

# Wonjae Lee

## List of Publications by Year in descending order

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54  
papers

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471509

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Liquid chromatographic resolution of racemic amino acids and their derivatives on a new chiral stationary phase based on crown ether. <i>Journal of Chromatography A</i> , 1998, 822, 155-161.	3.7	166
2	Liquid chromatographic resolution of racemic amines and amino alcohols on a chiral stationary phase derived from crown ether. <i>Journal of Chromatography A</i> , 1999, 837, 75-82.	3.7	98
3	Chiral recognition of (18-crown-6)-tetracarboxylic acid as a chiral selector determined by NMR spectroscopy. <i>Perkin Transactions II RSC</i> , 2001, , 1685-1692.	1.1	67
4	Direct liquid chromatographic enantiomer separation of new fluoroquinolones including gemifloxacin. <i>Journal of Chromatography A</i> , 2000, 879, 113-120.	3.7	65
5	Development and application of chiral crown ethers as selectors for chiral separation in high-performance liquid chromatography and nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 2013, 1274, 1-5.	3.7	57
6	Liquid chromatographic resolution of gemifloxacin mesylate on a chiral stationary phase derived from crown ether. <i>Biomedical Chromatography</i> , 2002, 16, 356-360.	1.7	47
7	Enantioseparation of $\hat{\pm}$ -amino acids on an 18-crown-6-tetracarboxylic acid-bonded silica by capillary electrochromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 1425-1428.	3.7	36
8	Liquid Chromatographic Enantiomer Separation of N-Phthaloyl Protected $\hat{\pm}$ -Amino Acids on Coated and Immobilized Chiral Stationary Phases Derived from Polysaccharide Derivatives. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 1-9.	1.0	32
9	Comparative studies between covalently immobilized and coated chiral stationary phases based on polysaccharide derivatives for enantiomer separation of $\hat{\pm}$ -protected amino acids and their ester derivatives. <i>Chirality</i> , 2009, 21, 871-877.	2.6	32
10	Development of the Antipode of the Covalently Bonded Crown Ether Type Chiral Stationary Phase for the Advantage of the Reversal of Elution Order. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 841-848.	1.0	31
11	LIQUID CHROMATOGRAPHIC RESOLUTION OF RACEMIC COMPOUNDS CONTAINING A PRIMARY AMINO GROUP ON A DYNAMIC CHIRAL STATIONARY PHASE DERIVED FROM CHIRAL CROWN ETHER. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 2669-2682.	1.0	28
12	Enantioseparation of aromatic amino acids and amino acid esters by capillary electrophoresis with crown ether and prediction of enantiomer migration orders by a three-dimensional quantitative structure-property relationship/comparative field analysis model. <i>Electrophoresis</i> , 2004, 25, 2755-2760.	2.4	27
13	Comparison of enantiomer separation on two chiral stationary phases derived from (+)-18-crown-6-2,3,11,12-tetracarboxylic acid of the same chiral selector. <i>Microchemical Journal</i> , 2005, 80, 213-217.	4.5	25
14	Enantioseparation of N-fluorenylmethoxycarbonyl $\hat{\pm}$ -amino acids on polysaccharide-derived chiral stationary phases by reverse mode liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 914-919.	2.8	23
15	Chiral discrimination studies of (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid by high-performance liquid chromatography and NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 389-395.	1.9	20
16	Covalently Bonded and Coated Chiral Stationary Phases Derived from Polysaccharide Derivatives for Enantiomer Separation of N-Fluorenylmethoxycarbonyl $\hat{\pm}$ -Amino Acids with Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 1793-1801.	1.0	19
17	Chiral separation using chiral crown ethers as chiral selectors in chirotechnology. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 225-231.	5.3	19
18	Marinopyrones A-D, $\hat{\pm}$ -pyrones from marine-derived actinomycetes of the family Nocardiospiceae. <i>Tetrahedron Letters</i> , 2016, 57, 1997-2000.	1.4	18

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19	Liquid Chromatographic Resolution of Pyrethroid Acids and Their Esters on Chiral Stationary Phases. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 189-192.	1.4	15
20	Enantiomer Resolution of Nonsteroidal Anti-Inflammatory Drugs on Chiral Stationary Phases Derived from Polysaccharide Derivatives. <i>Chinese Journal of Analytical Chemistry</i> , 2008, 36, 1207-1211.	1.7	14
21	A Multifunctional and Possible Skin UV Protectant, (3R)-5-Hydroxymellein, Produced by an Endolichenic Fungus Isolated from <i>Parmotrema austrosinense</i> . <i>Molecules</i> , 2017, 22, 26.	3.8	14
22	Direct enantiomer separation of thyroxine in pharmaceuticals using crown ether type chiral stationary phase. <i>Archives of Pharmacal Research</i> , 2010, 33, 1419-1423.	6.3	13
23	A convenient method for the enantiomeric separation of $\hat{1}\pm$ -amino acid esters as benzophenone imine Schiff base derivatives. <i>Archives of Pharmacal Research</i> , 2012, 35, 1015-1019.	6.3	12
24	Identification and discrimination of three common Aloe species by high performance liquid chromatography-tandem mass spectrometry coupled with multivariate analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 163-171.	2.3	12
25	DIRECT LIQUID CHROMATOGRAPHIC ENANTIOMER SEPARATION OF N-tert-BUTOXYCARBONYL AND N-BENZYL-OXYCARBONYL $\hat{1}\pm$ -AMINO ACIDS USING POLYSACCHARIDE DERIVED CHIRAL STATIONARY PHASES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 523-530.	1.0	11
26	A convenient and validated enantiomer separation of chiral aliphatic amines as nitrobenzoxadiazole derivatives on polysaccharide-derived chiral stationary phases under simultaneous ultraviolet and fluorescence detection. <i>Chirality</i> , 2016, 28, 789-794.	2.6	10
27	Liquid chromatographic enantiomer separation of 1-naphthylamides of chiral acids using several amylose- and cellulose-derived chiral stationary phases. <i>Archives of Pharmacal Research</i> , 2017, 40, 350-355.	6.3	9
28	Liquid chromatographic enantiomer resolution of N-fluorenylmethoxycarbonyl $\hat{1}\pm$ -amino acids and their ester derivatives on polysaccharide-derived chiral stationary phases. <i>Journal of Separation Science</i> , 2005, 28, 2057-2060.	2.5	8
29	Assessing chiral self-recognition using chiral stationary phases. <i>Tetrahedron</i> , 2011, 67, 7143-7147.	1.9	8
30	Chiral Profiling Analysis of $\hat{1}^2$ -Blockers by Capillary Electrophoresis Using Dual Chiral Selectors. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1340-1344.	1.9	8
31	Effect of the Amide Connecting Tether Type of Pirkle-Concept Chiral Stationary Phases Derived from (S)-N-(3,5-Dinitrobenzoyl)Leucine on Enantiomeric Separations. <i>Analytical Letters</i> , 1999, 32, 423-432.	1.8	7
32	Liquid chromatographic enantiomer resolution of N-hydrazide derivatives of 2-aryloxypropionic acids on a crown ether derived chiral stationary phase. <i>Chirality</i> , 2007, 19, 120-123.	2.6	7
33	LIQUID CHROMATOGRAPHIC ENANTIOMER SEPARATION OF AMINO ACID ESTERS AS 9-ANTHRALDIMINE SCHIFF BASES USING POLYSACCHARIDE-DERIVED CHIRAL STATIONARY PHASES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 209-216.	1.0	7
34	Enantioseparation and chiral recognition of $\hat{1}\pm$ -amino acids and their derivatives on ( $\hat{1}$ )-18-crown-6-tetracarboxylic acid bonded silica by capillary electrochromatography. <i>Archives of Pharmacal Research</i> , 2015, 38, 1499-1505.	6.3	7
35	Comparison of several polysaccharide-derived chiral stationary phases for the enantiomer separation of N-fluorenylmethoxy-carbonyl $\hat{1}\pm$ -amino acids by hplc. <i>Archives of Pharmacal Research</i> , 2007, 30, 659-664.	6.3	6
36	Determination of Chemical and Enantiomeric Purity of $\hat{1}\pm$ -Amino Acids and their Methyl Esters as N-fluorenylmethoxycarbonyl Derivatives Using Amylose-derived Chiral Stationary Phases. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 332-338.	1.9	5

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37	Preparation and determination of optical purity of $\hat{I}^3$ -lysine modified peptide nucleic acid analogues. Archives of Pharmacal Research, 2012, 35, 517-522.	6.3	4
38	A simple and simultaneous identification method for aloe, catechu and gambir by high performance liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 73-78.	2.8	4
39	Liquid Chromatographic Enantiomeric Separation of Chiral Aliphatic Amines Using 2-Hydroxynaphthaldehyde as a Derivatizing Agent on Polysaccharide-Derived Chiral Stationary Phases. Chromatographia, 2018, 81, 1337-1344.	1.3	4
40	Characterization of Ripening Bananas by Monitoring the Amino Acid Composition by Gas Chromatography- $\hat{M}$ ass Spectrometry With Selected Ion Monitoring and Star Pattern Analysis. Analytical Letters, 2019, 52, 2496-2505.	1.8	4
41	Stereoselective Determination of Thyroxine Enantiomers on Chiral Crown Ether Column by UPLC- $\hat{E}$ SI- $\hat{T}$ andem Mass Spectrometry. Bulletin of the Korean Chemical Society, 2020, 41, 563-566.	1.9	4
42	Comprehensive Targeted Metabolomic Study in the Lung, Plasma, and Urine of PPE/LPS-Induced COPD Mice Model. International Journal of Molecular Sciences, 2022, 23, 2748.	4.1	4
43	CHIRAL RECOGNITION USING A CONFORMATIONALLY RIGID CHIRAL STATIONARY PHASE DERIVED FROM $\hat{I}^{\pm}$ -AMINO- $\hat{\mu}$ -CARPROLACTAM. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 2725-2732.	1.0	3
44	Enantiodiscrimination Using a Chiral Crown Ether as a Chiral Solvating Agent Using NMR Spectroscopy. Natural Product Communications, 2019, 14, 1934578X1984919.	0.5	3
45	Simultaneous enantioselective separation method for thyroid hormones using liquid chromatography- $\hat{t}$ andem mass spectrometry and its applications. Journal of Pharmaceutical and Biomedical Analysis, 2021, 196, 113904.	2.8	3
46	Simultaneous Urinary Creatine and Creatinine Analysis by High Performance Liquid Chromatography. Bulletin of the Korean Chemical Society, 2016, 37, 756-758.	1.9	2
47	Liquid Chromatographic Enantiomer Separation of $\hat{I}^{\pm}$ -Amino Acid Esters as Nitrobenzoxadiazole Derivatives Using Polysaccharide-Derived Chiral Stationary Phases. Journal of the Chosun Natural Science, 2015, 8, 111-116.	0.0	2
48	Monitoring of Epidermal Growth Factor Degradation Products by High-Performance Liquid Chromatography. Bulletin of the Korean Chemical Society, 2018, 39, 864-867.	1.9	1
49	Deracemization of Racemic Amino Acids Using (R)- and (S)-Alanine Racemase Chiral Analogues as Chiral Converters. Bulletin of the Korean Chemical Society, 2014, 35, 2186-2188.	1.9	1
50	Metabolomic analysis of amino acids and organic acids in aging mouse eyes using gas chromatography- $\hat{t}$ andem mass spectrometry. Biomedical Chromatography, 2021, , e5298.	1.7	1
51	CHROMATOGRAPHIC RESOLUTION OF $\hat{\epsilon}$ -ACIDIC ANALYTES ON $\hat{\epsilon}$ -ACIDIC CHIRAL STATIONARY PHASES. Analytical Letters, 2001, 34, 2785-2795.	1.8	0
52	Application of an (18-Crown-6)-2,3,11,12-Tetracarboxylic Acid-Based Chiral Stationary Phase in Capillary Electrochromatography. Methods in Molecular Biology, 2019, 1985, 445-452.	0.9	0
53	Tranexamic Acid Analysis as Ethoxycarbonyl- $\hat{t}$ ert- $\hat{b}$ utyldimethylsilyl Derivatives by Gas Chromatography- $\hat{t}$ andem Mass Spectrometry. Bulletin of the Korean Chemical Society, 2020, 41, 336-340.	1.9	0
54	Enantiomer Separation of $\hat{I}^{\pm}$ -Amino Acid Esters as Nitrobenzoxadiazole Derivatives Using Chiral Columns. KSBB Journal, 2013, 28, 423-427.	0.2	0