Lara R Malins

List of Publications by Year
in descending order

50 papers	4,008 citations	147566 31 h-index	197535 49 g-index
58 all docs	58 docs citations	58 times ranked	3041 citing authors

#	Article	IF	Citations
1	Polymer End Group Control through a Decarboxylative Cobalt-Mediated Radical Polymerization: New Avenues for Synthesizing Peptide, Protein, and Nanomaterial Conjugates. Jacs Au, 2022, 2, 169-177.	3.6	4
2	Umpolung strategies for the functionalization of peptides and proteins. Chemical Science, 2022, 13, 2809-2823.	3.7	19
3	Investigating Bicyclobutaneâ€"Triazolinedione Cycloadditions as a Tool for Peptide Modification. Organic Letters, 2022, 24, 1268-1273.	2.4	23
4	Electrochemistry for the Chemoselective Modification of Peptides and Proteins. Journal of the American Chemical Society, 2022, 144, 23-41.	6.6	37
5	Synthesis of Amino Acid Î±-Thioethers and Late-Stage Incorporation into Peptides. Organic Letters, 2022, 24, 3680-3685.	2.4	3
6	Peptide macrocyclisation <i>via</i> late-stage reductive amination. Organic and Biomolecular Chemistry, 2022, 20, 6250-6256.	1.5	2
7	Accessing Diverse Cross-Benzoin and Î±-Siloxy Ketone Products via Acyl Substitution Chemistry. Journal of Organic Chemistry, 2022, 87, 9408-9413.	1.7	1
8	Electrochemically Enabled C-Terminal Peptide Modifications. Methods in Molecular Biology, 2021, 2355, 131-139.	0.4	1
9	A Rapid and Mild Sulfation Strategy Reveals Conformational Preferences in Therapeutically Relevant Sulfated Xylooligosaccharides. Chemistry - A European Journal, 2021, 27, 9830-9838.	1.7	10
10	An Electrochemical Approach to Designer Peptide Î±-Amides Inspired by Î±-Amidating Monooxygenase Enzymes. Journal of the American Chemical Society, 2021, 143, 11811-11819.	6.6	20
11	Organometallic reagents primed for peptide modification. Chem Catalysis, 2021, 1, 758-760.	2.9	1
12	Structurally Diverse Acyl Bicyclobutanes: Valuable Strained Electrophiles. Chemistry - A European Journal, 2020, 26, 2808-2812.	1.7	36
13	Total synthesis of biseokeaniamides Aâ€"C and late-stage electrochemically-enabled peptide analogue synthesis. Chemical Science, 2020, 11, 10752-10758.	3.7	18
14	Decarboxylative Couplings for Late-Stage Peptide Modifications. Methods in Molecular Biology, 2020, 2103, 275-285.	0.4	1
15	Lateâ€Stage Functionalization of Histidine in Unprotected Peptides. Angewandte Chemie, 2019, 131, 19272-19278.	1.6	34
16	Lateâ€Stage Functionalization of Histidine in Unprotected Peptides. Angewandte Chemie - International Edition, 2019, 58, 19096-19102.	7.2	47
17	Decarboxylative couplings as versatile tools for lateâ€stage peptide modifications. Peptide Science, 2018, 110, e24049.	1.0	44
18	Peptide modification and cyclization via transition-metal catalysis. Current Opinion in Chemical Biology, 2018, 46, 25-32.	2.8	73

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19	Total Synthesis of Suillusin. Organic Letters, 2018, 20, 7304-7307.	2.4	4
20	Hitting the sweet spot. Nature Chemistry, 2018, 10, 578-580.	6.6	0
21	Strain-Release Heteroatom Functionalization: Development, Scope, and Stereospecificity. Journal of the American Chemical Society, 2017, 139, 3209-3226.	6.6	198
22	Decarboxylative alkenylation. Nature, 2017, 545, 213-218.	13.7	277
23	Decarboxylative Alkynylation. Angewandte Chemie, 2017, 129, 12068-12072.	1.6	40
24	Decarboxylative Alkynylation. Angewandte Chemie - International Edition, 2017, 56, 11906-11910.	7.2	136
25	Peptide Macrocyclization Inspired by Non-Ribosomal Imine Natural Products. Journal of the American Chemical Society, 2017, 139, 5233-5241.	6.6	90
26	Nickelâ€Catalyzed Barton Decarboxylation and Giese Reactions: A Practical Take on Classic Transforms. Angewandte Chemie, 2017, 129, 266-271.	1.6	70
27	Nickelâ€Catalyzed Barton Decarboxylation and Giese Reactions: A Practical Take on Classic Transforms. Angewandte Chemie - International Edition, 2017, 56, 260-265.	7.2	229
28	CITU: A Peptide and Decarboxylative Coupling Reagent. Organic Letters, 2017, 19, 6196-6199.	2.4	31
29	Residue-Specific Peptide Modification: A Chemistâ€™s Guide. Biochemistry, 2017, 56, 3863-3873.	1.2	395
30	Oneâ€Pot Ligationâ€"Oxidative Deselenization at Selenocysteine and Selenocystine. Chemistry - A European Journal, 2017, 23, 946-952.	1.7	37
31	Transition Metal-Promoted Arylation: An Emerging Strategy for Protein Bioconjugation. Australian Journal of Chemistry, 2016, 69, 1360.	0.5	14
32	A general alkyl-alkyl cross-coupling enabled by redox-active esters and alkylzinc reagents. Science, 2016, 352, 801-805.	6.0	579
33	Single addition of an allylamine monomer enables access to end-functionalized RAFT polymers for native chemical ligation. Chemical Communications, 2016, 52, 12952-12955.	2.2	15
34	Strain-release amination. Science, 2016, 351, 241-246.	6.0	310
35	Oxidative Deselenization of Selenocysteine: Applications for Programmed Ligation at Serine. Angewandte Chemie - International Edition, 2015, 54, 12716-12721.	7.2	84
36	Synthesis of Î²-Thiol Phenylalanine for Applications in One-Pot Ligationâ€"Desulfurization Chemistry. Organic Letters, 2015, 17, 2070-2073.	2.4	37

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37	Thiazolidine-Protected Î²-Thiol Asparagine: Applications in One-Pot Ligationâ€"Desulfurization Chemistry. Organic Letters, 2015, 17, 4902-4905.	2.4	33
38	Synthetic Amino Acids for Applications in Peptide Ligationâ€"Desulfurization Chemistry. Australian Journal of Chemistry, 2015, 68, 521.	0.5	61
39	Rapid Additive-Free Selenocystineâ€"Selenoester Peptide Ligation. Journal of the American Chemical Society, 2015, 137, 14011-14014.	6.6	181
40	Recent extensions to native chemical ligation for the chemical synthesis of peptides and proteins. Current Opinion in Chemical Biology, 2014, 22, 70-78.	2.8	127
41	Modern Extensions of Native Chemical Ligation for Chemical Protein Synthesis. Topics in Current Chemistry, 2014, 362, 27-87.	4.0	18
42	Peptide ligation chemistry at selenol amino acids. Journal of Peptide Science, 2014, 20, 64-77.	0.8	65
43	Chemoselective sulfenylation and peptide ligation at tryptophan. Chemical Science, 2014, 5, 260-266.	3.7	66
44	Site-Selective Solid-Phase Synthesis of a CCR5 Sulfopeptide Library To Interrogate HIV Binding and Entry. ACS Chemical Biology, 2014, 9, 2074-2081.	1.6	22
45	One-Pot Peptide Ligationâ€"Desulfurization at Glutamate. Organic Letters, 2014, 16, 290-293.	2.4	74
46	Peptide Ligationâ€"Desulfurization Chemistry at Arginine. ChemBioChem, 2013, 14, 559-563.	1.3	84
47	Synthesis and Utility of Î²-Selenol-Phenylalanine for Native Chemical Ligationâ€"Deselenization Chemistry. Organic Letters, 2012, 14, 3142-3145.	2.4	82
48	Selfâ€Adjuvanting Multicomponent Cancer Vaccine Candidates Combining Perâ€Glycosylated MUC1 Glycopeptides and the Tollâ€like Receptor 2 Agonist Pam₃CysSer. Angewandte Chemie - International Edition, 2011, 50, 1635-1639.	7.2	145
49	Synthesis of MUC1â€"lipopeptide chimeras. Chemical Communications, 2010, 46, 6249.	2.2	45
50	Synthesis of Peptide N-Acylpyrroles via Anodically Generated N,O-Acetals. Synthesis, 0, , .	1.2	5