

Omar Ismail

List of Publications by Year in descending order

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1,589
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218592

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#	ARTICLE	IF	CITATIONS
1	A perspective on enantioselective chromatography by comparing ultra-high performance supercritical fluid chromatography and normal-phase liquid chromatography through the use of a Pirkle-type stationary phase. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 147, 116511.	5.8	4
2	Enantioselective UHPLC Screening Combined with <i>In Silico</i> Modeling for Streamlined Development of Ultrafast Enantiopurity Assays. <i>Analytical Chemistry</i> , 2022, 94, 1804-1812.	3.2	31
3	Boosting the enantioresolution of zwitterionic-teicoplanin chiral stationary phases by moving to wide-pore core-shell particles. <i>Journal of Chromatography A</i> , 2022, 1676, 463190.	1.8	6
4	Mass transfer kinetics on modern Whelk-O1 chiral stationary phases made on fully- and superficially-porous particles. <i>Journal of Chromatography A</i> , 2021, 1637, 461854.	1.8	16
5	Δ ⁹ - <i>cis</i> -Tetrahydrocannabinol: Natural Occurrence, Chirality, and Pharmacology. <i>Journal of Natural Products</i> , 2021, 84, 2502-2510.	1.5	33
6	High-throughput enantioseparation of N-fluorenylmethoxycarbonyl proteinogenic amino acids through fast chiral chromatography on zwitterionic-teicoplanin stationary phases. <i>Journal of Chromatography A</i> , 2020, 1624, 461235.	1.8	21
7	<i>Cannabis sativa</i> L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. <i>Molecules</i> , 2020, 25, 1908.	1.7	38
8	Recent Achievements and Future Challenges in Supercritical Fluid Chromatography for the Enantioselective Separation of Chiral Pharmaceuticals. <i>Chromatographia</i> , 2019, 82, 65-75.	0.7	41
9	Enantioselective ultra high performance liquid and supercritical fluid chromatography: The race to the shortest chromatogram. <i>Journal of Separation Science</i> , 2018, 41, 1307-1318.	1.3	59
10	New frontiers and cutting edge applications in ultra high performance liquid chromatography through latest generation superficially porous particles with particular emphasis to the field of chiral separations. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2457-2465.	1.9	32
11	On the effect of chiral selector loading and mobile phase composition on adsorption properties of latest generation fully- and superficially-porous Whelk-O1 particles for high-efficient ultrafast enantioseparations. <i>Journal of Chromatography A</i> , 2018, 1579, 41-48.	1.8	25
12	The Way to Ultrafast, High-Throughput Enantioseparations of Bioactive Compounds in Liquid and Supercritical Fluid Chromatography. <i>Molecules</i> , 2018, 23, 2709.	1.7	34
13	Direct analysis of chiral active pharmaceutical ingredients and their counterions by ultra high performance liquid chromatography with macrocyclic glycopeptide-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2018, 1576, 42-50.	1.8	32
14	Unmatched Kinetic Performance in Enantioselective Supercritical Fluid Chromatography by Combining Latest Generation Whelk-O1 Chiral Stationary Phases with a Low-Dispersion in-House Modified Equipment. <i>Analytical Chemistry</i> , 2018, 90, 10828-10836.	3.2	29
15	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 8326-8330.	3.2	7
16	Recent advancements and future directions of superficially porous chiral stationary phases for ultrafast high-performance enantioseparations. <i>Analyst</i> , 2017, 142, 555-566.	1.7	64
17	<i>Cannabis</i> through the looking glass: chemo- and enantio-selective separation of phytocannabinoids by enantioselective ultra high performance supercritical fluid chromatography. <i>Chemical Communications</i> , 2017, 53, 12262-12265.	2.2	52
18	Future perspectives in high efficient and ultrafast chiral liquid chromatography through zwitterionic teicoplanin-based 2-μm superficially porous particles. <i>Journal of Chromatography A</i> , 2017, 1520, 91-102.	1.8	40

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19	3,5-Dinitrobenzoyl-9-amino-9-deoxy-9-epiquinine as Pirkle-Anion Exchange Hybrid-Type Chiral Selector in High-Performance Liquid Chromatography. <i>Chromatographia</i> , 2017, 80, 751-762.	0.7	12
20	Rationale behind the optimum efficiency of columns packed with new 1.9 μ m fully porous particles of narrow particle size distribution. <i>Journal of Chromatography A</i> , 2016, 1454, 78-85.	1.8	49
21	Experimental evidence of the kinetic performance achievable with columns packed with new 1.9 μ m fully porous particles of narrow particle size distribution. <i>Journal of Chromatography A</i> , 2016, 1454, 86-92.	1.8	33
22	Pirkle-type chiral stationary phase on core-shell and fully porous particles: Are superficially porous particles always the better choice toward ultrafast high-performance enantioseparations?. <i>Journal of Chromatography A</i> , 2016, 1466, 96-104.	1.8	71
23	Ultra-fast high-efficiency enantioseparations by means of a teicoplanin-based chiral stationary phase made on sub-2 μ m totally porous silica particles of narrow size distribution. <i>Journal of Chromatography A</i> , 2016, 1427, 55-68.	1.8	75
24	Expanding the potential of chiral chromatography for high-throughput screening of large compound libraries by means of sub-2 μ m Whelk-O 1 stationary phase in supercritical fluid conditions. <i>Journal of Chromatography A</i> , 2015, 1383, 160-168.	1.8	48
25	Evaluation of two sub-2 μ m stationary phases, core-shell and totally porous monodisperse, in the second dimension of on-line comprehensive two dimensional liquid chromatography, a case study: Separation of milk peptides after expiration date. <i>Journal of Chromatography A</i> , 2015, 1375, 54-61.	1.8	27
26	Enantioseparation by ultra-high-performance liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 95-103.	5.8	48
27	Understanding Mixed-Mode Retention Mechanisms in Liquid Chromatography with Hydrophobic Stationary Phases. <i>Analytical Chemistry</i> , 2014, 86, 4919-4926.	3.2	26
28	Chiral Supramolecular Selectors for Enantiomer Differentiation in Liquid Chromatography. <i>Topics in Current Chemistry</i> , 2013, 340, 73-105.	4.0	21
29	Fluorous Affinity Chromatography for Enrichment and Determination of Perfluoroalkyl Substances. <i>Analytical Chemistry</i> , 2012, 84, 7138-7145.	3.2	35
30	Enantioselective ultra-high and high performance liquid chromatography: A comparative study of columns based on the Whelk-O1 selector. <i>Journal of Chromatography A</i> , 2012, 1269, 226-241.	1.8	40
31	Introducing Enantioselective Ultrahigh-Pressure Liquid Chromatography (eUHPLC): Theoretical Inspections and Ultrafast Separations on a New Sub-2 μ m Whelk-O1 Stationary Phase. <i>Analytical Chemistry</i> , 2012, 84, 6805-6813.	3.2	83
32	Transition from enantioselective high performance to ultra-high performance liquid chromatography: A case study of a brush-type chiral stationary phase based on sub-5-micron to sub-2-micron silica particles. <i>Journal of Chromatography A</i> , 2010, 1217, 990-999.	1.8	64
33	Extending the use of Inverted Chirality Columns Approach for enantiomeric excess determination in absence of reference samples: Application to a water-soluble camptothecin derivative. <i>Journal of Chromatography A</i> , 2010, 1217, 1024-1032.	1.8	30
34	Combination of HPLC Inverted Chirality Columns Approach and MS/MS Detection for Extreme Enantiomeric Excess Determination Even in Absence of Reference Samples. Application to Camptothecin Derivatives. <i>Analytical Chemistry</i> , 2007, 79, 6013-6019.	3.2	46
35	HPLC Chiral Stationary Phases Containing Macrocyclic Antibiotics. <i>Advances in Chromatography</i> , 2007, , 109-173.	1.0	6
36	Study of mechanisms of chiral discrimination of amino acids and their derivatives on a teicoplanin-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2004, 1031, 143-158.	1.8	98

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37	Role of the Carbohydrate Moieties in Chiral Recognition on Teicoplanin-Based LC Stationary Phases. Analytical Chemistry, 2000, 72, 1767-1780.	3.2	213