

Ekaterina Nesterenko

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4794535/ekaterina-nesterenko-publications-by-citations.pdf>
Version: 2024-04-05

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44 papers	798 citations	17 h-index	26 g-index
44 ext. papers	837 ext. citations	4.6 avg, IF	3.92 L-index

#	Paper	IF	Citations
44	3D printed metal columns for capillary liquid chromatography. <i>Analyst, The</i> , 2014 , 139, 6343-7	5	76
43	Zwitterionic ion-exchangers in ion chromatography: A review of recent developments. <i>Analytica Chimica Acta</i> , 2009 , 652, 3-21	6.6	70
42	Nano-particle modified stationary phases for high-performance liquid chromatography. <i>Analyst, The</i> , 2013 , 138, 4229-54	5	59
41	Porous layer open tubular columns in capillary liquid chromatography. <i>Analyst, The</i> , 2014 , 139, 1292-302	5	39
40	Porous graphitized carbon monolith as an electrode material for probing direct bioelectrochemistry and selective detection of hydrogen peroxide. <i>Analytical Chemistry</i> , 2012 , 84, 2351-7	7.8	39
39	Controlled ultraviolet (UV) photoinitiated fabrication of monolithic porous layer open tubular (monoPLOT) capillary columns for chromatographic applications. <i>Analytical Chemistry</i> , 2012 , 84, 3465-72	7.8	36
38	Micro-bore titanium housed polymer monoliths for reversed-phase liquid chromatography of small molecules. <i>Journal of Chromatography A</i> , 2010 , 1217, 2138-46	4.5	33
37	Electrodeposition of palladium nanoparticles on porous graphitized carbon monolith modified carbon paste electrode for simultaneous enhanced determination of ascorbic acid and uric acid. <i>Sensors and Actuators B: Chemical</i> , 2015 , 218, 280-288	8.5	27
36	Double gradient ion chromatography using short monolithic columns modified with a long chained zwitterionic carboxybetaine surfactant. <i>Journal of Chromatography A</i> , 2006 , 1109, 111-9	4.5	27
35	Microfluidic paper analytical device for the chromatographic separation of ascorbic acid and dopamine. <i>RSC Advances</i> , 2015 , 5, 93162-93169	3.7	26
34	Monolithic porous layer open tubular (monoPLOT) columns for low pressure liquid chromatography of proteins. <i>Analytical Methods</i> , 2011 , 3, 537-543	3.2	25
33	Versatile capillary column temperature control using a thermoelectric array based platform. <i>Analytical Chemistry</i> , 2011 , 83, 4307-13	7.8	24
32	Holistic visualisation of the multimodal transport and fate of twelve pharmaceuticals in biosolid enriched topsoils. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 287-296	4.4	22
31	Preparation, characterisation and modification of carbon-based monolithic rods for chromatographic applications. <i>Journal of Separation Science</i> , 2010 , 33, 1231-43	3.4	22
30	In-process phase growth measurement technique in the fabrication of monolithic porous layer open tubular (monoPLOT) columns using capacitively coupled contactless conductivity. <i>Analyst, The</i> , 2013 , 138, 2540-5	5	18
29	Functionalisation of mesoporous silica gel with 2-[(phosphonomethyl)-amino]acetic acid functional groups. Characterisation and application. <i>Applied Surface Science</i> , 2014 , 288, 373-380	6.7	17
28	Chelation ion chromatography of alkaline earth and transition metals a using monolithic silica column with bonded N-hydroxyethyliminodiacetic acid functional groups. <i>Journal of Chromatography A</i> , 2013 , 1276, 102-11	4.5	17

27	Separation of selected transition metals by capillary chelation ion chromatography using acetyl-iminodiacetic acid modified capillary polymer monoliths. <i>Journal of Chromatography A</i> , 2012 , 1249, 155-63	4.5	16
26	Fabrication of Bonded Monolithic Porous Layer Open Tubular (monoPLOT) Columns in Wide Bore Capillary by Laminar Flow Thermal Initiation. <i>Chromatographia</i> , 2013 , 76, 581-589	2.1	15
25	A colorimetric method for use within portable test kits for nitrate determination in various water matrices. <i>Analytical Methods</i> , 2017 , 9, 680-687	3.2	14
24	Comparison of electrochemical property between multiwalled carbon nanotubes and porous graphitized carbon monolith modified glassy carbon electrode for the simultaneous determination of ascorbic acid and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 731, 53-59	4.1	12
23	Infrared photo-initiated fabrication of monolithic porous layer open tubular (monoPLOT) capillary columns for chromatographic applications. <i>RSC Advances</i> , 2014 , 4, 28165-28170	3.7	11
22	Fast direct determination of strontium in seawater using high-performance chelation ion chromatography. <i>Microchemical Journal</i> , 2013 , 111, 8-15	4.8	11
21	Iminodiacetic acid functionalised organopolymer monoliths: application to the separation of metal cations by capillary high-performance chelation ion chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2207-17	4.4	11
20	New strategies for stationary phase integration within centrifugal microfluidic platforms for applications in sample preparation and pre-concentration. <i>Analytical Methods</i> , 2017 , 9, 1998-2006	3.2	10
19	Thermally controlled growth of carbon onions within porous graphitic carbon-detonation nanodiamond monolithic composites. <i>RSC Advances</i> , 2015 , 5, 22906-22915	3.7	10
18	Anion-exchange chromatography on short reversed-phase columns modified with amphoteric (N-dodecyl-N,N-dimethylammonio)alcanoates. <i>Journal of Chromatography A</i> , 2008 , 1178, 60-70	4.5	10
17	Flow gradient liquid chromatography using a coated anion exchange microcolumn. <i>Journal of Separation Science</i> , 2006 , 29, 228-35	3.4	10
16	Fabrication and characterization of nanotemplated carbon monolithic material. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8572-80	9.5	9
15	Ion-Chromatography Performance of Poly(Aspartic) Acid Bonded Silica with Various Pore Sizes at Different Ionic Strengths and Column Temperatures. <i>Mikrochimica Acta</i> , 2004 , 146, 103-110	5.8	9
14	Monolithic porous layer open tubular (monoPLOT) capillary columns for gas chromatography. <i>RSC Advances</i> , 2015 , 5, 7890-7896	3.7	8
13	Focussed ion beam serial sectioning and imaging of monolithic materials for 3D reconstruction and morphological parameter evaluation. <i>Analyst, The</i> , 2014 , 139, 99-104	5	8
12	Simultaneous separation of inorganic anions and metal-citrate complexes on a zwitterionic stationary phase with on-column complexation. <i>Journal of Chromatography A</i> , 2008 , 1213, 62-9	4.5	8
11	Hydrophobicity of polymer based anion-exchange columns for ion chromatography. <i>Heliyon</i> , 2021 , 7, e07290	3.6	8
10	A new N-hydroxyethyliminodiacetic acid modified core-shell silica phase for chelation ion chromatography of alkaline earth, transition and rare earth elements. <i>Journal of Chromatography A</i> , 2013 , 1321, 56-64	4.5	7

- | | | | |
|---|---|-----|---|
| 9 | Direct determination of transition metals in mussel tissue digests using high-performance chelation ion chromatography with monolithic silica based chelating ion exchangers. <i>Analytical Methods</i> , 2013 , 5, 2666 | 3.2 | 7 |
| 8 | Comparative metal distribution in scalp hair of Pakistani and Irish referents and hypertensive patients. <i>Biological Trace Element Research</i> , 2011 , 143, 1367-82 | 4.5 | 7 |
| 7 | Separation of nucleic acid precursors on an amphoteric surfactant modified monolith using combined eluent flow, pH and concentration gradient. <i>Journal of Separation Science</i> , 2007 , 30, 2910-6 | 3.4 | 6 |
| 6 | Comparative study of different polar adsorbents for adsorption of water soluble vitamins. <i>Adsorption</i> , 2020 , 26, 339-348 | 2.6 | 5 |
| 5 | Direct chromatographic separation and quantification of calcium and magnesium in seawater and sediment porewaters. <i>Limnology and Oceanography: Methods</i> , 2013 , 11, 466-474 | 2.6 | 4 |
| 4 | Solid-phase test reagent for determination of nitrite and nitrate. <i>Analytical Methods</i> , 2016 , 8, 6520-6528 | 3.2 | 4 |
| 3 | In Situ Measurement of Polymer Layer Thickness in Porous Layer Open Tubular (PLOT) Columns Using Optical Absorbance in the Near-IR Range. <i>Separations</i> , 2016 , 3, 34 | 3.1 | 1 |
| 2 | Enhanced organic species identification via laser structuring of carbon monolithic surfaces. <i>Applied Surface Science</i> , 2019 , 493, 829-837 | 6.7 | |
| 1 | Liquid Chromatography Monolithic Columns 2018 , 143-143 | | |