

Christoph Mayer

List of Publications by Year in descending order

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125
papers

10,299
citations

53939

47
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94
g-index

134
all docs

134
docs citations

134
times ranked

13256
citing authors

#	ARTICLE	IF	CITATIONS
1	NamZ1 and NamZ2 from the Oral Pathogen <i>Tannerella forsythia</i> Are Peptidoglycan Processing Exo- β -N-Acetylmuramidases with Distinct Substrate Specificities. <i>Journal of Bacteriology</i> , 2022, 204, jb0059721.	1.0	1
2	The genetic basis of a novel reproductive strategy in Sulawesi ricefishes: How modularity and a low number of loci shape pelvic brooding. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 1033-1051.	1.1	1
3	Synergetic Antimicrobial Activity and Mechanism of Clotrimazole-Linked CO-Releasing Molecules. <i>ACS Bio & Med Chem Au</i> , 2022, 2, 419-436.	1.7	19
4	Fluorogenic RNA-Based Biosensor to Sense the Glycolytic Flux in Mammalian Cells. <i>ACS Chemical Biology</i> , 2022, 17, 1164-1173.	1.6	7
5	Delimiting continuity: Comparison of target enrichment and double digest restriction site associated DNA sequencing for delineating admixing parapatric <i>Melitaea</i> butterflies. <i>Systematic Entomology</i> , 2022, 47, 637-654.	1.7	2
6	Phylogeny, taxonomics, and ovipositor length variation of the <i>Pteromalus albipennis</i> species group (Hymenoptera: Chalcidoidea: Pteromalidae: Pteromalinae). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 349-358.	0.6	2
7	Chitin, Chitin Oligosaccharide, and Chitin Disaccharide Metabolism of <i>Escherichia coli</i> ; Revisited: Reassignment of the Roles of ChiA, ChbR, ChbF, and ChbG. <i>Microbial Physiology</i> , 2021, 31, 178-194.	1.1	8
8	Analysis of RNA-Seq, DNA Target Enrichment, and Sanger Nucleotide Sequence Data Resolves Deep Splits in the Phylogeny of Cuckoo Wasps (Hymenoptera: Chrysididae). <i>Insect Systematics and Diversity</i> , 2021, 5, .	0.7	8
9	Peptidoglycan Salvage Enables the Periodontal Pathogen <i>Tannerella forsythia</i> to Survive within the Oral Microbial Community. <i>Microbial Physiology</i> , 2021, 31, 123-134.	1.1	9
10	Beyond <i>Drosophila</i> : resolving the rapid radiation of schizophoran flies with phylotranscriptomics. <i>BMC Biology</i> , 2021, 19, 23.	1.7	22
11	Adding leaves to the Lepidoptera tree: capturing hundreds of nuclear genes from old museum specimens. <i>Systematic Entomology</i> , 2021, 46, 649-671.	1.7	40
12	Museomics: Phylogenomics of the Moth Family Epicopeiidae (Lepidoptera) Using Target Enrichment. <i>Insect Systematics and Diversity</i> , 2021, 5, .	0.7	14
13	Phylogenomic analyses clarify the pattern of evolution of Adephaga (Coleoptera) and highlight phylogenetic artefacts due to model misspecification and excessive data trimming. <i>Systematic Entomology</i> , 2021, 46, 991-1018.	1.7	12
14	Combining molecular datasets with strongly heterogeneous taxon coverage enlightens the peculiar biogeographic history of stoneflies (Insecta: Plecoptera). <i>Systematic Entomology</i> , 2021, 46, 952-967.	1.7	13
15	Development and evaluation of a custom bait design based on 469 single-copy protein-coding genes for exon capture of isopods (Philosciidae: Haloniscus). <i>PLoS ONE</i> , 2021, 16, e0256861.	1.1	2
16	Evolutionary history and divergence times of Odonata (dragonflies and damselflies) revealed through transcriptomics. <i>iScience</i> , 2021, 24, 103324.	1.9	25
17	Identification of Drug Resistance Determinants in a Clinical Isolate of <i>Pseudomonas aeruginosa</i> by High-Density Transposon Mutagenesis. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	18
18	Genome-Wide Novel Genic Microsatellite Marker Resource Development and Validation for Genetic Diversity and Population Structure Analysis of Banana. <i>Genes</i> , 2020, 11, 1479.	1.0	13

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19	Comparing diversity levels in environmental samples: DNA sequence capture and metabarcoding approaches using 18S and COI genes. <i>Molecular Ecology Resources</i> , 2020, 20, 1333-1345.	2.2	40
20	An integrative phylogenomic approach to elucidate the evolutionary history and divergence times of Neuropterida (Insecta: Holometabola). <i>BMC Evolutionary Biology</i> , 2020, 20, 64.	3.2	48
21	Phosphoglycerol-type wall and lipoteichoic acids are enantiomeric polymers differentiated by the stereospecific glycerophosphodiesterase GlpQ. <i>Journal of Biological Chemistry</i> , 2020, 295, 4024-4034.	1.6	16
22	Analyzing drivers of speciation in the Southern Ocean using the sea spider species complex <i>Colossendeis megalonyx</i> as a test case. <i>Polar Biology</i> , 2020, 43, 319-342.	0.5	5
23	A Plea for Standardized Nuclear Markers in Metazoan DNA Taxonomy. <i>Trends in Ecology and Evolution</i> , 2020, 35, 336-345.	4.2	53
24	Sawfly Genomes Reveal Evolutionary Acquisitions That Fostered the Mega-Radiation of Parasitoid and Eusocial Hymenoptera. <i>Genome Biology and Evolution</i> , 2020, 12, 1099-1188.	1.1	17
25	Inducible expression of (pp)pGpp synthetases in <i>Staphylococcus aureus</i> is associated with activation of stress response genes. <i>PLoS Genetics</i> , 2020, 16, e1009282.	1.5	23
26	Bacteria's different ways to recycle their own cell wall. <i>International Journal of Medical Microbiology</i> , 2019, 309, 151326.	1.5	44
27	Peptidoglycan Recycling, a Promising Target for Antibiotic Adjuvants in Antipseudomonal Therapy. <i>Journal of Infectious Diseases</i> , 2019, 220, 1713-1715.	1.9	13
28	Phylogenomics reveals the evolutionary timing and pattern of butterflies and moths. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22657-22663.	3.3	291
29	Patterns and Constraints in the Evolution of Sperm Individualization Genes in Insects, with an Emphasis on Beetles. <i>Genes</i> , 2019, 10, 776.	1.0	1
30	Combining morphological and genomic evidence to resolve species diversity and study speciation processes of the <i>Pallenopsis patagonica</i> (Pycnogonida) species complex. <i>Frontiers in Zoology</i> , 2019, 16, 36.	0.9	12
31	Peptidoglycan-type analysis of the N-acetylmuramic acid auxotrophic oral pathogen <i>Tannerella forsythia</i> and reclassification of the peptidoglycan-type of <i>Porphyromonas gingivalis</i> . <i>BMC Microbiology</i> , 2019, 19, 200.	1.3	8
32	Editorial: Bacterial Cell Wall Structure and Dynamics. <i>Frontiers in Microbiology</i> , 2019, 10, 2051.	1.5	68
33	Phylogenomics of the longitarsal Colossendeidae: The evolutionary history of an Antarctic sea spider radiation. <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 206-214.	1.2	23
34	Phylogenomics of the superfamily Dytiscoidea (Coleoptera: Adephaga) with an evaluation of phylogenetic conflict and systematic error. <i>Molecular Phylogenetics and Evolution</i> , 2019, 135, 270-285.	1.2	36
35	The evolution and genomic basis of beetle diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24729-24737.	3.3	372
36	Evolutionary history of Polyneoptera and its implications for our understanding of early winged insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3024-3029.	3.3	150

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37	Cost effective microsatellite isolation and genotyping by high throughput sequencing. <i>Journal of Arachnology</i> , 2019, 47, 190.	0.3	4
38	New data, same story: phylogenomics does not support Syrphoidea (Diptera: Syrphidae, Pipunculidae). <i>Systematic Entomology</i> , 2018, 43, 447-459.	1.7	53
39	Transcriptome sequence-based phylogeny of chalcidoid wasps (Hymenoptera: Chalcidoidea) reveals a history of rapid radiations, convergence, and evolutionary success. <i>Molecular Phylogenetics and Evolution</i> , 2018, 120, 286-296.	1.2	83
40	Recovery of the Peptidoglycan Turnover Product Released by the Autolysin Atl in <i>Staphylococcus aureus</i> Involves the Phosphotransferase System Transporter MurP and the Novel 6-phospho-N-acetylmuramidase MupG. <i>Frontiers in Microbiology</i> , 2018, 9, 2725.	1.5	22
41	Phylogenomics and the evolution of hemipteroid insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12775-12780.	3.3	275
42	N-Acetylmuramic Acid (MurNAc) Auxotrophy of the Oral Pathogen <i>Tannerella forsythia</i> : Characterization of a MurNAc Kinase and Analysis of Its Role in Cell Wall Metabolism. <i>Frontiers in Microbiology</i> , 2018, 9, 19.	1.5	11
43	Regulation of the opposing (p)ppGpp synthetase and hydrolase activities in a bifunctional RelA/SpoT homologue from <i>Staphylococcus aureus</i> . <i>PLoS Genetics</i> , 2018, 14, e1007514.	1.5	67
44	Anchored phylogenomics unravels the evolution of spider flies (Diptera, Acroceridae) and reveals discordance between nucleotides and amino acids. <i>Molecular Phylogenetics and Evolution</i> , 2018, 128, 233-245.	1.2	35
45	Phylogenomic analysis of Apoidea sheds new light on the sister group of bees. <i>BMC Evolutionary Biology</i> , 2018, 18, 71.	3.2	131
46	<i>Staphylococcus aureus</i> counters phosphate limitation by scavenging wall teichoic acids from other staphylococci via the teichoicase GlpQ. <i>Journal of Biological Chemistry</i> , 2018, 293, 14916-14924.	1.6	26
47	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . <i>Nature</i> , 2017, 541, 536-540.	13.7	332
48	Pentapeptide-rich peptidoglycan at the <i>Bacillus subtilis</i> cell division site. <i>Molecular Microbiology</i> , 2017, 104, 319-333.	1.2	25
49	Absence of ppGpp Leads to Increased Mobilization of Intermediately Accumulated Poly(3-Hydroxybutyrate) in <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	33
50	Evolutionary History of the Hymenoptera. <i>Current Biology</i> , 2017, 27, 1013-1018.	1.8	611
51	Enzymatic synthesis and semi-preparative isolation of N-acetylmuramic acid 6-phosphate. <i>Carbohydrate Research</i> , 2017, 445, 98-103.	1.1	7
52	The N-Acetylmuramic Acid 6-Phosphate Phosphatase MupP Completes the <i>Pseudomonas</i> Peptidoglycan Recycling Pathway Leading to Intrinsic Fosfomycin Resistance. <i>MBio</i> , 2017, 8, .	1.8	27
53	Activation of the glmS Ribozyme Confers Bacterial Growth Inhibition. <i>ChemBioChem</i> , 2017, 18, 435-440.	1.3	24
54	Transcriptome and target DNA enrichment sequence data provide new insights into the phylogeny of vespid wasps (Hymenoptera: Aculeata: Vespidae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 116, 213-226.	1.2	87

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55	Utilization of glycerophosphodiesterases by <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2017, 103, 229-241.	1.2	21
56	An efficient synthesis of 1,6-anhydro-N-acetylmuramic acid from N-acetylglucosamine. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2631-2636.	1.3	8
57	Repeats in the transcribed regions: comprehensive characterization and comparison of <i>Citrus</i> spp.. <i>Frontiers of Agricultural Science and Engineering</i> , 2017, 4, 421.	0.9	0
58	Identification of a Novel N-Acetylmuramic Acid Transporter in <i>Tannerella forsythia</i> . <i>Journal of Bacteriology</i> , 2016, 198, 3119-3125.	1.0	24
59	Peptidoglycan Recycling in Gram-Positive Bacteria Is Crucial for Survival in Stationary Phase. <i>MBio</i> , 2016, 7, .	1.8	89
60	Differentiation of <i>Trypanosoma cruzi</i> I (TcI) and T. cruzi II (TcII) genotypes using genes encoding serine carboxypeptidases. <i>Parasitology Research</i> , 2016, 115, 4211-4219.	0.6	2
61	Transcriptomic data from panarthropods shed new light on the evolution of insulator binding proteins in insects. <i>BMC Genomics</i> , 2016, 17, 861.	1.2	23
62	BaitFisher: A Software Package for Multispecies Target DNA Enrichment Probe Design. <i>Molecular Biology and Evolution</i> , 2016, 33, 1875-1886.	3.5	71
63	Phylogenetic Origin and Diversification of RNAi Pathway Genes in Insects. <i>Genome Biology and Evolution</i> , 2016, 8, evw281.	1.1	92
64	The Absence of a Mature Cell Wall Sacculus in Stable <i>Listeria monocytogenes</i> L-Form Cells Is Independent of Peptidoglycan Synthesis. <i>PLoS ONE</i> , 2016, 11, e0154925.	1.1	12
65	rRNA regulation during growth and under stringent conditions in <i>Staphylococcus aureus</i> . <i>Environmental Microbiology</i> , 2015, 17, 4394-4405.	1.8	30
66	Regional differentiation and extensive hybridization between mitochondrial clades of the Southern Ocean giant sea spider <i>Colossendeis megalonyx</i> . <i>Royal Society Open Science</i> , 2015, 2, 140424.	1.1	30
67	Peptidoglycan perception – Sensing bacteria by their common envelope structure. <i>International Journal of Medical Microbiology</i> , 2015, 305, 217-223.	1.5	33
68	Planctomycetes do possess a peptidoglycan cell wall. <i>Nature Communications</i> , 2015, 6, 7116.	5.8	149
69	Automatic selection of partitioning schemes for phylogenetic analyses using iterative k-means clustering of site rates. <i>BMC Evolutionary Biology</i> , 2015, 15, 13.	3.2	95
70	Crystal Structure of the N-Acetylmuramic Acid \pm -1-Phosphate (MurNAc- \pm -1-P) Uridyltransferase MurU, a Minimal Sugar Nucleotidyltransferase and Potential Drug Target Enzyme in Gram-negative Pathogens. <i>Journal of Biological Chemistry</i> , 2015, 290, 10804-10813.	1.6	14
71	Response to Comment on “Phylogenomics resolves the timing and pattern of insect evolution”. <i>Science</i> , 2015, 349, 487-487.	6.0	17
72	Genome-Wide Computational Analysis of <i>Musa</i> Microsatellites: Classification, Cross-Taxon Transferability, Functional Annotation, Association with Transposons & miRNAs, and Genetic Marker Potential. <i>PLoS ONE</i> , 2015, 10, e0131312.	1.1	15

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73	Phylogenomics resolves the timing and pattern of insect evolution. <i>Science</i> , 2014, 346, 763-767.	6.0	2,096
74	Blocking Peptidoglycan Recycling in <i>Pseudomonas aeruginosa</i> Attenuates Intrinsic Resistance to Fosfomycin. <i>Microbial Drug Resistance</i> , 2014, 20, 231-237.	0.9	68
75	The evolutionary history of holometabolous insects inferred from transcriptome-based phylogeny and comprehensive morphological data. <i>BMC Evolutionary Biology</i> , 2014, 14, 52.	3.2	147
76	Selecting optimal partitioning schemes for phylogenomic datasets. <i>BMC Evolutionary Biology</i> , 2014, 14, 82.	3.2	575
77	Sulphoglycolysis in <i>Escherichia coli</i> K-12 closes a gap in the biogeochemical sulphur cycle. <i>Nature</i> , 2014, 507, 114-117.	13.7	105
78	Genome Wide Characterization of Short Tandem Repeat Markers in Sweet Orange (<i>Citrus sinensis</i>). <i>PLoS ONE</i> , 2014, 9, e104182.	1.1	50
79	Isolation and characterization of nine polymorphic microsatellite markers for the deep-sea shrimp <i>Nematocarcinus lanceopes</i> (Crustacea: Decapoda: Caridea). <i>BMC Research Notes</i> , 2013, 6, 75.	0.6	7
80	Morphological and genetic analyses of xeniid soft coral diversity (Octocorallia; Alcyonacea). <i>Organisms Diversity and Evolution</i> , 2013, 13, 135-150.	0.7	16
81	A cell wall recycling shortcut that bypasses peptidoglycan de novo biosynthesis. <i>Nature Chemical Biology</i> , 2013, 9, 491-493.	3.9	104
82	Pan genome of the phytoplankton <i>Emiliania</i> underpins its global distribution. <i>Nature</i> , 2013, 499, 209-213.	13.7	448
83	Genomic and Morphological Evidence Converge to Resolve the Enigma of Strepsiptera. <i>Current Biology</i> , 2013, 23, 1388.	1.8	1
84	Increased Cell Wall Teichoic Acid Production and D-alanylation Are Common Phenotypes among Daptomycin-Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Clinical Isolates. <i>PLoS ONE</i> , 2013, 8, e67398.	1.1	86
85	Genomic and Morphological Evidence Converge to Resolve the Enigma of Strepsiptera. <i>Current Biology</i> , 2012, 22, 1309-1313.	1.8	140
86	Exploring Pandora's Box: Potential and Pitfalls of Low Coverage Genome Surveys for Evolutionary Biology. <i>PLoS ONE</i> , 2012, 7, e49202.	1.1	31
87	Exploiting BAC-end sequences for the mining, characterization and utility of new short sequences repeat (SSR) markers in Citrus. <i>Molecular Biology Reports</i> , 2012, 39, 5373-5386.	1.0	41
88	Are shoals of minnow <i>Phoxinus phoxinus</i> formed by close kin?. <i>Journal of Fish Biology</i> , 2012, 80, 713-721.	0.7	6
89	Long Branch Effects Distort Maximum Likelihood Phylogenies in Simulations Despite Selection of the Correct Model. <i>PLoS ONE</i> , 2012, 7, e36593.	1.1	70
90	Characterization of a Glucosamine/Glucosaminide N-Acetyltransferase of <i>Clostridium acetobutylicum</i> . <i>Journal of Bacteriology</i> , 2011, 193, 5393-5399.	1.0	26

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91	Peptidoglycan turnover and recycling in Gram-positive bacteria. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 1-11.	1.7	168
92	Molecular evolution of a chordate specific family of G protein-coupled receptors. <i>BMC Evolutionary Biology</i> , 2011, 11, 234.	3.2	16
93	The mitochondrial genome of <i>Colossendeis megalonyx</i> supports a basal position of Colossendeidae within the Pycnogonida. <i>Molecular Phylogenetics and Evolution</i> , 2011, 58, 553-558.	1.2	20
94	Characterization of an <i>N</i> -Acetylmuramic Acid/ <i>N</i> -Acetylglucosamine Kinase of <i>Clostridium acetobutylicum</i> . <i>Journal of Bacteriology</i> , 2011, 193, 5386-5392.	1.0	33
95	Cryptic mitochondrial lineages in the widespread pycnogonid <i>Colossendeis megalonyx</i> Hoek, 1881 from Antarctic and Subantarctic waters. <i>Polar Biology</i> , 2010, 33, 281-292.	0.5	95
96	Genome-wide analysis of tandem repeats in <i>Daphnia pulex</i> - a comparative approach. <i>BMC Genomics</i> , 2010, 11, 277.	1.2	87
97	Predator-induced defences in <i>Daphnia pulex</i> : Selection and evaluation of internal reference genes for gene expression studies with real-time PCR. <i>BMC Molecular Biology</i> , 2010, 11, 50.	3.0	52
98	Muropeptide Rescue in <i>Bacillus subtilis</i> Involves Sequential Hydrolysis by \hat{I}^2 - <i>N</i> -Acetylglucosaminidase and <i>N</i> -Acetylmuramyl- <i>l</i> -Alanine Amidase. <i>Journal of Bacteriology</i> , 2010, 192, 3132-3143.	1.0	68
99	Structural and Kinetic Analysis of <i>Bacillus subtilis</i> N-Acetylglucosaminidase Reveals a Unique Asp-His Dyad Mechanism. <i>Journal of Biological Chemistry</i> , 2010, 285, 35675-35684.	1.6	117
100	The Murein Sacculus. , 2010, , 3-52.		16
101	Multiple origins of deep-sea Asellota (Crustacea: Isopoda) from shallow waters revealed by molecular data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 799-808.	1.2	104
102	STAMP: Extensions to the STADEN sequence analysis package for high throughput interactive microsatellite marker design. <i>BMC Bioinformatics</i> , 2009, 10, 41.	1.2	40
103	Phylogenetic support values are not necessarily informative: the case of the Serialia hypothesis (a) Tj ETQq1 1 0.784314 rgBT /Overlo 0,9 49		
104	Cytokine induction by Gram-positive bacteria. <i>Immunobiology</i> , 2008, 213, 285-296.	0.8	68
105	Mechanistic Studies on N-Acetylmuramic Acid 6-Phosphate Hydrolase (MurQ): An Etherase Involved in Peptidoglycan Recycling. <i>Biochemistry</i> , 2008, 47, 11547-11558.	1.2	22
106	The Transcriptional Factors MurR and Catabolite Activator Protein Regulate <i>N</i> -Acetylmuramic Acid Catabolism in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008, 190, 6598-6608.	1.0	40
107	Isolation of microsatellites from unknown genomes using known genomes as enrichment templates. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 412-426.	1.0	31
108	The Trimeric Periplasmic Chaperone Skp of <i>Escherichia coli</i> Forms 1:1 Complexes with Outer Membrane Proteins via Hydrophobic and Electrostatic Interactions. <i>Journal of Molecular Biology</i> , 2007, 374, 91-105.	2.0	101

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109	Visualizing differences in phylogenetic information content of alignments and distinction of three classes of long-branch effects. <i>BMC Evolutionary Biology</i> , 2007, 7, 147.	3.2	104
110	Sequence characterization and expression patterns of defensin and lysozyme encoding genes from the gut of the reduviid bug <i>Triatoma brasiliensis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 547-560.	1.2	92
111	Characterization of a beta-N-acetylhexosaminidase and a beta-N-acetylglucosaminidase/beta-glucosidase from <i>Cellulomonas fimi</i> . <i>FEBS Journal</i> , 2006, 273, 2929-2941.	2.2	60
112	MurQ Etherase Is Required by <i>Escherichia coli</i> in Order To Metabolize Anhydro- N -Acetylmuramic Acid Obtained either from the Environment or from Its Own Cell Wall. <i>Journal of Bacteriology</i> , 2006, 188, 1660-1662.	1.0	60
113	Hexose/Pentose and Hexitol/Pentitol Metabolism. <i>EcoSal Plus</i> , 2005, 1, .	2.1	22
114	Serine proteinases of the human body louse (<i>Pediculus humanus</i>): sequence characterization and expression patterns. <i>Parasitology Research</i> , 2005, 97, 486-500.	0.6	14
115	Scission of the Lactyl Ether Bond of N-Acetylmuramic Acid by <i>Escherichia coli</i> "Etherase". <i>Journal of Biological Chemistry</i> , 2005, 280, 30100-30106.	1.6	48
116	Identification of a Phosphotransferase System of <i>Escherichia coli</i> Required for Growth on N -Acetylmuramic Acid. <i>Journal of Bacteriology</i> , 2004, 186, 2385-2392.	1.0	55
117	Cell wall-associated enzymes in fungi. <i>Phytochemistry</i> , 2003, 64, 339-366.	1.4	94
118	Towards a third-order topological invariant for magnetic fields. <i>Journal of Physics A</i> , 2002, 35, 3945-3959.	1.6	21
119	Solid-Phase Oligosaccharide and Glycopeptide Synthesis Using Glycosynthases. <i>Journal of Organic Chemistry</i> , 2002, 67, 4143-4149.	1.7	79
120	Enzymatic Synthesis of Carbon-18Fluorine Bonds. <i>Journal of the American Chemical Society</i> , 2001, 123, 4350-4351.	6.6	64
121	Directed evolution of new glycosynthases from <i>Agrobacterium</i> Î²-glucosidase: a general screen to detect enzymes for oligosaccharide synthesis. <i>Chemistry and Biology</i> , 2001, 8, 437-443.	6.2	87
122	The E358S mutant of <i>Agrobacterium</i> sp. Î²-glucosidase is a greatly improved glycosynthase. <i>FEBS Letters</i> , 2000, 466, 40-44.	1.3	113
123	Mechanism of Action and Identification of Asp242 as the Catalytic Nucleophile of <i>Vibrio furnisii</i> N-Acetyl-Î²-d-glucosaminidase Using 2-Acetamido-2-deoxy-5-fluoro-Î±-l-idopyranosyl Fluoride. <i>Biochemistry</i> , 2000, 39, 117-126.	1.2	106
124	Î²-N-Acetylhexosaminidase: A target for the design of antifungal agents. , 1997, 76, 187-218.		86
125	Stereochemical Requirements of Chitin Synthase for Ligand Binding at the Allosteric Site for N-Acetylglucosamine. <i>FEBS Journal</i> , 1996, 237, 476-482.	0.2	18