamine as a novel MALDI matrix for analysis and in situ imaging of small molecules

Liu, H., Zhou, Y., Wang, J., Xiong, C., Xue, J., Zhan, L., Nie, Z., 2018. *Analytical Chemistry* 90, 729–736.

<http://dx.doi.org/10.1021/acs.analchem.7b02710>

Gradient design for liquid chromatography using multi-scale optimization

López-Ureña, S., Torres-Lapasió, J.R., Donat, R., García-Alvarez-Coque, M.C., 2018. *Journal of Chromatography A* 1534, 32–42.

<http://www.sciencedirect.com/science/article/pii/S0021967317318381>

Exploring the effects of sparsity constraint on the ranges of feasible solutions for resolution of GC-MS data

Mani-Varnosfaderani, A., Kanginejad, A., Yamini, Y., 2018. *Chemometrics and Intelligent Laboratory Systems* 173, 30–40.

<http://www.sciencedirect.com/science/article/pii/S0169743917305130>

A sediment extraction and cleanup method for wide-scope multitarget screening by liquid chromatography–high-resolution mass spectrometry

Massei, R., Byers, H., Beckers, L.-M., Prothmann, J., Brack, W., Schulze, T., Krauss, M., 2018. *Analytical and Bioanalytical Chemistry* 410, 177–188.

<https://doi.org/10.1007/s00216-017-0708-9>

Emerging materials for sample preparation

Maya, F., Palomino Cabello, C., Ghani, M., Turnes Palomino, G., Cerdà, V., 2018. *Journal of Separation Science* 41, 262–287.

<http://dx.doi.org/10.1002/jssc.201700836>

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