

# Leonid D Asnin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/626756/publications.pdf>

Version: 2024-02-01

62  
papers

992  
citations

471509

17  
h-index

477307

29  
g-index

63  
all docs

63  
docs citations

63  
times ranked

996  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in chiral separations of small peptides by capillary electrophoresis and chromatography. <i>Journal of Separation Science</i> , 2014, 37, 2447-2466.	2.5	121
2	Transgenic potato overproducing l-ascorbic acid resisted an increase in methylglyoxal under salinity stress via maintaining higher reduced glutathione level and glyoxalase enzyme activity. <i>Biotechnology Letters</i> , 2011, 33, 2297-2307.	2.2	95
3	Van't Hoff analysis in chiral chromatography. <i>Journal of Separation Science</i> , 2018, 41, 1319-1337.	2.5	68
4	Advances in Nanocarriers for Anticancer Drugs Delivery. <i>Current Medicinal Chemistry</i> , 2016, 23, 2159-2187.	2.4	56
5	Ultrasound-assisted extraction of quercetin from onion solid wastes. <i>International Journal of Food Science and Technology</i> , 2013, 48, 246-252.	2.7	51
6	Adsorption models in chiral chromatography. <i>Journal of Chromatography A</i> , 2012, 1269, 3-25.	3.7	45
7	Chiral separation of quinolones by liquid chromatography and capillary electrophoresis. <i>Journal of Separation Science</i> , 2017, 40, 2863-2882.	2.5	34
8	Adsorption of the enantiomers of 2,2,2-trifluoro-1-(9-anthryl)-ethanol on silica-bonded chiral quinidine-carbamate. <i>Journal of Chromatography A</i> , 2004, 1059, 43-52.	3.7	29
9	Features of the adsorption of Naproxen on the chiral stationary phase (S,S)-Whelk-O1 under reversed-phase conditions. <i>Journal of Chromatography A</i> , 2010, 1217, 264-275.	3.7	24
10	On the enantioselectivity of the mass transfer kinetics and the adsorption equilibrium of Naproxen on the chiral stationary phase (-)-Whelk-O1 under reversed-phase conditions. <i>Journal of Chromatography A</i> , 2010, 1217, 1320-1331.	3.7	22
11	Chiral HPLC Separation and Modeling of Four Stereoisomers of DL-Leucine-DL-Tryptophan Dipeptide on Amylose Chiral Column. <i>Chirality</i> , 2016, 28, 642-648.	2.6	22
12	Empirical development of a binary adsorption isotherm based on the single-component isotherms in the framework of a two-site model. <i>Journal of Chromatography A</i> , 2007, 1138, 158-168.	3.7	20
13	Chiral separation and modeling of quinolones on teicoplanin macrocyclic glycopeptide antibiotics <sc>CSP</sc>. <i>Chirality</i> , 2018, 30, 1304-1311.	2.6	20
14	The adsorption of Naproxen enantiomers on the chiral stationary phase Whelk-O1 under reversed-phase conditions: The effect of buffer composition. <i>Journal of Chromatography A</i> , 2010, 1217, 7055-7064.	3.7	19
15	Validated chiral high performance liquid chromatography separation method and simulation studies of dipeptides on amylose chiral column. <i>Journal of Chromatography A</i> , 2015, 1406, 201-209.	3.7	19
16	Adsorption of the enantiomers of 3-chloro-1-phenyl-propanol on silica-bonded chiral quinidine carbamate. <i>Journal of Chromatography A</i> , 2006, 1101, 158-170.	3.7	18
17	The chromatographic behavior and thermodynamic characteristics of adsorption of profen enantiomers on silica gel with grafted eremomycin antibiotic. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 547-551.	0.6	18
18	The adsorption of Naproxen enantiomers on the chiral stationary phase (-)-Whelk-O1 under reversed-phase conditions: The effect of mobile phase composition. <i>Journal of Chromatography A</i> , 2010, 1217, 2871-2878.	3.7	18

#	ARTICLE	IF	CITATIONS
19	Adsorption of aqueous organic mixtures on a chiral stationary phase with bound antibiotic eremomycin. <i>Journal of Chromatography A</i> , 2014, 1363, 71-78.	3.7	16
20	Peak measurement and calibration in chromatographic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 81, 51-62.	11.4	16
21	Reverse elution order of $\hat{1}^2$ -blockers in chiral separation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 435-441.	1.0	16
22	Features of the adsorption of naproxen enantiomers on weak chiral anion-exchangers in nonlinear chromatography. <i>Journal of Chromatography A</i> , 2008, 1192, 62-73.	3.7	15
23	Effect of the ionic composition of a mobile phase on the chromatographic retention of profen enantiomers on a chiral adsorbent with grafted eremomycin antibiotic. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 1434-1439.	0.6	14
24	Calibration of a detector for nonlinear responses. <i>Journal of Chromatography A</i> , 2005, 1089, 105-110.	3.7	13
25	Retention of Naproxen enantiomers on the chiral stationary phase Whelk-O1 under reversed-phase conditions. A reconsideration of the adsorption mechanism in the light of new experimental data. <i>Journal of Chromatography A</i> , 2010, 1217, 1709-1711.	3.7	13
26	Enantioselective retention mechanisms of dipeptides on antibiotic-based chiral stationary phases: Leucyl-leucine, glycyl-leucine, and leucyl-glycine as case studies. <i>Journal of Chromatography A</i> , 2019, 1602, 368-377.	3.7	12
27	Enantioselective retention mechanisms of dipeptides on antibiotic-based chiral stationary phases. II. Effect of the methanol content in the mobile phase. <i>Journal of Chromatography A</i> , 2020, 1626, 461371.	3.7	12
28	Stereoselective interactions of chiral dipeptides on amylose based chiral stationary phases. <i>Science China Chemistry</i> , 2015, 58, 519-525.	8.2	11
29	Unusual van Deemter plots of optical isomers on a chiral brush-type liquid chromatography column. <i>Journal of Chromatography A</i> , 2019, 1592, 112-121.	3.7	11
30	Chromatographic separation of phenylpropanol enantiomers on a quinidine carbamate-type chiral stationary phase. <i>Journal of Chromatography A</i> , 2005, 1091, 11-20.	3.7	10
31	Chromatographic behavior of the enantiomers of 2,2,2-trifluoro-1-(9-anthryl)ethanol on a quinidine-carbamate chiral stationary phase. <i>Journal of Chromatography A</i> , 2005, 1091, 183-186.	3.7	10
32	A study of mass transfer kinetics of alanyl-alanine on a chiral crown ether stationary phase. <i>Journal of Chromatography A</i> , 2011, 1218, 5263-5272.	3.7	10
33	Calibration of a detector for nonlinear chromatography. <i>Journal of Chromatography A</i> , 2005, 1076, 141-147.	3.7	9
34	Calibration of detector responses using the shape and size of band profiles. <i>Journal of Chromatography A</i> , 2005, 1089, 101-104.	3.7	9
35	Chromatographic retention and thermodynamics of adsorption of dipeptides on a chiral crown ether stationary phase. <i>Journal of Separation Science</i> , 2011, 34, 3136-3144.	2.5	9
36	Extraction of Antioxidants from Aloe vera Leaf Gel: a Response Surface Methodology Study. <i>Food Analytical Methods</i> , 2014, 7, 1804-1815.	2.6	9

#	ARTICLE	IF	CITATIONS
37	Thermodynamic parameters of adsorption described by the logarithmic Temkin isotherm. Russian Chemical Bulletin, 2001, 50, 217-219.	1.5	8
38	Calculation of the sticking coefficient in the case of the linear adsorption isotherm. Russian Chemical Bulletin, 2003, 52, 2747-2749.	1.5	7
39	The adsorption of chlorobenzene on a carbon adsorbent obtained by the pyrolysis of hypercrosslinked polystyrene. Russian Journal of Physical Chemistry A, 2008, 82, 2313-2317.	0.6	6
40	Adsorption of naproxen enantiomers from solutions on chemically modified cellulose. The effect of a polar component of a liquid phase. Russian Chemical Bulletin, 2009, 58, 1731-1735.	1.5	6
41	Adsorption of hexane, cyclohexane, and benzene on microporous carbon obtained by pyrolysis of hypercrosslinked polystyrene. Russian Journal of Physical Chemistry A, 2011, 85, 1629-1634.	0.6	6
42	Phytochemical composition of onion during long-term storage. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 150-160.	0.6	5
43	Unusual Difference in Enantioselectivity of Two Chiral Stationary Phases with Grafted Antibiotic Ristocetin A. Chromatographia, 2021, 84, 307-311.	1.3	5
44	Adsorption of chlorobenzene and benzene on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /at<. Russian Chemical Bulletin, 2001, 50, 68-72.	1.5	4
45	Adsorption of Chlorobenzene on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Obtained by Calcination of Boehmite at Various Temperatures. Russian Journal of Applied Chemistry, 2003, 76, 719-722.	0.5	3
46	Micro-Preparative Chromatographic Separation of Naproxen Enantiomers. Pharmaceutical Chemistry Journal, 2008, 42, 435-437.	0.8	3
47	The thermodynamics of benzene adsorption on carbon obtained by the pyrolysis of hypercrosslinked polystyrene. Russian Journal of Physical Chemistry A, 2009, 83, 1204-1207.	0.6	3
48	Effect of competing binding modes on retention in chromatography and capillary electrophoresis. A theoretical consideration. Journal of Separation Science, 2014, 37, 390-392.	2.5	3
49	Enantioselective adsorption of dipeptides on chiral stationary phases with grafted macrocyclic antibiotics using glycylaspartic acid as an example. Russian Chemical Bulletin, 2019, 68, 2232-2240.	1.5	3
50	Enantioselective adsorption dynamics of leucyl-leucine in a Chirobiotic R column. Journal of Chromatography A, 2021, 1635, 461771.	3.7	3
51	Chiral separation of dipeptides on Cinchona-based zwitterionic chiral stationary phases under buffer-free reversed-phase conditions. Chirality, 2022, 34, 1065-1077.	2.6	3
52	Adsorption of benzene on the V <sub>2</sub> O <sub>5</sub> / $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalyst. Russian Chemical Bulletin, 2003, 52, 889-892.	1.5	1
53	Investigation of the Complexation Between Quinidine Carbamate and the Enantiomers of 3-Chloro-1-phenylpropanol by Circular Dichroism and UV Spectroscopy. Journal of Liquid Chromatography and Related Technologies, 2006, 29, 1385-1391.	1.0	1
54	Adsorption of naproxen enantiomers on chemically modified cellulose. Russian Chemical Bulletin, 2007, 56, 2384-2388.	1.5	1

#	ARTICLE	IF	CITATIONS
55	Adsorption of chlorobenzene vapor on V <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst under dynamic conditions. <i>Adsorption</i> , 2008, 14, 771-779.	3.0	1
56	Vapor-phase adsorption of a mixture of benzene and chlorobenzene on the carbon adsorbent obtained by pyrolysis of hypercrosslinked polystyrene. <i>Russian Chemical Bulletin</i> , 2009, 58, 2217-2221.	1.5	1
57	Description of the dynamics of vapor adsorption in a fixed bed of an adsorbent using various approximations of the mixed-diffusion model. <i>Theoretical Foundations of Chemical Engineering</i> , 2009, 43, 260-267.	0.7	1
58	Drug synthesis methods and manufacturing technology preparative chromatographic separation of ibuprofen enantiomers on Whelk-O1 chiral stationary phase. <i>Pharmaceutical Chemistry Journal</i> , 2012, 46, 568-572.	0.8	1
59	Relationships of the Enantioselective Retention of Chiral Oxazolopyrroloquinolones on a Stationary Phase with Grafted Antibiotic Ristocetin A. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 199-206.	0.6	1
60	Adsorption of Binary Solvents on Chiral Stationary Phases with Grafted Macrocyclic Antibiotics. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 2304-2309.	0.6	1
61	Elucidation of retention mechanism of dipeptides on a ristocetin A-based chiral stationary phase using a combination of chromatographic and molecular simulation techniques. <i>Journal of Chromatography A</i> , 2022, 1675, 463158.	3.7	1
62	Adsorption of chlorobenzene on V <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst under dynamic conditions. <i>Russian Journal of Applied Chemistry</i> , 2007, 80, 263-267.	0.5	0