

# Robert L White

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8507149/publications.pdf>

Version: 2024-02-01

61  
papers

1,318  
citations

394421

19  
h-index

377865

34  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fragmentation reactions of protonated 1,2-diamino carboxylic acids: The importance of functional group interactions. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4770.	1.6	1
2	Regioselective N-alkylation of Ethyl 4-benzyloxy-1,2,3-triazolecarboxylate: A Useful Tool for the Synthesis of Carboxylic Acid Bioisosteres. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 501-519.	2.6	14
3	Reduction of Fumarate to Succinate Mediated by <i>Fusobacterium varium</i> . <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 163-175.	2.9	4
4	Fragmentation pathways arising from protonation at different sites in aminoalkyl-substituted 3-hydroxy-1,2,5-oxadiazoles (3-hydroxyfurazans). <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1403-1413.	1.5	3
5	Quantitative determination of the neurotoxin 2-N-methylamino-L-alanine (BMAA) by capillary electrophoresis-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1481-1491.	3.7	32
6	Competing fragmentation processes of 2-substituted propanoate ions upon collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2133-2144.	1.5	4
7	Phenyl group participation in rearrangements during collision-induced dissociation of deprotonated phenoxyacetic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2293-2301.	1.5	3
8	Heterocyclic ring cleavage upon collision-induced dissociation of deprotonated 3-hydroxy-1,2,5-oxadiazoles (3-hydroxyfurazans). <i>Journal of Mass Spectrometry</i> , 2015, 50, 1433-1437.	1.6	5
9	Characterization of multiple fragmentation pathways initiated by collision-induced dissociation of multifunctional anions formed by deprotonation of 2-nitrobenzenesulfonylglycine. <i>Journal of Mass Spectrometry</i> , 2014, 49, 168-177.	1.6	4
10	Rearrangements Leading to Fragmentations of Hydrocinnamate and Analogous Nitrogen-Containing Anions Upon Collision-Induced Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 388-397.	2.8	9
11	Synthesis and tandem mass spectrometry of chlorinated triacylglycerols. <i>Chemistry and Physics of Lipids</i> , 2013, 174, 55-63.	3.2	1
12	Correlations of ion structure with multiple fragmentation pathways arising from collision-induced dissociations of selected 3-hydroxycarboxylic acid anions. <i>Journal of Mass Spectrometry</i> , 2013, 48, 312-320.	1.6	14
13	Chemical Constituents from Stem Bark and Roots of <i>Clausena anisata</i> . <i>Molecules</i> , 2012, 17, 13673-13686.	3.8	37
14	Metabolic footprinting of the anaerobic bacterium <i>Fusobacterium varium</i> using 1H NMR spectroscopy. <i>Molecular BioSystems</i> , 2011, 7, 2220.	2.9	14
15	Identification of reaction products from reactions of free chlorine with the lipid-regulator gemfibrozil. <i>Water Research</i> , 2011, 45, 1414-1422.	11.3	42
16	Glutamate racemization and catabolism in <i>Fusobacterium varium</i> . <i>FEBS Journal</i> , 2011, 278, 2540-2551.	4.7	9
17	Enantioselective catabolism of racemic serine: preparation of d-serine using whole cells of <i>Fusobacterium nucleatum</i> . <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1473-1478.	1.8	4
18	Synthesis of the Neurotransmitter 4-Aminobutanoic Acid (GABA) from Diethyl Cyanomalonate. <i>Letters in Drug Design and Discovery</i> , 2010, 7, 9-13.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Proteomic investigation of amino acid catabolism in the indigenous gut anaerobe <i>Fusobacterium varium</i> . <i>Proteomics</i> , 2008, 8, 2691-2703.	2.2	58
20	Thermal properties of 2-(aminomethyl)dicarboxylic acids. <i>Thermochimica Acta</i> , 2008, 468, 49-54.	2.7	0
21	Proteomic investigation of glucose metabolism in the butyrate-producing gut anaerobe <i>Fusobacterium varium</i> . <i>Proteomics</i> , 2007, 7, 1839-1853.	2.2	37
22	The influence of structural features on facile McLafferty-type, even-electron rearrangements in tandem mass spectra of carboxylate anions. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1511-1516.	1.5	39
23	Fragmentation pathways of negative ions produced by electrospray ionization of acyclic dicarboxylic acids and derivatives. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1878-1890.	1.1	56
24	Biosynthesis of the dichloroacetyl component of chloramphenicol in <i>Streptomyces venezuelae</i> ISP5230: genes required for halogenation. <i>Microbiology (United Kingdom)</i> , 2004, 150, 85-94.	1.8	48
25	Metabolites of a Blocked Chloramphenicol Producer. <i>Journal of Natural Products</i> , 2003, 66, 62-66.	3.0	12
26	Glycoprotein Analysis by Capillary Zone Electrophoresis-Electrospray Mass Spectrometry. , 2003, 213, 219-239.		4
27	Isolation of 3-O-Acetylchloramphenicol: A possible intermediate in chloramphenicol biosynthesis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 283-286.	2.2	17
28	Biosynthesis of the dideoxysugar component of jadomycin B: genes in the jad cluster of <i>Streptomyces venezuelae</i> ISP5230 for l-digitoxose assembly and transfer to the angucycline aglycone The GenBank accession number for the sequence reported in this paper is AY026363.. <i>Microbiology (United Kingdom)</i> 147:181-187 (2003)	1.8	17
29	Purification and characterization of beta-methylaspartase from <i>Fusobacterium varium</i> . <i>Molecular and Cellular Biochemistry</i> , 2001, 221, 117-126.	3.1	5
30	An isotopic labeling method for determining production of volatile organohalogens by marine microalgae. <i>Limnology and Oceanography</i> , 2000, 45, 1868-1871.	3.1	15
31	Peroxidases from marine microalgae. <i>Journal of Applied Phycology</i> , 2000, 12, 507-513.	2.8	47
32	Isolation and characterization of an anti-HSV polysaccharide from <i>Prunella vulgaris</i> . <i>Antiviral Research</i> , 1999, 44, 43-54.	4.1	109
33	Characterization of protein glycoforms by capillary-zone electrophoresis-nanoelectrospray mass spectrometry. <i>Journal of Chromatography A</i> , 1998, 794, 327-344.	3.7	60
34	Evaluation of adsorption preconcentration/capillary zone electrophoresis/nanoelectrospray mass spectrometry for peptide and glycoprotein analyses. , 1998, 33, 1109-1123.		52
35	Biosynthesis of Vitamin B1 (Thiamin): An Instance of Biochemical Diversity. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1032-1046.	4.4	56
36	Die Biosynthese von Vitamin B <sub>1</sub> (Thiamin): ein Beispiel für biochemische Vielfalt. <i>Angewandte Chemie</i> , 1997, 109, 1096-1111.	2.0	12

#	ARTICLE	IF	CITATIONS
37	Probing the substrate specificity of an enzyme catalyzing inactivation of streptogramin B antibiotics using LC-MS and LC-MS/MS. , 1997, 32, 1057-1063.		4
38	Disposable Emitters for On-line Capillary Zone Electrophoresis/Nanoelectrospray Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1997, 11, 307-315.	1.5	114
39	Antibiotic Resistance in <i>Streptomyces lividans</i> : Fluorescence Assay for Streptogramin B Lyase. Analytical Biochemistry, 1997, 248, 297-299.	2.4	0
40	Inactivation of Etamycin by a Novel Elimination Mechanism in <i>Streptomyces lividans</i> . Journal of the American Chemical Society, 1996, 118, 5335-5338.	13.7	16
41	Mutants of <i>Streptomyces akiyoshiensis</i> Blocked in 5-Hydroxy-4-oxonorvaline Production.. Journal of Antibiotics, 1996, 49, 107-109.	2.0	1
42	Molecular Cloning and Characterization of a Novel Mouse Macrophage Gene That Encodes a Nuclear Protein Comprising Polyglutamine Repeats and Interspersing Histidines. Journal of Biological Chemistry, 1996, 271, 25515-25523.	3.4	10
43	Biosynthesis of Armentomycin: A Chlorinated Nonprotein Amino Acid. Journal of Antibiotics, 1995, 48, 347-348.	2.0	5
44	Nutrient effects on growth and armentomycin production in cultures of <i>Streptomyces atmentosus</i> . Canadian Journal of Microbiology, 1995, 41, 186-193.	1.7	12
45	Isolation of N-Acetyl-3,4-dihydroxy-L-phenylalanine from <i>Streptomyces akiyoshiensis</i> . Journal of Natural Products, 1995, 58, 1274-1277.	3.0	7
46	Biosynthesis of 5-hydroxy-4-oxo-L-norvaline in <i>Streptomyces akiyoshiensis</i> . Canadian Journal of Chemistry, 1994, 72, 1645-1655.	1.1	11
47	Taxonomy of <i>Amanita</i> mushrooms by pattern recognition of amino acid chromatographic data. Analytica Chimica Acta, 1993, 277, 333-346.	5.4	11
48	The Identification of 5-Hydroxyl-L-norvaline in Cultures of Pyridoxine Auxotrophs of <i>Escherichia coli</i> B. Journal of Natural Products, 1993, 56, 1246-1254.	3.0	6
49	Analysis of o-phthalaldehyde derivatives of acidic and polar amino acids in fermentation broths by high-performance liquid chromatography. Journal of Chromatography A, 1989, 483, 437-442.	3.7	10
50	Biosynthesis of the unusual amino acid, 5-hydroxy-4-oxonorvaline. Journal of the American Chemical Society, 1988, 110, 8228-8229.	13.7	16
51	Correction. Thiamin Biosynthesis in <i>Saccharomyces cerevisiae</i> : Origin of the Pyrimidine Unit. Journal of the American Chemical Society, 1986, 108, 3863-3863.	13.7	5
52	Thiamin biosynthesis in <i>Saccharomyces cerevisiae</i> : origin of the pyrimidine unit. Journal of the American Chemical Society, 1986, 108, 146-158.	13.7	23
53			

#	ARTICLE	IF	CITATIONS
55	Monocyclic $\beta$ -lactam tripeptide, 1-(D-carboxy-2-methylpropyl)-3-L-( $\beta$ -L-2-aminoadipamido)-4-L-mercaptoazetidin-2-one, a putative intermediate in penicillin biosynthesis. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 1130-1132.	2.0	6
56	Conversion of $^{17}O/^{18}O$ -labelled $\beta$ -(L- $\beta$ -aminoadipyl)- $\beta$ -L-cysteinyll- $\beta$ -D-valine into $^{17}O/^{18}O$ -labelled isopenicillin N in a cell-free extract of <i>C. acremonium</i> . <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 137-139.	2.0	8
57	Thiamin biosynthesis in yeast. Origin of the five-carbon unit of the thiazole moiety. <i>Journal of the American Chemical Society</i> , 1982, 104, 4934-4943.	13.7	50
58	Cell-free biosynthesis of penicillins. Conversion of peptides into new $\beta$ -lactam antibiotics. <i>Journal of the American Chemical Society</i> , 1981, 103, 7650-7651.	13.7	39
59	Direct $^1H$ n.m.r. observation of the cell-free conversion of $\beta$ -(L- $\beta$ -aminoadipyl)-L-cysteinyll-D-valine and $\beta$ -(L- $\beta$ -aminoadipyl)-L-cysteinyll-D-( $\beta$ -)-isoleucine into penicillins. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, , 917-919.	2.0	13
60	Direct n.m.r. observation of cell-free conversion of (L- $\beta$ -amino- $\beta$ -adipyl)-L-cysteinyll-D-valine into isopenicillin N. <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 1271-1273.	2.0	19
61	Biosynthesis of vitamin B1 in yeast. Origin of the thiazole unit. <i>Journal of the American Chemical Society</i> , 1979, 101, 5102-5104.	13.7	21