

# Ekaterina Nesterenko

## List of Publications by Year in Descending Order

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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	Hydrophobicity of polymer based anion-exchange columns for ion chromatography. <i>Heliyon</i> , <b>2021</b> , 7, e07290	3.6	8
43	Comparative study of different polar adsorbents for adsorption of water soluble vitamins. <i>Adsorption</i> , <b>2020</b> , 26, 339-348	2.6	5
42	Enhanced organic species identification via laser structuring of carbon monolithic surfaces. <i>Applied Surface Science</i> , <b>2019</b> , 493, 829-837	6.7	
41	Liquid Chromatography   Monolithic Columns <b>2018</b> , 143-143		
40	A colorimetric method for use within portable test kits for nitrate determination in various water matrices. <i>Analytical Methods</i> , <b>2017</b> , 9, 680-687	3.2	14
39	New strategies for stationary phase integration within centrifugal microfluidic platforms for applications in sample preparation and pre-concentration. <i>Analytical Methods</i> , <b>2017</b> , 9, 1998-2006	3.2	10
38	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> , <b>2016</b> , 3, 34	3.1	1
37	Solid-phase test reagent for determination of nitrite and nitrate. <i>Analytical Methods</i> , <b>2016</b> , 8, 6520-6528	3.2	4
36	Thermally controlled growth of carbon onions within porous graphitic carbon-detonation nanodiamond monolithic composites. <i>RSC Advances</i> , <b>2015</b> , 5, 22906-22915	3.7	10
35	Monolithic porous layer open tubular (monoPLOT) capillary columns for gas chromatography. <i>RSC Advances</i> , <b>2015</b> , 5, 7890-7896	3.7	8
34	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> , <b>2015</b> , 218, 280-288	8.5	27
33	Microfluidic paper analytical device for the chromatographic separation of ascorbic acid and dopamine. <i>RSC Advances</i> , <b>2015</b> , 5, 93162-93169	3.7	26
32	Functionalisation of mesoporous silica gel with 2-[(phosphonomethyl)-amino]acetic acid functional groups. Characterisation and application. <i>Applied Surface Science</i> , <b>2014</b> , 288, 373-380	6.7	17
31	Infrared photo-initiated fabrication of monolithic porous layer open tubular (monoPLOT) capillary columns for chromatographic applications. <i>RSC Advances</i> , <b>2014</b> , 4, 28165-28170	3.7	11
30	3D printed metal columns for capillary liquid chromatography. <i>Analyst, The</i> , <b>2014</b> , 139, 6343-7	5	76
29	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> , <b>2014</b> , 731, 53-59	4.1	12
28	Porous layer open tubular columns in capillary liquid chromatography. <i>Analyst, The</i> , <b>2014</b> , 139, 1292-3025		39

27	Focussed ion beam serial sectioning and imaging of monolithic materials for 3D reconstruction and morphological parameter evaluation. <i>Analyst, The</i> , <b>2014</b> , 139, 99-104	5	8
26	Nano-particle modified stationary phases for high-performance liquid chromatography. <i>Analyst, The</i> , <b>2013</b> , 138, 4229-54	5	59
25	Fabrication and characterization of nanotemplated carbon monolithic material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8572-80	9.5	9
24	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> , <b>2013</b> , 1321, 56-64	4.5	7
23	Fast direct determination of strontium in seawater using high-performance chelation ion chromatography. <i>Microchemical Journal</i> , <b>2013</b> , 111, 8-15	4.8	11
22	Fabrication of Bonded Monolithic Porous Layer Open Tubular (monoPLOT) Columns in Wide Bore Capillary by Laminar Flow Thermal Initiation. <i>Chromatographia</i> , <b>2013</b> , 76, 581-589	2.1	15
21	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> , <b>2013</b> , 138, 2540-5	5	18
20	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> , <b>2013</b> , 405, 2207-17	4.4	11
19	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> , <b>2013</b> , 1276, 102-11	4.5	17
18	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> , <b>2013</b> , 5, 2666	3.2	7
17	Direct chromatographic separation and quantification of calcium and magnesium in seawater and sediment porewaters. <i>Limnology and Oceanography: Methods</i> , <b>2013</b> , 11, 466-474	2.6	4
16	Separation of selected transition metals by capillary chelation ion chromatography using acetyl-iminodiacetic acid modified capillary polymer monoliths. <i>Journal of Chromatography A</i> , <b>2012</b> , 1249, 155-63	4.5	16
15	Porous graphitized carbon monolith as an electrode material for probing direct bioelectrochemistry and selective detection of hydrogen peroxide. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 2351-7	7.8	39
14	Controlled ultraviolet (UV) photoinitiated fabrication of monolithic porous layer open tubular (monoPLOT) capillary columns for chromatographic applications. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3465-72	7.8	36
13	Comparative metal distribution in scalp hair of Pakistani and Irish referents and hypertensive patients. <i>Biological Trace Element Research</i> , <b>2011</b> , 143, 1367-82	4.5	7
12	Monolithic porous layer open tubular (monoPLOT) columns for low pressure liquid chromatography of proteins. <i>Analytical Methods</i> , <b>2011</b> , 3, 537-543	3.2	25
11	Versatile capillary column temperature control using a thermoelectric array based platform. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4307-13	7.8	24
10	Holistic visualisation of the multimodal transport and fate of twelve pharmaceuticals in biosolid enriched topsoils. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 287-296	4.4	22

9	Preparation, characterisation and modification of carbon-based monolithic rods for chromatographic applications. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 1231-43	3.4	22
8	Micro-bore titanium housed polymer monoliths for reversed-phase liquid chromatography of small molecules. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2138-46	4.5	33
7	Zwitterionic ion-exchangers in ion chromatography: A review of recent developments. <i>Analytica Chimica Acta</i> , <b>2009</b> , 652, 3-21	6.6	70
6	Anion-exchange chromatography on short reversed-phase columns modified with amphoteric (N-dodecyl-N,N-dimethylammonio)alcanoates. <i>Journal of Chromatography A</i> , <b>2008</b> , 1178, 60-70	4.5	10
5	Simultaneous separation of inorganic anions and metal-citrate complexes on a zwitterionic stationary phase with on-column complexation. <i>Journal of Chromatography A</i> , <b>2008</b> , 1213, 62-9	4.5	8
4	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> , <b>2007</b> , 30, 2910-6	3.4	6
3	Flow gradient liquid chromatography using a coated anion exchange microcolumn. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 228-35	3.4	10
2	Double gradient ion chromatography using short monolithic columns modified with a long chained zwitterionic carboxybetaine surfactant. <i>Journal of Chromatography A</i> , <b>2006</b> , 1109, 111-9	4.5	27
1	Ion-Chromatography Performance of Poly(Aspartic) Acid Bonded Silica with Various Pore Sizes at Different Ionic Strengths and Column Temperatures. <i>Mikrochimica Acta</i> , <b>2004</b> , 146, 103-110	5.8	9