

# Ashraf Ghanem

## List of Publications by Year in descending order

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83  
papers

3,114  
citations

147566

31  
h-index

161609

54  
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95  
all docs

95  
docs citations

95  
times ranked

2692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in lipase-catalyzed asymmetric access to enantiomerically pure/enriched compounds. <i>Tetrahedron</i> , 2007, 63, 1721-1754.	1.0	302
2	Lipase-mediated chiral resolution of racemates in organic solvents. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3331-3351.	1.8	289
3	Application of lipases in kinetic resolution of racemates. <i>Chirality</i> , 2005, 17, 1-15.	1.3	255
4	Chiral separations of piperidine-2,6-dione analogues on Chiralpak IA and Chiralpak IB columns by using HPLC. <i>Talanta</i> , 2006, 69, 1013-1017.	2.9	118
5	Enantioselective Toxicity and Carcinogenesis. <i>Current Pharmaceutical Analysis</i> , 2005, 1, 109-125.	0.3	115
6	Separation and sample pre-treatment in bioanalysis using monolithic phases: A review. <i>Analytica Chimica Acta</i> , 2009, 652, 22-31.	2.6	98
7	First X-ray Structure of a <i>N</i> -Naphthaloyl-Tethered Chiral Dirhodium(II) Complex: Structural Basis for Tether Substitution Improving Asymmetric Control in Olefin Cyclopropanation. <i>Chemistry - A European Journal</i> , 2010, 16, 3291-3295.	1.7	91
8	Rh(II)-Catalyzed Enantioselective Cyclopropanation of Olefins with Dimethyl Malonate via in Situ Generated Phenyliodonium Ylide. <i>Organic Letters</i> , 2004, 6, 4347-4350.	2.4	80
9	Design and Synthesis of Novel Chiral Dirhodium(II) Carboxylate Complexes for Asymmetric Cyclopropanation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 3447-3461.	1.7	80
10	Applications of enzymatic and non-enzymatic methods to access enantiomerically pure compounds using kinetic resolution and racemisation. <i>Tetrahedron</i> , 2012, 68, 6781-6802.	1.0	75
11	Current trends in separation of plasmid DNA vaccines: A review. <i>Analytica Chimica Acta</i> , 2013, 760, 1-15.	2.6	73
12	The utility of cyclodextrins in lipase-catalyzed transesterification in organic solvents: enhanced reaction rate and enantioselectivity. Electronic supplementary information (ESI) available: positive ion FAB mass spectrum of peracetylated cyclodextrin and details of gas-chromatographic separations of enantiomers. See <a href="http://www.rsc.org/suppdata/ob/b3/b301086d/">http://www.rsc.org/suppdata/ob/b3/b301086d/</a> . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1282-1291.	1.5	60
13	Single-walled carbon nanotube-based polymer monoliths for the enantioselective nano-liquid chromatographic separation of racemic pharmaceuticals. <i>Journal of Chromatography A</i> , 2014, 1360, 100-109.	1.8	60
14	Application and comparison of immobilized and coated amylose tris-(3,5-dimethylphenylcarbamate) chiral stationary phases for the enantioselective separation of $\beta_2$ -blockers enantiomers by liquid chromatography. <i>Talanta</i> , 2006, 68, 602-609.	2.9	59
15	Lipase-catalyzed access to enantiomerically pure (R)- and (S)-trans-4-phenyl-3-butene-2-ol. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 57-62.	1.8	58
16	Rhodium-Catalysed Enantioselective C-H Functionalization in Asymmetric Synthesis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1459-1475.	1.2	50
17	Immobilized versus coated amylose tris(3,5-dimethylphenylcarbamate) chiral stationary phases for the enantioselective separation of cyclopropane derivatives by liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1101, 171-178.	1.8	48
18	Asymmetric Cyclopropanations and Cycloadditions of Dioxocarbenes. <i>Synthesis</i> , 2006, 2006, 1689-1696.	1.2	45

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19	Enantioselective separation of racemates using CHIRALPAK IG amylose-based chiral stationary phase under normal standard, non-standard and reversed phase high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1532, 89-97.	1.8	44
20	Asymmetric hydrogenation of an $\alpha,\beta$ -unsaturated ketone by diamine(ether-phosphine)ruthenium(II) complexes and lipase-catalyzed kinetic resolution: a consecutive approach. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1045-1053.	1.8	43
21	Immobilized $\beta$ -cyclodextrin-based silica vs polymer monoliths for chiral nano liquid chromatographic separation of racemates. <i>Talanta</i> , 2015, 132, 301-314.	2.9	43
22	Cyclodextrin-Functionalized Monolithic Capillary Columns: Preparation and Chiral Applications. <i>Chirality</i> , 2016, 28, 97-109.	1.3	43
23	Rhodium(II)-Catalyzed Inter- and Intramolecular Cyclopropanations with Diazo Compounds and Phenylodonium Ylides: Synthesis and Chiral Analysis. <i>Helvetica Chimica Acta</i> , 2005, 88, 216-239.	1.0	42
24	Peracetylated $\beta$ -cyclodextrin as additive in enzymatic reactions: enhanced reaction rate and enantiomeric ratio in lipase-catalyzed transesterifications in organic solvents. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 2761-2766.	1.8	41
25	Chiral $\beta$ -cyclodextrin functionalized polymer monolith for the direct enantioselective reversed phase nano liquid chromatographic separation of racemic pharmaceuticals. <i>Journal of Chromatography A</i> , 2014, 1345, 115-127.	1.8	41
26	Lipase-mediated enantioselective kinetic resolution of racemic acidic drugs in non-standard organic solvents: Direct chiral liquid chromatography monitoring and accurate determination of the enantiomeric excesses. <i>Journal of Chromatography A</i> , 2010, 1217, 1063-1074.	1.8	39
27	Recent advances in silica-based monoliths: Preparations, characterizations and applications. <i>Journal of Separation Science</i> , 2011, 34, 1945-1957.	1.3	39
28	Lipase-catalyzed irreversible transesterification of 1-(2-furyl)ethanol using isopropenyl acetate. <i>Chirality</i> , 2001, 13, 118-123.	1.3	36
29	Recent advances in chromatographic purification of plasmid DNA for gene therapy and DNA vaccines: A review. <i>Analytica Chimica Acta</i> , 2018, 1025, 41-57.	2.6	35
30	One-pot synthesis and chiral analysis of cyclopropane derivatives. <i>Chirality</i> , 2005, 17, 44-50.	1.3	34
31	Chiral Dirhodium(II) Carboxylates and Carboxamidates as Effective Chemzymes in Asymmetric Synthesis of Three-Membered Carbocycles. <i>Chirality</i> , 2014, 26, 692-711.	1.3	34
32	Cucurbituril: Chiral Applications. <i>Chirality</i> , 2014, 26, 712-723.	1.3	29
33	Trimethyl- $\beta$ -cyclodextrin-encapsulated monolithic capillary columns: Preparation, characterization and chiral nano-LC application. <i>Talanta</i> , 2017, 169, 239-248.	2.9	29
34	Application of Carbon Nanotubes in Chiral and Achiral Separations of Pharmaceuticals, Biologics and Chemicals. <i>Nanomaterials</i> , 2017, 7, 186.	1.9	29
35	Entrapment of <i>Pseudomonas cepacia</i> lipase with peracetylated $\beta$ -cyclodextrin in sol-gel: application to the kinetic resolution of secondary alcohols. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2547-2555.	1.8	27
36	Enantioselective Nano Liquid Chromatographic Separation of Racemic Pharmaceuticals: A Facile One-Pot In Situ Preparation of Lipase-Based Polymer Monoliths in Capillary Format. <i>Chirality</i> , 2014, 26, 754-763.	1.3	26

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37	True and false reversal of the elution order of barbiturates on a bonded cellulose-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2006, 1132, 329-332.	1.8	25
38	Optimizing dirhodium(ii) tetrakis-carboxylates as chiral NMR auxiliaries. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6542.	1.5	23
39	An Insight to Chiral Monolith for Enantioselective Nano and Micro HPLC: Preparation and Applications. <i>Chirality</i> , 2013, 25, 314-323.	1.3	23
40	Chirasil- $\beta$ -dex with a new C11-spacer for enantioselective gas chromatography. Application to the kinetic resolution of secondary alcohols catalyzed by lipase. <i>Chromatographia</i> , 2003, 57, S275-S281.	0.7	22
41	Functionalized polymer monoliths with carbamylated amylose for the enantioselective reversed phase nano-liquid chromatographic separation of a set of racemic pharmaceuticals. <i>Journal of Chromatography A</i> , 2017, 1515, 91-99.	1.8	22
42	On the solvent versatility in immobilized amylose tris(3,5-dimethylphenylcarbamate) chiral stationary phase in high performance liquid chromatography: Application to the asymmetric cyclopropanation of olefins. <i>Analytica Chimica Acta</i> , 2005, 548, 26-32.	2.6	21
43	Exploring solvent versatility in immobilized cellulose-based chiral stationary phase for the enantioselective liquid chromatographic resolution of racemates. <i>Journal of Separation Science</i> , 2007, 30, 1019-1028.	1.3	20
44	Asymmetric Cyclopropanation of Olefins with an in situ Generated Phenylodonium Ylide. <i>Synlett</i> , 2003, 2003, 1830-1833.	1.0	19
45	Chiral Dirhodium Catalysts: A New Era for Asymmetric Catalysis. <i>Current Organic Chemistry</i> , 2012, 16, 1808-1836.	0.9	19
46	Conventional Chiralpak ID vs. Capillary Chiralpak ID- $\beta$ Amylose Tris(3-Chlorophenylcarbamate)-Based Chiral Stationary Phase Columns for the Enantioselective HPLC Separation of Pharmaceutical Racemates. <i>Chirality</i> , 2014, 26, 677-682.	1.3	19
47	An insight into chiral monolithic stationary phases for enantioselective high-performance liquid chromatography applications. <i>Journal of Separation Science</i> , 2019, 42, 2303-2340.	1.3	19
48	Diazo Compounds and Phenylodonium Ylides in Inter- and Intramolecular Cyclopropanations Catalyzed by Dirhodium(II). Synthesis and Chiral Resolution by GC versus HPLC. <i>Monatshfte für Chemie</i> , 2005, 136, 1205-1219.	0.9	18
49	New silica monolith bonded chiral (R)- $\beta$ butyrolactone for enantioselective micro high-performance liquid chromatography. <i>Chirality</i> , 2011, 23, 887-890.	1.3	17
50	Polymer monolith-supported dirhodium(II)-catalyzed continuous flow cyclopropanation in capillary format. <i>Tetrahedron Letters</i> , 2016, 57, 852-857.	0.7	17
51	Colistin Sulfate Chiral Stationary Phase for the Enantioselective Separation of Pharmaceuticals Using Organic Polymer Monolithic Capillary Chromatography. <i>Molecules</i> , 2019, 24, 833.	1.7	17
52	Rh <sub>2</sub> (S)-1,2-NTTL <sub>4</sub> : A Novel Rh <sub>2</sub> (S)-PTTL <sub>4</sub> Analog With Lower Ligand Symmetry for Asymmetric Synthesis of Chiral Cyclopropylphosphonates. <i>Chirality</i> , 2014, 26, 764-774.	1.3	16
53	Organic/Hybrid Nanoparticles and Single-Walled Carbon Nanotubes: Preparation Methods and Chiral Applications. <i>Chirality</i> , 2014, 26, 683-691.	1.3	15
54	Determination of Vardenafil in Pharmaceutical Formulation by HPLC Using Conventional C <sub>18</sub> and Monolithic Silica Columns. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 593-604.	0.5	14

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55	Comparison, Applications, Advantages, and Limitations of Immobilized and Coated Amylose Tris(3,5-Dimethylphenylcarbamate) Chiral Stationary Phases in HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 2863-2874.	0.5	14
56	Reversed Phase Liquid Chromatographic Method for the High-Throughput Analysis of Clopidogrel in Pharmaceutical Formulations Using a Monolithic Silica Column. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 1357-1365.	0.5	14
57	Lipase-catalyzed Irreversible Transesterification of Secondary Alcohols Using Isopropenyl Acetate. <i>Monatshefte für Chemie</i> , 2003, 134, 1151-1157.	0.9	13
58	Direct enantioselective HPLC monitoring of lipase-catalyzed kinetic resolution of flurbiprofen. <i>Chirality</i> , 2010, 22, 597-603.	1.3	13
59	Comparison, Applications, Advantages, and Limitations of Immobilized and Coated Amylose Tris(3,5-Dimethylphenylcarbamate) Chiral Stationary Phases in HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 2669-2680.	0.5	12
60	Chiral recognition ability and solvent versatility of bonded amylose tris(3,5-dimethylphenylcarbamate) chiral stationary phase: Enantioselective liquid chromatographic resolution of racemic N-alkylated barbiturates and thalidomide analogs. <i>Chirality</i> , 2007, 19, 477-484.	1.3	11
61	On the Enantioselective HPLC Separation Ability of Sub-2 µm Columns: Chiralpak® IG-U and ID-U. <i>Molecules</i> , 2019, 24, 1287.	1.7	9
62	Daptomycin: A Novel Macrocyclic Antibiotic as a Chiral Selector in an Organic Polymer Monolithic Capillary for the Enantioselective Analysis of a Set of Pharmaceuticals. <i>Molecules</i> , 2021, 26, 3527.	1.7	9
63	Enantioselective Gas Chromatographic Analysis of Cyclopropane Derivatives. <i>Chromatographia</i> , 2005, 61, 103-111.	0.7	7
64	C11-Chirasil-Dex as chiral stationary phase in GC: enantioselective separation of cyclopropane derivatives. <i>Talanta</i> , 2005, 66, 1234-1241.	2.9	7
65	Solvent Versatility of Immobilized Amylose and Cellulose-Based Chiral Stationary Phases in Enantioselective LC Separation and Monitoring of Bio-Catalyzed Resolutions of Acidic Drugs in Non-Standard Organic Solvents. <i>Chromatographia</i> , 2009, 70, 349-363.	0.7	7
66	Chiral Dirhodium(II) Carboxylates: New Insights into the Effect of Ligand Stereo-Purity on Catalyst Structure and Enantioselectivity. <i>Catalysts</i> , 2018, 8, 268.	1.6	7
67	A Polymer-based Monolithic Capillary Column with Polymyxin-B Chiral Selector for the Enantioselective Nano-High Performance Liquid Chromatographic Pharmaceutical Analysis. <i>Journal of Chromatography A</i> , 2022, 1662, 462714.	1.8	7
68	Enantiomeric separation of cyclopropane derivatives on a polysaccharide-based chiral stationary phase. <i>Analytica Chimica Acta</i> , 2005, 538, 15-24.	2.6	6
69	Direct enantioselective HPLC monitoring of lipase-catalyzed kinetic resolution of tiaprofenic acid in nonstandard HPLC organic solvents. <i>Chirality</i> , 2008, 20, 871-877.	1.3	6
70	Direct Enantioselective HPLC Monitoring of Lipase-Catalyzed Kinetic Resolution of 2-Phenoxy Propionic Acid in Non-Standard Organic Solvents. <i>Chromatographia</i> , 2007, 65, 681-686.	0.7	4
71	Non-commercial Polysaccharides-based Chiral Selectors in Enantioselective Chromatography. <i>Recent Advances in Analytical Techniques</i> , 2019, , 228-262.	0.2	3
72	Asymmetric Catalysis in Organic Synthesis. <i>Catalysts</i> , 2019, 9, 775.	1.6	2

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73	Lipase-Mediated Chiral Resolution of Racemates in Organic Solvents. ChemInform, 2005, 36, no.	0.1	1
74	Sub-2 $\mu$ m Silica Particles in Chiral Separation. , 2018, , .		1
75	Chirobiotic V Versus Chiralpak ID for the Enantioselective Chromatographic Separation of Chloroquine: Stability and Validation Study. Journal of Chromatographic Science, 2019, 57, 443-450.	0.7	1
76	Immobilized Chiral Selectors on Monolithic High-Performance Liquid Chromatography Columns. Advances in Chromatography, 2017, , 111-167.	1.0	1
77	Lipase-Catalyzed Irreversible Transesterification of Secondary Alcohols Using Isopropenyl Acetate.. ChemInform, 2003, 34, no.	0.1	0
78	Asymmetric Cyclopropanation of Olefins with an in situ Generated Phenyliodonium Ylide.. ChemInform, 2004, 35, no.	0.1	0
79	Rh(II)-Catalyzed Enantioselective Cyclopropanation of Olefins with Dimethyl Malonate via in situ Generated Phenyliodonium Ylide.. ChemInform, 2005, 36, no.	0.1	0
80	Application of Lipases in Kinetic Resolution of Racemates. ChemInform, 2005, 36, no.	0.1	0
81	Diazo Compounds and Phenyliodonium Ylides in Inter- and Intramolecular Cyclopropanations Catalyzed by Dirhodium(II). Synthesis and Chiral Resolution by GC versus HPLC.. ChemInform, 2005, 36, no.	0.1	0
82	Chirality Research in Australia Special Issue 2014. Chirality, 2014, 26, 675-676.	1.3	0
83	Enantioselective gas chromatographic separation of racemic N-alkylated barbiturates: application of C11-Chirasil-Dex as chiral stationary phase in GC. Analytical Chemistry Insights, 2007, 2, 75-80.	2.7	0