

Lee-Chiang Lo Lo

List of Publications by Year in descending order

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55
papers

1,643
citations

361413

20
h-index

289244

40
g-index

63
all docs

63
docs citations

63
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Selection for Catalysis in Combinatorial Antibody Libraries. <i>Science</i> , 1997, 275, 945-948.	12.6	224
2	Development of highly selective and sensitive probes for hydrogen peroxideElectronic supplementary information (ESI) available: general methods. See http://www.rsc.org/suppdata/cc/b3/b309393j/ . <i>Chemical Communications</i> , 2003, , 2728.	4.1	172
3	Design and Synthesis of Class-Selective Activity Probes for Protein Tyrosine Phosphatases. <i>Journal of Proteome Research</i> , 2002, 1, 35-40.	3.7	115
4	Na,K-ATPase Inhibitors from Bovine Hypothalamus and Human Plasma Are Different from Ouabain: Nanogram Scale CD Structural Analysis. <i>Biochemistry</i> , 1995, 34, 9893-9896.	2.5	105
5	Andrographolide and its fluorescent derivative inhibit the main proteases of 2019-nCoV and SARS-CoV through covalent linkage. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 467-473.	2.1	86
6	Design and Synthesis of Activity Probes for Glycosidases. <i>Organic Letters</i> , 2002, 4, 3607-3610.	4.6	84
7	Fluorous Oxime Palladacycle: A Precatalyst for Carbon-Carbon Coupling Reactions in Aqueous and Organic Medium. <i>Journal of Organic Chemistry</i> , 2012, 77, 2729-2742.	3.2	83
8	Nitrophenylboronic Acids as Highly Chemoselective Probes To Detect Hydrogen Peroxide in Foods and Agricultural Products. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11403-11406.	5.2	70
9	Development of a fluorous, oxime-based palladacycle for microwave-promoted carbon-carbon coupling reactions in aqueous media. <i>Green Chemistry</i> , 2012, 14, 77-80.	9.0	58
10	Ferric chloride, an anomerization catalyst for the preparation of alkyl α -glycopyranosides. <i>Tetrahedron Letters</i> , 1992, 33, 4295-4298.	1.4	53
11	A CD-Spectroscopic Alternative to Methylation Analysis of Oligosaccharides: Reference Spectra for Identification of Chromophoric Glycopyranoside Derivatives. <i>Helvetica Chimica Acta</i> , 1990, 73, 509-551.	1.6	51
12	Design of a Mechanism-Based Probe for Neuraminidase To Capture Influenza Viruses. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6888-6892.	13.8	34
13	Development of an Activity-Based Probe for Steroid Sulfatases. <i>ChemBioChem</i> , 2007, 8, 2187-2190.	2.6	32
14	Palladium-catalyzed annulation of internal alkynes in aqueous medium. <i>RSC Advances</i> , 2014, 4, 4921.	3.6	31
15	Study of the preferred modification sites of the quinone methide intermediate resulting from the latent trapping device of the activity probes for hydrolases. <i>Biochemical and Biophysical Research Communications</i> , 2004, 326, 30-35.	2.1	28
16	Mutagenesis and mechanistic study of a glycoside hydrolase family 54 α -L-arabinofuranosidase from <i>Trichoderma koningii</i> . <i>Biochemical Journal</i> , 2007, 401, 551-558.	3.7	28
17	Detection of Subpicomole Levels of Compounds Containing Hydroxyl and Amino Groups with the Fluorogenic Reagent, 2-Naphthoylimidazole. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 890-891.	4.4	27
18	A versatile mechanism based reaction probe for the direct selection of biocatalysts. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2117-2120.	2.2	27

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19	Expedient carbonylation of aryl halides in aqueous or neat condition. <i>Tetrahedron</i> , 2014, 70, 8545-8558.	1.9	25
20	Polymer-Supported Benzotriazoles as Catalysts in the Synthesis of Tetrahydroquinolines by Condensation of Aldehydes with Aromatic Amines. <i>ACS Combinatorial Science</i> , 2001, 3, 341-345.	3.3	21
21	Diterpenoids with Anti-Inflammatory Activity from the Wood of <i>Cunninghamia konishii</i> . <i>Molecules</i> , 2013, 18, 682-689.	3.8	21
22	Development of Activity-Based Probes for Imaging Human α -L-Fucosidases in Cells. <i>Journal of Organic Chemistry</i> , 2015, 80, 8458-8463.	3.2	21
23	Synthesis and evaluation of turn-on fluorescent probes for imaging steroid sulfatase activities in cells. <i>Chemical Communications</i> , 2014, 50, 6116-6119.	4.1	20
24	Design and Synthesis of an Activity Probe for Protein Tyrosine Phosphatases. <i>Journal of the Chinese Chemical Society</i> , 1999, 46, 715-718.	1.4	17
25	Constitutive secretion of serum albumin requires reversible protein tyrosine phosphorylation events in trans-Golgi. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C748-C756.	4.6	16
26	Development of activity-based probes with tunable specificity for protein tyrosine phosphatase subfamilies. <i>Tetrahedron</i> , 2010, 66, 4521-4529.	1.9	16
27	Circular dichroic studies of 2-amino-2-deoxy-galactopyranosides - conformations of the 2-(N-acetyl-p-bromobenzamido) group. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 321-330.	1.8	14
28	A Novel Coumarin-Type Derivatizing Reagent of Alcohols: Application in the CD Exciton Chirality Method for Microscale Structural Determination. <i>Organic Letters</i> , 2000, 2, 683-685.	4.6	11
29	Detection of Human α -L-Fucosidases by a Quinone Methide-Generating Probe: Enhanced Activities in Response to <i>Helicobacter pylori</i> Infection. <i>ChemBioChem</i> , 2015, 16, 1555-1559.	2.6	11
30	Development of a Bifunctional Andrographolide-Based Chemical Probe for Pharmacological Study. <i>PLoS ONE</i> , 2016, 11, e0152770.	2.5	11
31	Selective activation of SHP2 activity by cisplatin revealed by a novel chemical probe-based assay. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 230-234.	2.1	10
32	Nachweis von Verbindungen mit Hydroxy- und Aminogruppen im Subpicomolbereich mit 2-Naphthoylimidazol als Fluoreszenzmarker. <i>Angewandte Chemie</i> , 1992, 104, 918-919.	2.0	8
33	CD exciton chirality method for determination of the absolute configuration of β -hydroxy- β -amino acid derivatives. <i>Chirality</i> , 2001, 13, 266-271.	2.6	8
34	A CD Exciton Chirality Method for Determination of the Absolute Configuration of threo- β -Aryl- β -hydroxy- β -amino Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2002, 67, 1368-1371.	3.2	8
35	Rapid and selective isolation of β -xylosidase through an activity-based chemical approach. <i>Biotechnology Journal</i> , 2006, 1, 197-202.	3.5	8
36	Application of a recyclable fluoros oxime in the convenient synthesis of 3-amino-1,2-benzisoxazoles and 4-amino-1H-2,3-benzoxazines. <i>Green Chemistry</i> , 2013, 15, 780.	9.0	8

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37	Synthesis and Evaluation of Activity-Based Probes Carrying a 5'-Fluorosulfonylbenzoyl Adenosine Moiety for Protein Kinases. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 846-854.	1.4	8
38	Design, synthesis, and evaluation of cell permeable probes for protein kinases. <i>Tetrahedron</i> , 2016, 72, 58-68.	1.9	8
39	Separation of diastereomers of protected dipeptides by normal-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1989, 472, 336-339.	3.7	6
40	Facile synthesis toward the construction of an activity probe library for glycosidases. <i>Carbohydrate Research</i> , 2006, 341, 443-456.	2.3	6
41	Oligosaccharide microscale analysis by circular dichroic spectroscopy: Reference spectra for chromophoric d-fructofuranoside derivatives. <i>Carbohydrate Research</i> , 1993, 239, 11-33.	2.3	5
42	Lipase-catalyzed acetylation of N-acetylneuraminic acid derivative. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 709-712.	2.2	5
43	A Convenient Chemoenzymatic Synthesis of (4 <i>S</i> ,5 <i>S</i>)-(+)-4,4 <i>a</i> ,5,6,7,8-Hexahydro-5-hydroxy-4 <i>a</i> -methylnaphthalen-2(3 <i>H</i>)-one. <i>Journal of Organic Chemistry</i> , 2002, 67, 282-285.	3.2	5
44	Synthesis of non-hydrolyzable substrate analogs for Asp-tRNA ^{Asn} /Glu-tRNA ^{Gln} amidotransferase. <i>Tetrahedron Letters</i> , 2014, 55, 6204-6207.	1.4	5
45	Side reaction in peptide synthesis. <i>International Journal of Peptide and Protein Research</i> , 2009, 35, 52-54.	0.1	4
46	The Preparation of β -Cycloalkyl-L-Aspartate and β -Cycloalkyl-L-Glutamate by Enzymatic Hydrolyses. <i>Journal of the Chinese Chemical Society</i> , 1989, 36, 459-462.	1.4	3
47	Development of a Plate-Based Assay Platform to Monitor Cellular SHP2 Phosphatase Activity During Erythroid Differentiation. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 297-304.	1.4	3
48	Development and Evaluation of Novel Phosphotyrosine Mimetic Inhibitors Targeting the Src Homology 2 Domain of Signaling Lymphocytic Activation Molecule (SLAM) Associated Protein. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2841-2849.	6.4	3
49	Aconitamide, a Novel Alkaloid from the Roots of <i>Aconitum carmichaeli</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	3
50	Synthesis of Activity Probes for β -Xylosidase. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 479-488.	1.4	2
51	A Convenient Preparation of Bis(4-methoxyphenyl)methanethiol and Its Application in the Synthesis of Biotin Thioacid. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 707-710.	1.4	2
52	Rapid Synthesis of a Natural Product-Inspired Uridine Containing Library. <i>ACS Combinatorial Science</i> , 2020, 22, 600-607.	3.8	2
53	Unveiling a novel serpinB2-tripeptidyl peptidase II signaling axis during senescence. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	2
54	Utilizing hydrolases of opposite enantioselectivity for the preparation of both enantiomers of (1 <i>R</i> ,7 <i>aR</i>)-(-)- and (1 <i>S</i> ,7 <i>aS</i>)-(+)-3,6,7,7 <i>a</i> -tetrahydro-1-hydroxy-7 <i>a</i> -methyl-1 <i>H</i> -inden-5(2 <i>H</i>)-one. <i>Chirality</i> , 2004, 16, 267-271.	2.6	0

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55	Versatile Azido-Functionalized Carbon Dots for Cancer Cell Imaging. ACS Applied Nano Materials, 2022, 5, 12374-12379.	5.0	0