

# Wolfgang Eisenreich

## List of Publications by Year in descending order

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224  
papers

13,647  
citations

19657

61  
h-index

28297

105  
g-index

241  
all docs

241  
docs citations

241  
times ranked

10876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the effects of hydrogen on carbon assimilation in a seafloor microbial community associated with ultramafic rocks. ISME Journal, 2022, 16, 257-271.	9.8	12
2	In vitro interaction network of a synthetic gut bacterial community. ISME Journal, 2022, 16, 1095-1109.	9.8	66
3	Algae and Their Metabolites as Potential Bio-Pesticides. Microorganisms, 2022, 10, 307.	3.6	35
4	Probiotics, Prebiotics, and Phytogetic Substances for Optimizing Gut Health in Poultry. Microorganisms, 2022, 10, 395.	3.6	80
5	Tracking the Reversed Oxidative Tricarboxylic Acid Cycle in Bacteria. Bio-protocol, 2022, 12, e4364.	0.4	2
6	Metabolic plasticity of <i>Francisella tularensis</i> subsp. <i>holarctica</i> (wild type), <i>Francisella novicida</i> and <i>Francisella</i> sp. strain W12-1067. German Journal of Microbiology, 2022, 2, 19-29.	0.7	0
7	Status and Prospects of Botanical Biopesticides in Europe and Mediterranean Countries. Biomolecules, 2022, 12, 311.	4.0	40
8	Biotechnological potential and initial characterization of two novel sesquiterpene synthases from Basidiomycota <i>Coniophora puteana</i> for heterologous production of Î-cadinol. Microbial Cell Factories, 2022, 21, 64.	4.0	9
9	Efficient Green Light Acclimation of the Green Algae <i>Picochlorum</i> sp. Triggering Geranylgeranylated Chlorophylls. Frontiers in Bioengineering and Biotechnology, 2022, 10, 885977.	4.1	4
10	Isotopologue Profiling of Infectious Disease. , 2021, , .		0
11	Formation of Thiophene under Simulated Volcanic Hydrothermal Conditions on Earthâ€™ Implications for Early Life on Extraterrestrial Planets?. Life, 2021, 11, 149.	2.4	3
12	Fast Identification of Food Thickeners by Nontargeted NMR-Spectroscopy. Journal of Agricultural and Food Chemistry, 2021, 69, 3761-3775.	5.2	6
13	Diverse metabolic response of cancer cells treated with a <sup>213</sup> Bi-anti-EGFR-immunoconjugate. Scientific Reports, 2021, 11, 6227.	3.3	4
14	High CO2 levels drive the TCA cycle backwards towards autotrophy. Nature, 2021, 592, 784-788.	27.8	75
15	Metabolic adaption of <i>Legionella pneumophila</i> during intracellular growth in <i>Acanthamoeba castellanii</i> . International Journal of Medical Microbiology, 2021, 311, 151504.	3.6	3
16	Metabolic Response of Pancreatic Carcinoma Cells under Treatment with Dichloroacetate. Metabolites, 2021, 11, 350.	2.9	2
17	Substrate usage determines carbon flux <i>via</i> the citrate cycle in <i>Helicobacter pylori</i>. Molecular Microbiology, 2021, 116, 841-860.	2.5	8
18	The Abiotic Formation of Pyrrole under Volcanic, Hydrothermal Conditionsâ€™ An Initial Step towards Lifeâ€™s First Breath?. Life, 2021, 11, 980.	2.4	3

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19	Biosynthesis of $\alpha$ -solanine and $\alpha$ -chaconine in potato leaves ( <i>Solanum tuberosum</i> L.) – A $^{13}\text{C}$ study. <i>Food Chemistry</i> , 2021, 365, 130461.	8.2	9
20	Mitochondrial respiration restricts <i>Listeria monocytogenes</i> infection by slowing down host cell receptor recycling. <i>Cell Reports</i> , 2021, 37, 109989.	6.4	12
21	Towards a sustainable generation of pseudoopterosin-type bioactives. <i>Green Chemistry</i> , 2020, 22, 6033-6046.	9.0	9
22	Reprogramming of host glutamine metabolism during <i>Chlamydia trachomatis</i> infection and its key role in peptidoglycan synthesis. <i>Nature Microbiology</i> , 2020, 5, 1390-1402.	13.3	29
23	Characterization of Sunflower Oil Extracts from the Lichen <i>Usnea barbata</i> . <i>Metabolites</i> , 2020, 10, 353.	2.9	15
24	Substrate-dependent $\text{CO}_2$ fixation in heterotrophic bacteria revealed by stable isotope labelling. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	14
25	Where Is Bacosine in Commercially Available <i>Bacopa monnieri</i> ?. <i>Planta Medica</i> , 2020, 86, 565-570.	1.3	5
26	A Possible Primordial Acetyleno/Carboxydotrophic Core Metabolism. <i>Life</i> , 2020, 10, 35.	2.4	12
27	Persistence of Intracellular Bacterial Pathogens – With a Focus on the Metabolic Perspective. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 615450.	3.9	26
28	Myo-Inositol as a carbon substrate in <i>Francisella</i> and insights into the metabolism of <i>Francisella</i> sp. strain W12-1067. <i>International Journal of Medical Microbiology</i> , 2020, 310, 151426.	3.6	2
29	Evolutionary Steps in the Analytics of Primordial Metabolic Evolution. <i>Life</i> , 2019, 9, 50.	2.4	8
30	Isospecific Group-Transfer Polymerization of Diethyl Vinylphosphonate and Multidimensional NMR Analysis of the Polymer Microstructure. <i>Macromolecules</i> , 2019, 52, 7073-7080.	4.8	11
31	Screen for fitness and virulence factors of <i>Francisella</i> sp. strain W12-1067 using amoebae. <i>International Journal of Medical Microbiology</i> , 2019, 309, 151341.	3.6	7
32	Diverse Roads Taken by $^{13}\text{C}$ -Glucose-Derived Metabolites in Breast Cancer Cells Exposed to Limiting Glucose and Glutamine Conditions. <i>Cells</i> , 2019, 8, 1113.	4.1	16
33	A facile <i>in vivo</i> procedure to analyze metabolic pathways in intact lichens. <i>New Phytologist</i> , 2019, 224, 1657-1667.	7.3	8
34	How Viral and Intracellular Bacterial Pathogens Reprogram the Metabolism of Host Cells to Allow Their Intracellular Replication. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 42.	3.9	149
35	The enzymes OSC1 and CYP716A263 produce a high variety of triterpenoids in the latex of <i>Taraxacum koksaghyz</i> . <i>Scientific Reports</i> , 2019, 9, 5942.	3.3	24
36	The Pathometabolism of <i>Legionella</i> Studied by Isotopologue Profiling. <i>Methods in Molecular Biology</i> , 2019, 1921, 21-44.	0.9	3

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37	Reversibility of citrate synthase allows autotrophic growth of a thermophilic bacterium. <i>Science</i> , 2018, 359, 563-567.	12.6	136
38	From microbial upcycling to biology-oriented synthesis: combining whole-cell production and chemo-enzymatic functionalization for sustainable taxanoid delivery. <i>Green Chemistry</i> , 2018, 20, 5374-5384.	9.0	11
39	Tracking Lipid Transfer by Fatty Acid Isotopolog Profiling from Host Plants to Arbuscular Mycorrhiza Fungi. <i>Bio-protocol</i> , 2018, 8, e2786.	0.4	3
40	Overcoming the Rate-Limiting Reaction during Photoreforming of Sugar Aldoses for H <sub>2</sub> -Generation. <i>ACS Catalysis</i> , 2017, 7, 3236-3244.	11.2	34
41	Metabolic adaptation of <i>Chlamydia trachomatis</i> to mammalian host cells. <i>Molecular Microbiology</i> , 2017, 103, 1004-1019.	2.5	46
42	Lactate oxidation facilitates growth of <i>Mycobacterium tuberculosis</i> in human macrophages. <i>Scientific Reports</i> , 2017, 7, 6484.	3.3	83
43	<i>Legionella pneumophila</i> CsrA regulates a metabolic switch from amino acid to glycerolipid metabolism. <i>Open Biology</i> , 2017, 7, 170149.	3.6	46
44	Dynamics of Monoterpene Formation in Spike Lavender Plants. <i>Metabolites</i> , 2017, 7, 65.	2.9	13
45	Differential Substrate Usage and Metabolic Fluxes in <i>Francisella tularensis</i> Subspecies <i>holarctica</i> and <i>Francisella novicida</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 275.	3.9	27
46	Multiple Substrate Usage of <i>Coxiella burnetii</i> to Feed a Bipartite Metabolic Network. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 285.	3.9	21
47	To Eat and to Be Eaten: Mutual Metabolic Adaptations of Immune Cells and Intracellular Bacterial Pathogens upon Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 316.	3.9	45
48	Lipid transfer from plants to arbuscular mycorrhiza fungi. <i>ELife</i> , 2017, 6, .	6.0	329
49	Metabolic and fitness determinants for in vitro growth and intestinal colonization of the bacterial pathogen <i>Campylobacter jejuni</i> . <i>PLoS Biology</i> , 2017, 15, e2001390.	5.6	58
50	FfpS, the FNR-Like Protein of <i>Streptococcus suis</i> Is an Essential, Oxygen-Sensing Activator of the Arginine Deiminase System. <i>Pathogens</i> , 2016, 5, 51.	2.8	15
51	Sexual Dimorphism in the Response of <i>Mercurialis annua</i> to Stress. <i>Metabolites</i> , 2016, 6, 13.	2.9	8
52	Decoding Biosynthetic Pathways in Plants by Pulse-Chase Strategies Using <sup>13</sup> CO <sub>2</sub> as a Universal Tracer. <i>Metabolites</i> , 2016, 6, 21.	2.9	16
53	Isotopologue profiling of the listerial <sup>15</sup> N metabolism. <i>Molecular Microbiology</i> , 2016, 100, 315-327.	2.5	13
54	Pathway analysis using <sup>13</sup> C-glycerol and other carbon tracers reveals a bipartite metabolism of <i>Legionella pneumophila</i> . <i>Molecular Microbiology</i> , 2016, 100, 229-246.	2.5	51

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55	Unsaturated C3,5,7,9-Monocarboxylic Acids by Aqueous, One-Pot Carbon Fixation: Possible Relevance for the Origin of Life. <i>Scientific Reports</i> , 2016, 6, 27595.	3.3	23
56	Identification, characterization and molecular adaptation of class I redox systems for the production of hydroxylated diterpenoids. <i>Microbial Cell Factories</i> , 2016, 15, 86.	4.0	9
57	The life stage-specific pathometabolism of <i>Legionella pneumophila</i> . <i>FEBS Letters</i> , 2016, 590, 3868-3886.	2.8	56
58	Growth-related Metabolism of the Carbon Storage Poly-3-hydroxybutyrate in <i>Legionella pneumophila</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 6471-6482.	3.4	30
59	Pathogen-nematode interaction: Nitrogen supply of <i>Listeria monocytogenes</i> during growth in <i>Caenorhabditis elegans</i> . <i>Environmental Microbiology Reports</i> , 2016, 8, 20-29.	2.4	6
60	Identification of amino acid networks governing catalysis in the closed complex of class I terpene synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E958-67.	7.1	57
61	Metabolic Adaptations of Intracellular Bacterial Pathogens and their Mammalian Host Cells during Infection (Pathometabolism). <i>Microbiology Spectrum</i> , 2015, 3, .	3.0	52
62	A transferable plasticity region in <i>Campylobacter coli</i> allows isolates of an otherwise non-glycolytic foodborne pathogen to catabolize glucose. <i>Molecular Microbiology</i> , 2015, 98, 809-830.	2.5	26
63	Metabolic Profiling of Alpine and Ecuadorian Lichens. <i>Molecules</i> , 2015, 20, 18047-18065.	3.8	20
64	<i>Mycobacterium tuberculosis</i> Is a Natural Ornithine Aminotransferase (rocD) Mutant and Depends on Rv2323c for Growth on Arginine. <i>PLoS ONE</i> , 2015, 10, e0136914.	2.5	9
65	Characterization of the Pivotal Carbon Metabolism of <i>Streptococcus suis</i> Serotype 2 under ex Vivo and Chemically Defined in Vitro Conditions by Isotopologue Profiling. <i>Journal of Biological Chemistry</i> , 2015, 290, 5840-5854.	3.4	17
66	Strategy for Enhancement of <sup>13</sup> C-Photo-CIDNP NMR Spectra by Exploiting Fractional <sup>13</sup> C-Labeling of Tryptophan. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13934-13943.	2.6	8
67	Preparation of Flavocoenzyme Isotopologues by Biotransformation of Purines. <i>Journal of Organic Chemistry</i> , 2015, 80, 2539-2544.	3.2	4
68	Metabolic cross-talk between pathways of terpenoid backbone biosynthesis in spike lavender. <i>Plant Physiology and Biochemistry</i> , 2015, 95, 113-120.	5.8	63
69	The complex isotopologue space of glucose as a framework for the study of human intermediary metabolism. <i>Isotopes in Environmental and Health Studies</i> , 2015, 51, 11-23.	1.0	2
70	A rubber transferase activator is necessary for natural rubber biosynthesis in dandelion. <i>Nature Plants</i> , 2015, 1, .	9.3	81
71	The arginine-ornithine antiporter ArcD contributes to biological fitness of <i>Streptococcus suis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 107.	3.9	40
72	<i>Staphylococcus aureus</i> small colony variants show common metabolic features in central metabolism irrespective of the underlying auxotrophism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 141.	3.9	65

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73	Analysis of carbon substrates used by <i>Listeria monocytogenes</i> during growth in J774A.1 macrophages suggests a bipartite intracellular metabolism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 156.	3.9	65
74	Amino Acid Uptake and Metabolism of <i>Legionella pneumophila</i> Hosted by <i>Acanthamoeba castellanii</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 21040-21054.	3.4	49
75	'Isotopo' a database application for facile analysis and management of mass isotopomer data. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau077-bau077.	3.0	24
76	Biosynthesis of Nudicaulins: A <sup>13</sup> CO <sub>2</sub> Pulse/Chase Labeling Study with <i>Papaver nudicaule</i> . <i>ChemBioChem</i> , 2014, 15, 1645-1650.	2.6	10
77	Establishment of an ex vivo laticifer cell suspension culture from <i>Taraxacum brevicorniculatum</i> as a production system for cis-isoprene. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 103, 85-93.	1.8	8
78	Pseudilins: Halogenated, Allosteric Inhibitors of the Non-Mevalonate Pathway Enzyme IspD. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2235-2239.	13.8	53
79	Detecting a New Source for Photochemically Induced Dynamic Nuclear Polarization in the LOV2 Domain of Phototropin by Magnetic-Field Dependent <sup>13</sup> C NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11622-11632.	2.6	21
80	Metabolic flux pattern of glucose utilization by <i>Xanthomonas campestris</i> pv. <i>campestris</i> : prevalent role of the Entner-Doudoroff pathway and minor fluxes through the pentose phosphate pathway and glycolysis. <i>Molecular BioSystems</i> , 2014, 10, 2663-2676.	2.9	28
81	Isotopologue Profiling of Triterpene Formation under Physiological Conditions. Biosynthesis of Lupeol-3-(3-hydroxy)-stearate in <i>Pentalinon andrieuxii</i> . <i>Journal of Organic Chemistry</i> , 2014, 79, 2864-2873.	3.2	14
82	A Roadmap to the Isotopolog Space of Flavocoenzymes. <i>Methods in Molecular Biology</i> , 2014, 1146, 65-78.	0.9	3
83	<i>Legionella oakridgensis</i> ATCC 33761 genome sequence and phenotypic characterization reveals its replication capacity in amoebae. <i>International Journal of Medical Microbiology</i> , 2013, 303, 514-528.	3.6	19
84	Chloroplast-localized 6-phosphogluconate dehydrogenase is critical for maize endosperm starch accumulation. <i>Journal of Experimental Botany</i> , 2013, 64, 2231-2242.	4.8	38
85	Targeted Engineering of Cyclooctatetraene Synthase: A Stereospecific Access to Two New Non-natural Fusicoccane-type Diterpenes. <i>ChemCatChem</i> , 2013, 5, 3289-3298.	3.7	30
86	Growth Media Simulating Ileal and Colonic Environments Affect the Intracellular Proteome and Carbon Fluxes of Enterohemorrhagic <i>Escherichia coli</i> O157:H7 Strain EDL933. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3703-3715.	3.1	26
87	Biosynthesis of Panaxynol and Panaxydol in <i>Panax ginseng</i> . <i>Molecules</i> , 2013, 18, 7686-7698.	3.8	17
88	Metabolic host responses to infection by intracellular bacterial pathogens. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 24.	3.9	169
89	The Intracellular Metabolism of <i>Legionella</i> by Isotopologue Profiling. <i>Methods in Molecular Biology</i> , 2013, 954, 163-181.	0.9	13
90	Characterization of Central Carbon Metabolism of <i>Streptococcus pneumoniae</i> by Isotopologue Profiling. <i>Journal of Biological Chemistry</i> , 2012, 287, 4260-4274.	3.4	75

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91	Crystal Structures of Mutant IspH Proteins Reveal a Rotation of the Substrate's Hydroxymethyl Group during Catalysis. <i>Journal of Molecular Biology</i> , 2012, 416, 1-9.	4.2	40
92	Discovery of acetylene hydratase activity of the iron-sulphur protein IspH. <i>Nature Communications</i> , 2012, 3, 1042.	12.8	34
93	Metabolic Responses of Primary and Transformed Cells to Intracellular <i>Listeria monocytogenes</i> . <i>PLoS ONE</i> , 2012, 7, e52378.	2.5	43
94	Toward a Systemic Understanding of <i>Listeria monocytogenes</i> Metabolism during Infection. <i>Frontiers in Microbiology</i> , 2012, 3, 23.	3.5	45
95	Metabolic adaptation of human pathogenic and related nonpathogenic bacteria to extra- and intracellular habitats. <i>FEMS Microbiology Reviews</i> , 2012, 36, 435-462.	8.6	98
96	Elements of Metabolic Evolution. <i>Chemistry - A European Journal</i> , 2012, 18, 2063-2080.	3.3	43
97	NMR-Based Isotopologue Profiling of Microbial Carotenoids. <i>Methods in Molecular Biology</i> , 2012, 892, 315-333.	0.9	1
98	Assessment of Enzymatic Methods in the $\delta^{18}\text{O}$ Value Determination of the <i>l</i> -Tyrosine <i>p</i> -Hydroxy Group for Proof of Illegal Meat and Bone Meal Feeding to Cattle. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9475-9483.	5.2	5
99	Reverse Fosmidomycin Derivatives against the Antimalarial Drug Target IspC (Dxr). <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6796-6802.	6.4	55
100	GamA is a eukaryotic-like glucoamylase responsible for glycogen- and starch-degrading activity of <i>Legionella pneumophila</i> . <i>International Journal of Medical Microbiology</i> , 2011, 301, 133-139.	3.6	36
101	Advanced methods for the study of the chemistry and the metabolism of lichens. <i>Phytochemistry Reviews</i> , 2011, 10, 445-456.	6.5	40
102	Genome-enabled determination of amino acid biosynthesis in <i>Xanthomonas campestris</i> pv. <i>campestris</i> and identification of biosynthetic pathways for alanine, glycine, and isoleucine by $^{13}\text{C}$ -isotopologue profiling. <i>Molecular Genetics and Genomics</i> , 2011, 286, 247-59.	2.1	19
103	Biochemistry of the non-mevalonate isoprenoid pathway. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3797-3814.	5.4	77
104	Artemisinin biosynthesis in growing plants of <i>Artemisia annua</i> . A $^{13}\text{C}$ study. <i>Phytochemistry</i> , 2010, 71, 179-187.	2.9	137
105	Thiazolopyrimidine Inhibitors of 2-Methylerythritol 2,4-Cyclodiphosphate Synthase (IspF) from <i>Mycobacterium tuberculosis</i> and <i>Plasmodium falciparum</i> . <i>ChemMedChem</i> , 2010, 5, 1092-1101.	3.2	66
106	Synthesis and Antiplasmodial Activity of Highly Active Reverse Analogues of the Antimalarial Drug Candidate Fosmidomycin. <i>ChemMedChem</i> , 2010, 5, 1673-1676.	3.2	21
107	Biosynthesis of hermidin from <i>Mercurialis annua</i> : A retrobiosynthetic study. <i>Phytochemistry Letters</i> , 2010, 3, 33-37.	1.2	3
108	Carbon Metabolism of Enterobacterial Human Pathogens Growing in Epithelial Colorectal Adenocarcinoma (Caco-2) Cells. <i>PLoS ONE</i> , 2010, 5, e10586.	2.5	64

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109	Probing the reaction mechanism of IspH protein by x-ray structure analysis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1077-1081.	7.1	103
110	Isotopologue Profiling of Legionella pneumophila. Journal of Biological Chemistry, 2010, 285, 22232-22243.	3.4	95
111	Mechanistic Insights on Riboflavin Synthase Inspired by Selective Binding of the 6,7-Dimethyl-8-ribityllumazine Exomethylene Anion. Journal of the American Chemical Society, 2010, 132, 2983-2990.	13.7	55
112	Biosynthesis of Isoprenoids: Crystal Structure of the [4Fe-4S] Cluster Protein IspG. Journal of Molecular Biology, 2010, 404, 600-610.	4.2	65
113	Carbon metabolism of intracellular bacterial pathogens and possible links to virulence. Nature Reviews Microbiology, 2010, 8, 401-412.	28.6	338
114	Pyruvate Carboxylase Plays a Crucial Role in Carbon Metabolism of Extra- and Intracellularly Replicating <i>Listeria monocytogenes</i> . Journal of Bacteriology, 2010, 192, 1774-1784.	2.2	66
115	Metabolic Studies Using the Retrobiosynthesis Concept – Theory, Technology, and Examples. , 2010, , 675-694.		0
116	Cross-talk between Type Three Secretion System and Metabolism in Yersinia. Journal of Biological Chemistry, 2009, 284, 12165-12177.	3.4	17
117	Structure of Active IspH Enzyme from <i>Escherichia coli</i> Provides Mechanistic Insights into Substrate Reduction. Angewandte Chemie - International Edition, 2009, 48, 5756-5759.	13.8	74
118	Tryptophan <sup>13</sup> C nuclear-spin polarization generated by intraprotein electron transfer in a LOV2 domain of the blue-light receptor phototropin. Biochemical Society Transactions, 2009, 37, 382-386.	3.4	20
119	Synthesis and Characterization of Cytidine Derivatives that Inhibit the Kinase IspE of the Non-Mevalonate Pathway for Isoprenoid Biosynthesis. ChemMedChem, 2008, 3, 91-101.	3.2	27
120	Characterization of <i>Aquifex aeolicus</i> 4-diphosphocytidyl-2-C-methyl-erythritol kinase – ligand recognition in a template for antimicrobial drug discovery. FEBS Journal, 2008, 275, 2779-2794.	4.7	33
121	Biosynthesis of isoprenoids – studies on the mechanism of 2-C-methyl-erythritol-4-phosphate synthase. FEBS Journal, 2008, 275, 4060-4073.	4.7	18
122	Carbon metabolism of <i>Listeria monocytogenes</i> growing inside macrophages. Molecular Microbiology, 2008, 69, 1008-1017.	2.5	123
123	Inhibitors of the kinase IspE: structure-activity relationships and co-crystal structure analysis. Organic and Biomolecular Chemistry, 2008, 6, 2719.	2.8	39
124	<i>Nanoarchaeum equitans</i> and <i>Ignicoccus hospitalis</i> : New Insights into a Unique, Intimate Association of Two Archaea. Journal of Bacteriology, 2008, 190, 1743-1750.	2.2	111
125	Biosynthetic Origin of BE-10988 in <i>Streptomyces</i> sp. BA10988. Journal of Organic Chemistry, 2008, 73, 5279-5286.	3.2	8
126	Natural Abundance Solution <sup>13</sup> C NMR Studies of a Phototropin with Photoinduced Polarization. Journal of the American Chemical Society, 2008, 130, 13544-13545.	13.7	25



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127	A dicarboxylate/4-hydroxybutyrate autotrophic carbon assimilation cycle in the hyperthermophilic Archaeum <i>Ignicoccus hospitalis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7851-7856.	7.1	263
128	Pathogenomics of <i>Listeria</i> spp.. International Journal of Medical Microbiology, 2007, 297, 541-557.	3.6	84
129	Structure-Based Design and Synthesis of the First Weak Non-Phosphate Inhibitors for IspF, an Enzyme in the Non-Mevalonate Pathway of Isoprenoid Biosynthesis. Helvetica Chimica Acta, 2007, 90, 1043-1068.	1.6	24
130	Nonphosphate Inhibitors of IspE Protein, a Kinase in the Non-Mevalonate Pathway for Isoprenoid Biosynthesis and a Potential Target for Antimalarial Therapy. ChemMedChem, 2007, 2, 806-810.	3.2	43
131	<sup>13</sup> C <sub>2</sub> as a universal metabolic tracer in isotopologue perturbation experiments. Phytochemistry, 2007, 68, 2273-2289.	2.9	46
132	Advances of high-resolution NMR techniques in the structural and metabolic analysis of plant biochemistry. Phytochemistry, 2007, 68, 2799-2815.	2.9	103
133	<sup>13</sup> C Isotopologue editing of FMN bound to phototropin domains. FEBS Journal, 2007, 274, 5876-5890.	4.7	13
134	Anti-malarial drug targets: Screening for inhibitors of 2C-methyl-d-erythritol 4-phosphate synthase (IspC protein) in Mediterranean plants. Phytomedicine, 2007, 14, 242-249.	5.3	22
135	Biosynthesis of the chromogen hermidin from <i>Mercurialis annua</i> L.. Phytochemistry, 2007, 68, 2816-2824.	2.9	14
136	Metabolic flux analysis: Recent advances in carbon metabolism in plants. , 2007, 97, 213-243.		13
137	Nonmevalonate Terpene Biosynthesis Enzymes as Antiinfective Drug Targets: Substrate Synthesis and High-Throughput Screening Methods. Journal of Organic Chemistry, 2006, 71, 8824-8834.	3.2	54
138	The crystal structure of a plant 2C-methyl-D-erythritol 4-phosphate cytidyltransferase exhibits a distinct quaternary structure compared to bacterial homologues and a possible role in feedback regulation for cytidine monophosphate. FEBS Journal, 2006, 273, 1065-1073.	4.7	28
139	Isoprenoid biosynthesis in plants ? 2C-methyl-d-erythritol-4-phosphate synthase (IspC protein) of <i>Arabidopsis thaliana</i> . FEBS Journal, 2006, 273, 4446-4458.	4.7	42
140	Robustness of central carbohydrate metabolism in developing maize kernels. Phytochemistry, 2006, 67, 1460-1475.	2.9	60
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