Ilaria D'Acquarica

List of Publications by Year
in descending order

62	1,913	236612	276539
papers	citations	25 h-index	41 g-index

62	62	62	2221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The market of chiral drugs: Chiral switches versus de novo enantiomerically pure compounds. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 323-340.	1.4	328
2	Introducing Enantioselective Ultrahigh-Pressure Liquid Chromatography (eUHPLC): Theoretical Inspections and Ultrafast Separations on a New Sub-2-Î¼m Whelk-O1 Stationary Phase. Analytical Chemistry, 2012, 84, 6805-6813.	3.2	83
3	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. Journal of Chromatography A, 2010, 1217, 990-999.	1.8	64
4	Direct chromatographic resolution of carnitine and O-acylcarnitine enantiomers on a teicoplanin-bonded chiral stationary phase. Journal of Chromatography A, 1999, 857, 145-155.	1.8	63
5	Synthesis of Sugarâ€Based Silica Gels by Copperâ€Catalysed Azideâ€“Alkyne Cycloaddition via a Singleâ€Step Azidoâ€Activated Silica Intermediate and the Use of the Gels in Hydrophilic Interaction Chromatography. Chemistry - A European Journal, 2010, 16, 5712-5722.	1.7	63
6	A promising natural product, pristimerin, results in cytotoxicity against breast cancer stem cells in vitro and xenografts in vivo through apoptosis and an incomplete autopaghy in breast cancer. Pharmacological Research, 2018, 129, 500-514.	3.1	62
7	Application of a new chiral stationary phase containing the glycopeptide antibiotic A-40,926 in the direct chromatographic resolution of Î²-amino acids. Tetrahedron: Asymmetry, 2000, 11, 2375-2385.	1.8	61
8	Evaluation of the macrocyclic glycopeptide A-40,926 as a high-performance liquid chromatographic chiral selector and comparison with teicoplanin chiral stationary phase. Journal of Chromatography A, 2000, 897, 113-129.	1.8	55
9	Cannabis through the looking glass: chemo- and enantio-selective separation of phytocannabinoids by enantioselective ultra high performance supercritical fluid chromatography. Chemical Communications, 2017, 53, 12262-12265.	2.2	52
10	Inhibition of Hedgehog-dependent tumors and cancer stem cells by a newly identified naturally occurring chemotype. Cell Death and Disease, 2016, 7, e2376-e2376.	2.7	49
11	Enantioseparation by ultra-high-performance liquid chromatography. TrAC - Trends in Analytical Chemistry, 2014, 63, 95-103.	5.8	48
12	Chemical, computational and functional insights into the chemical stability of the Hedgehog pathway inhibitor GANT61. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 349-358.	2.5	45
13	Enantioselective ultra-high and high performance liquid chromatography: A comparative study of columns based on the Whelk-O1 selector. Journal of Chromatography A, 2012, 1269, 226-241.	1.8	40
14	New synthetic strategies for the preparation of novel chiral stationary phases for high-performance liquid chromatography containing natural pool selectors. Journal of Pharmaceutical and Biomedical Analysis, 2000, 23, 3-13.	1.4	38
15	3,5,3â€²-Triiodo-L-thyronine enhances the differentiation of a human pancreatic duct cell line (hPANC-1) towards a Î²-cell-Like phenotype. Journal of Cellular Physiology, 2005, 204, 286-296.	2.0	36
16	Isolation and structure elucidation of four new triterpenoid estersaponins from fruits of Pittosporum tobira ait.. Tetrahedron, 2002, 58, 10127-10136.	1.0	34
17	Resorcarenes: Hollow Building Blocks for the Host-Guest Chemistry. Current Organic Chemistry, 2005, 9, 1167-1202.	0.9	34
18	Enantioselective liquid chromatographic-electrospray mass spectrometric assay of Î²-adrenergic blockers: application to a pharmacokinetic study of sotalol in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 796, 45-54.	1.2	32

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19	Design and evaluation of hydrolytically stable bidentate urea-type stationary phases for hydrophilic interaction chromatography. Journal of Chromatography A, 2012, 1232, 196-211.	1.8	31
20	Extending the use of â€œInverted Chirality Columns Approachâ€•for enantiomeric excess determination in absence of reference samples: Application to a water-soluble camptothecin derivative. Journal of Chromatography A, 2010, 1217, 1024-1032.	1.8	30
21	Chiral switches of chloroquine and hydroxychloroquine: potential drugs to treat COVID-19. Drug Discovery Today, 2020, 25, 1121-1123.	3.2	30
22	Chirality Effects on the IRMPD Spectra of Basket Resorcinarene/Nucleoside Complexes. Chemistry - A European Journal, 2012, 18, 8320-8328.	1.7	29
23	Naturally occurring Diels-Alder-type adducts from Morus nigra as potent inhibitors of Mycobacterium tuberculosis protein tyrosine phosphatase B. European Journal of Medicinal Chemistry, 2018, 144, 277-288.	2.6	29
24	The Pictet-Spengler Reaction Still on Stage. Current Pharmaceutical Design, 2016, 22, 1808-1850.	0.9	28
25	Efficient enantiorecognition of ruthenium(II) complexes by silica-bound teicoplanin. Tetrahedron: Asymmetry, 2000, 11, 3535-3541.	1.8	27
26	Evaluation of teicoplanin chiral stationary phases of 3.5 and 5Î¼m inside diameter silica microparticles by polar-organic mode capillary electrochromatography. Electrophoresis, 2003, 24, 3000-3005.	1.3	26
27	Synthesis and applications of novel, highly efficient HPLC chiral stationary phases: a chiral dimension in drug research analysis. Pharmaceutical Science & Technology Today, 1999, 2, 484-492.	0.7	24
28	Enantio- and chemo-selective HPLC separations by chiralâ€“achiral tandem-columns approach: the combination of CHIROBIOTIC TAGâ„¢ and SCX columns for the analysis of propionyl carnitine and related impurities. Journal of Chromatography A, 2004, 1061, 167-173.	1.8	23
29	Nitrosonium Complexes of Resorc[4]arenes:â€‰ Spectral, Kinetic, and Theoretical Studies. Journal of the American Chemical Society, 2007, 129, 11202-11212.	6.6	23
30	On-column epimerization of dihydroartemisinin: An effective analytical approach to overcome the shortcomings of the International Pharmacopoeia monographâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 180-191.	1.2	23
31	New chiral and restricted-access materials containing glycopeptides as selectors for the high-performance liquid chromatographic determination of chiral drugs in biological matrices. Journal of Chromatography A, 2008, 1191, 205-213.	1.8	22
32	Gas-Phase Enantioselectivity of Chiral Amido[4]resorcinarene Receptors. Chemistry - A European Journal, 2006, 12, 8096-8105.	1.7	21
33	A Novel Enzymatic Strategy for the Synthesis of Substituted Tetrahydroisoquinolines. ChemistrySelect, 2016, 1, 1525-1528.	0.7	21
34	Bis(diamido)â€Bridged Basket Resorcin[4]arenes as Enantioselective Receptors for Amino Acids and Amines. European Journal of Organic Chemistry, 2007, 2007, 5995-6002.	1.2	20
35	Stereodynamic Investigation of Labile Stereogenic Centres in Dihydroartemisinin. Molecules, 2010, 15, 1309-1323.	1.7	20
36	High yield and optical purity in biocatalysed acylation of trans-2-phenyl-1-cyclohexanol with Candida rugosa lipase in non-conventional media. Journal of Molecular Catalysis B: Enzymatic, 1999, 6, 495-503.	1.8	19

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37	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Thermodynamic Investigation. Part 1. Journal of Organic Chemistry, 2011, 76, 1751-1758.	1.7	19
38	N-Linked Peptidoresorc[4]arene-Based Receptors as Noncompetitive Inhibitors for Î±-Chymotrypsin. Journal of Organic Chemistry, 2011, 76, 4396-4407.	1.7	19
39	Occurrence of Enantioselectivity in Nature: The Case of (S)â€Norcoclaurine. Chirality, 2016, 28, 169-180.	1.3	19
40	Total Synthesis of (Â±)-Kuwanol E. Journal of Natural Products, 2016, 79, 2495-2503.	1.5	18
41	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Kinetic Investigation. Part 2. Journal of Organic Chemistry, 2011, 76, 4831-4840.	1.7	17
42	Natural and totally synthetic receptors in the innovative design of HPLC chiral stationary phases. Pure and Applied Chemistry, 2003, 75, 407-412.	0.9	16
43	Efficient organic monoliths prepared by Î³-radiation induced polymerization in the evaluation of histone deacetylase inhibitors by capillary(nano)-high performance liquid chromatography and ion trap mass spectrometry. Journal of Chromatography A, 2011, 1218, 3862-3875.	1.8	16
44	Synthesis and characterization of novel internal surface reversed-phase silica supports for high-performance liquid chromatography. Journal of Chromatography A, 2007, 1176, 79-88.	1.8	15
45	Synthesis and Hostâ^'Guest Studies of Chiral N-Linked Peptidoresorc[4]arenes. Journal of Organic Chemistry, 2007, 72, 9283-9290.	1.7	13
46	Green Routes for the Production of Enantiopure Benzylisoquinoline Alkaloids. International Journal of Molecular Sciences, 2017, 18, 2464.	1.8	12
47	Modelling Amphetamine/Receptor Interactions: A Gasâ€Phase Study of Complexes Formed between Amphetamine and Some Chiral Amido[4]resorcinarenes. Chemistry - A European Journal, 2008, 14, 3585-3595.	1.7	11
48	Gas-Phase Enantioselectivity of Chiral N-Linked Peptidoresorc[4]arene Isomers toward Dipeptides. Journal of Physical Chemistry A, 2009, 113, 14625-14629.	1.1	11
49	Enantioselective separations of chiral molecules by Î¼-HPLC and SFC on microbore and packed microcapillary columns. Journal of High Resolution Chromatography, 1997, 20, 261-264.	2.0	10
50	Enantioselective semi-preparative HPLC of two 2-arylpropionic acids on glycopeptides containing chiral stationary phases. Tetrahedron: Asymmetry, 2002, 13, 69-75.	1.8	10
51	Unprecedented gas-phase chiroselective logic gates. Organic and Biomolecular Chemistry, 2011, 9, 1717.	1.5	9
52	Undecenyl resorc[4]arene in the chair conformation as preorganized synthon for olefin metathesis. RSC Advances, 2013, 3, 17567.	1.7	9
53	A General Procedure for the Synthesis of Stereochemically Pure Conduritol Derivatives Practical also for Solid-Phase Chemistry. ACS Combinatorial Science, 2006, 8, 74-78.	3.3	8
54	Reaction of Nitrosonium Cation with Resorc[4]arenes Activated by Supramolecular Control: Covalent Bond Formation. Journal of Organic Chemistry, 2013, 78, 6935-6946.	1.7	8

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55	Cyanoresorc[5]arenes: Isolation, Conformation and Crystal Structure. European Journal of Organic Chemistry, 2006, 2006, 3652-3660.	1.2	7
56	Synthesis of a Double-Spanned Resorc[4]arene via Ring-Closing Metathesis and Calculation of Aggregation Propensity. Journal of Organic Chemistry, 2014, 79, 11051-11060.	1.7	7
57	Diastereoselective gas-phase ion/molecule reactions of ethanolamine neurotransmitter/amido[4]resorcinarene adducts. International Journal of Mass Spectrometry, 2010, 291, 84-89.	0.7	6
58	Stereochemical Preference of 2'â€Deoxycytidine for Chiral Bis(diamido)â€bridged Basket Resorcin[4]arenes. Chirality, 2013, 25, 840-851.	1.3	6
59	First Detection of a Rutheniumâ€“Carbeneâ€“Resorc[4]arene Complex During the Progress of a Metathesis Reaction. European Journal of Organic Chemistry, 2017, 2017, 2407-2415.	1.2	5
60	Synthesis of Bromoundecyl Resorc[4]arenes and Applications of the Cone Stereoisomer as Selector for Liquid Chromatography. Journal of Organic Chemistry, 2018, 83, 7683-7693.	1.7	5
61	Molecular Recognition of Natural Products by Resorc[4]arene Receptors. Current Pharmaceutical Design, 2016, 22, 1715-1729.	0.9	4
62	Front Cover: First Detection of a Ruthenium-Carbene-Resorc[4]arene Complex During the Progress of a Metathesis Reaction (Eur. J. Org. Chem. 17/2017). European Journal of Organic Chemistry, 2017, 2017, 2385-2385.	1.2	0