

# Marcus J C Long

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,920  
citations

236612

25  
h-index

276539

41  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox Signaling by Reactive Electrophiles and Oxidants. <i>Chemical Reviews</i> , 2018, 118, 8798-8888.	23.0	232
2	Inhibitor Mediated Protein Degradation. <i>Chemistry and Biology</i> , 2012, 19, 629-637.	6.2	105
3	On-Demand Targeting: Investigating Biology with Proximity-Directed Chemistry. <i>Journal of the American Chemical Society</i> , 2016, 138, 3610-3622.	6.6	68
4	Substoichiometric Hydroxynonenylation of a Single Protein Recapitulates Whole-Cell-Stimulated Antioxidant Response. <i>Journal of the American Chemical Society</i> , 2015, 137, 10-13.	6.6	66
5	Naturally Occurring Isothiocyanates Exert Anticancer Effects by Inhibiting Deubiquitinating Enzymes. <i>Cancer Research</i> , 2015, 75, 5130-5142.	0.4	65
6	Mechanistic Studies of Semicarbazone Triapine Targeting Human Ribonucleotide Reductase in Vitro and in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 35768-35778.	1.6	64
7	Privileged Electrophile Sensors: A Resource for Covalent Drug Development. <i>Cell Chemical Biology</i> , 2017, 24, 787-800.	2.5	63
8	T-REX on-demand redox targeting in live cells. <i>Nature Protocols</i> , 2016, 11, 2328-2356.	5.5	62
9	Temporally Controlled Targeting of 4-Hydroxynonenal to Specific Proteins in Living Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 14496-14499.	6.6	60
10	Modular Total Synthesis and Cell-Based Anticancer Activity Evaluation of Ouabagenin and Other Cardiotonic Steroids with Varying Degrees of Oxygenation. <i>Journal of the American Chemical Society</i> , 2019, 141, 4849-4860.	6.6	59
11	Kinetic resolution and parallel kinetic resolution of methyl ( $\hat{\text{A}}\pm$ )-5-alkyl-cyclopentene-1-carboxylates for the asymmetric synthesis of 5-alkyl-cis-pentacin derivatives. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2762.	1.5	58
12	Akt3 is a privileged first responder in isozyme-specific electrophile response. <i>Nature Chemical Biology</i> , 2017, 13, 333-338.	3.9	56
13	Boc <sub>3</sub> Arg-Linked Ligands Induce Degradation by Localizing Target Proteins to the 20S Proteasome. <i>ACS Chemical Biology</i> , 2016, 11, 3328-3337.	1.6	53
14	Ube2V2 Is a Rosetta Stone Bridging Redox and Ubiquitin Codes, Coordinating DNA Damage Responses. <i>ACS Central Science</i> , 2018, 4, 246-259.	5.3	51
15	Using supramolecular hydrogels to discover the interactions between proteins and molecular nanofibers of small molecules. <i>Chemical Communications</i> , 2012, 48, 8404.	2.2	49
16	Glutathione (GSH)-decorated magnetic nanoparticles for binding glutathione-S-transferase (GST) fusion protein and manipulating live cells. <i>Chemical Science</i> , 2011, 2, 945.	3.7	48
17	Prion-like Nanofibrils of Small Molecules (PriSM) Selectively Inhibit Cancer Cells by Impeding Cytoskeleton Dynamics. <i>Journal of Biological Chemistry</i> , 2014, 289, 29208-29218.	1.6	46
18	Clofarabine Targets the Large Subunit ( $\hat{\text{A}}\pm$ ) of Human Ribonucleotide Reductase in Live Cells by Assembly into Persistent Hexamers. <i>Chemistry and Biology</i> , 2012, 19, 799-805.	6.2	45

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19	Post-transcriptional regulation of Nrf2 mRNA by the mRNA-binding proteins HuR and AUF1. <i>FASEB Journal</i> , 2019, 33, 14636-14652.	0.2	42
20	Preparation of methyl (1R,2S,5S)- and (1S,2R,5R)-2-amino-5-tert-butyl-cyclopentane-1-carboxylates by parallel kinetic resolution of methyl (RS)-5-tert-butyl-cyclopentene-1-carboxylate. <i>Chemical Communications</i> , 2003, , 2410-2411.	2.2	41
21	Parallel kinetic resolution of tert-butyl (RS)-3-alkyl-cyclopentene-1-carboxylates for the asymmetric synthesis of 3-alkyl-cis-pentacin derivatives. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 3355-3362.	1.5	40
22	Cell Compatible Trimethoprim-Decorated Iron Oxide Nanoparticles Bind Dihydrofolate Reductase for Magnetically Modulating Focal Adhesion of Mammalian Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 10006-10009.	6.6	38
23	Cladribine and Fludarabine Nucleotides Induce Distinct Hexamers Defining a Common Mode of Reversible RNR Inhibition. <i>ACS Chemical Biology</i> , 2016, 11, 2021-2032.	1.6	33
24	Proteomics and Beyond: Cell Decision-Making Shaped by Reactive Electrophiles. <i>Trends in Biochemical Sciences</i> , 2019, 44, 75-89.	3.7	33
25	Mushroom Tyrosinase Oxidizes Tyrosine-Rich Sequences to Allow Selective Protein Functionalization. <i>ChemBioChem</i> , 2012, 13, 1818-1825.	1.3	27
26	Ubiquitin-mediated Small Molecule Inhibition of Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling. <i>Journal of Biological Chemistry</i> , 2016, 291, 5221-5233.	1.6	25
27	Magnetic nanoparticles for direct protein sorting inside live cells. <i>Chemical Science</i> , 2012, 3, 3495.	3.7	24
28	Cardiovascular Small Heat Shock Protein HSPB7 Is a Kinetically Privileged Reactive Electrophilic Species (RES) Sensor. <i>ACS Chemical Biology</i> , 2018, 13, 1824-1831.	1.6	24
29	Precision Targeting of pten-Null Triple-Negative Breast Tumors Guided by Electrophilic Metabolite Sensing. <i>ACS Central Science</i> , 2020, 6, 892-902.	5.3	24
30	Stereodivergent and Regioselective Synthesis of 3,4-cis- and 3,4-trans-Pyrrolidinediols from $\alpha$ -Amino Acids. <i>Organic Letters</i> , 2004, 6, 2273-2276.	2.4	23
31	The Die Is Cast: Precision Electrophilic Modifications Contribute to Cellular Decision Making. <i>Chemical Research in Toxicology</i> , 2016, 29, 1575-1582.	1.7	23
32	Subcellular Redox Targeting: Bridging <i>in Vitro</i> and <i>in Vivo</i> Chemical Biology. <i>ACS Chemical Biology</i> , 2017, 12, 586-600.	1.6	22
33	Nuclear RNR $\alpha$ antagonizes cell proliferation by directly inhibiting ZRANB3. <i>Nature Chemical Biology</i> , 2018, 14, 943-954.	3.9	22
34	Wdr1 and cofilin are necessary mediators of immune-cell-specific apoptosis triggered by Tecfidera. <i>Nature Communications</i> , 2021, 12, 5736.	5.8	21
35	An Oculus to Profile and Probe Target Engagement In Vivo: How T-REX Was Born and Its Evolution into G-REX. <i>Accounts of Chemical Research</i> , 2021, 54, 618-631.	7.6	20
36	Precision Electrophile Tagging in <i>Caenorhabditis elegans</i> . <i>Biochemistry</i> , 2018, 57, 216-220.	1.2	17

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37	Getting the Message? Native Reactive Electrophiles Pass Two Out of Three Thresholds to be Bona Fide Signaling Mediators. <i>BioEssays</i> , 2018, 40, 1700240.	1.2	16
38	Ammonium directed dihydroxylation of N,N-dibenzylaminocyclohex-2-ene: metal-free syntheses of the diastereoisomers of 3-dibenzylamino-1,2-dihydroxycyclohexane. <i>Chemical Communications</i> , 2005, , 4536.	2.2	14
39	Identification of deubiquitinase targets of isothiocyanates using SILAC-assisted quantitative mass spectrometry. <i>Oncotarget</i> , 2017, 8, 51296-51316.	0.8	14
40	Uncoupling of Allosteric and Oligomeric Regulation in a Functional Hybrid Enzyme Constructed from <i>Escherichia coli</i> and Human Ribonucleotide Reductase. <i>Biochemistry</i> , 2013, 52, 7050-7059.	1.2	13
41	Single-Protein-Specific Redox Targeting in Live Mammalian Cells and <i>C. elegans</i> . <i>Current Protocols in Chemical Biology</i> , 2018, 10, e43.	1.7	13
42	Neighborhood watch: tools for defining locale-dependent subproteomes and their contextual signaling activities. <i>RSC Chemical Biology</i> , 2020, 1, 42-55.	2.0	12
43	Function-guided proximity mapping unveils electrophilic-metabolite sensing by proteins not present in their canonical locales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
44	Interrogating Precision Electrophile Signaling. <i>Trends in Biochemical Sciences</i> , 2019, 44, 380-381.	3.7	9
45	Clofarabine Commandeers the RNR-±-ZNRANB3 Nuclear Signaling Axis. <i>Cell Chemical Biology</i> , 2020, 27, 122-133.e5.	2.5	9
46	Chemical Biology Gateways to Mapping Location, Association, and Pathway Responsivity. <i>Frontiers in Chemistry</i> , 2019, 7, 125.	1.8	8
47	Diarylcarbonates are a new class of deubiquitinating enzyme inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 204-211.	1.0	7
48	The more the merrier: how homo-oligomerization alters the interactome and function of ribonucleotide reductase. <i>Current Opinion in Chemical Biology</i> , 2020, 54, 10-18.	2.8	7
49	Getting the Right Grip? How Understanding Electrophile Selectivity Profiles Could Illuminate Our Understanding of Redox Signaling. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1077-1091.	2.5	6
50	Breaking the Fourth Wall: Modulating Quaternary Associations for Protein Regulation and Drug Discovery. <i>ChemBioChem</i> , 2019, 20, 1091-1104.	1.3	5
51	REX technologies for profiling and decoding the electrophile signaling axes mediated by Rosetta Stone proteins. <i>Methods in Enzymology</i> , 2020, 633, 203-230.	0.4	5
52	The mRNA-Binding Protein HuR Is a Kinetically-Privileged Electrophile Sensor. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000041.	1.0	5
53	Time to Get Turned on by Chemical Biology. <i>ChemBioChem</i> , 2021, 22, 814-817.	1.3	3
54	The not so identical twins: (dis)similarities between reactive electrophile and oxidant sensing and signaling. <i>Chemical Society Reviews</i> , 2021, 50, 12269-12291.	18.7	3

#	ARTICLE	IF	CITATIONS
55	Keap 1: the new Janus word on the block. Bioorganic and Medicinal Chemistry Letters, 2022, , 128766.	1.0	2
56	A primer on harnessing non-enzymatic post-translational modifications for drug design. RSC Medicinal Chemistry, 2021, 12, 1797-1807.	1.7	1
57	Hitting the Bullseye: Endogenous Electrophiles Show Remarkable Nuance in Signaling Regulation. Chemical Research in Toxicology, 2022, 35, 1636-1648.	1.7	1
58	Hiding in Plain Sight: The Issue of Hidden Variables. ACS Chemical Biology, 0, , .	1.6	1