

David Robert Nelson

List of Publications by Year in descending order

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141
papers

31,887
citations

22153

59
h-index

9589

142
g-index

150
all docs

150
docs citations

150
times ranked

31348
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome Sequence of <i>Drosophila melanogaster</i> . <i>Science</i> , 2000, 287, 2185-2195.	12.6	5,566
2	P450 superfamily: update on new sequences, gene mapping, accession numbers and nomenclature. <i>Pharmacogenetics and Genomics</i> , 1996, 6, 1-42.	5.7	2,629
3	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
4	The <i>Physcomitrella</i> Genome Reveals Evolutionary Insights into the Conquest of Land by Plants. <i>Science</i> , 2008, 319, 64-69.	12.6	1,712
5	The P450 Superfamily: Update on New Sequences, Gene Mapping, Accession Numbers, Early Trivial Names of Enzymes, and Nomenclature. <i>DNA and Cell Biology</i> , 1993, 12, 1-51.	1.9	1,596
6	The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008, 452, 949-955.	27.8	1,255
7	The draft genome of the transgenic tropical fruit tree papaya (<i>Carica papaya</i> Linnaeus). <i>Nature</i> , 2008, 452, 991-996.	27.8	964
8	Comparison of cytochrome P450 (CYP) genes from the mouse and human genomes, including nomenclature recommendations for genes, pseudogenes and alternative-splice variants. <i>Pharmacogenetics and Genomics</i> , 2004, 14, 1-18.	5.7	850
9	The <i>Fusarium graminearum</i> Genome Reveals a Link Between Localized Polymorphism and Pathogen Specialization. <i>Science</i> , 2007, 317, 1400-1402.	12.6	837
10	The Cytochrome P450 Homepage. <i>Human Genomics</i> , 2009, 4, 59-65.	2.9	821
11	The <i>Selaginella</i> Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	12.6	794
12	The <i>Ectocarpus</i> genome and the independent evolution of multicellularity in brown algae. <i>Nature</i> , 2010, 465, 617-621.	27.8	774
13	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , 2013, 496, 311-316.	27.8	612
14	A P450-centric view of plant evolution. <i>Plant Journal</i> , 2011, 66, 194-211.	5.7	528
15	Cytochrome P450 and the Individuality of Species. <i>Archives of Biochemistry and Biophysics</i> , 1999, 369, 1-10.	3.0	504
16	Allele-defined genome of the autopolyploid sugarcane <i>Saccharum spontaneum</i> L.. <i>Nature Genetics</i> , 2018, 50, 1565-1573.	21.4	463
17	Genome sequence of the model medicinal mushroom <i>Ganoderma lucidum</i> . <i>Nature Communications</i> , 2012, 3, 913.	12.8	458
18	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , 2016, 7, 10507.	12.8	450

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19	Comparative Genomics of Rice and Arabidopsis. Analysis of 727 Cytochrome P450 Genes and Pseudogenes from a Monocot and a Dicot. <i>Plant Physiology</i> , 2004, 135, 756-772.	4.8	414
20	The Genome of <i>Nectria haematococca</i> : Contribution of Supernumerary Chromosomes to Gene Expansion. <i>PLoS Genetics</i> , 2009, 5, e1000618.	3.5	402
21	Identification and developmental expression of the full complement of Cytochrome P450 genes in Zebrafish. <i>BMC Genomics</i> , 2010, 11, 643.	2.8	339
22	Genome of the long-living sacred lotus (<i>Nelumbo nucifera</i> Gaertn.). <i>Genome Biology</i> , 2013, 14, R41.	9.6	329
23	Genomic analysis of detoxification genes in the mosquito <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 113-123.	2.7	289
24	The draft genome of whitefly <i>Bemisia tabaci</i> MEAM1, a global crop pest, provides novel insights into virus transmission, host adaptation, and insecticide resistance. <i>BMC Biology</i> , 2016, 14, 110.	3.8	265
25	Analysis of the Genome Sequence of the Medicinal Plant <i>Salvia miltiorrhiza</i> . <i>Molecular Plant</i> , 2016, 9, 949-952.	8.3	255
26	Genome of the Asian longhorned beetle (<i>Anoplophora glabripennis</i>), a globally significant invasive species, reveals key functional and evolutionary innovations at the beetle-plant interface. <i>Genome Biology</i> , 2016, 17, 227.	8.8	244
27	Cytochrome P450 diversity in the tree of life. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 141-154.	2.3	229
28	Investigation of terpene diversification across multiple sequenced plant genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E81-8.	7.1	226
29	Improved white spruce (<i>Picea glauca</i>) genome assemblies and annotation of large gene families of conifer terpenoid and phenolic defense metabolism. <i>Plant Journal</i> , 2015, 83, 189-212.	5.7	200
30	Progress in tracing the evolutionary paths of cytochrome P450. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 14-18.	2.3	198
31	Highly conserved charge-pair networks in the mitochondrial carrier family. <i>Journal of Molecular Biology</i> , 1998, 277, 285-308.	4.2	189
32	Cytochrome P450 Nomenclature, 2004. , 2006, 320, 1-10.		189
33	Comparison of P450s from human and fugu: 420 million years of vertebrate P450 evolution. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 18-24.	3.0	171
34	Structure and Biochemical Properties of the Alkene Producing Cytochrome P450 OleTJE (CYP152L1) from the <i>Jeotgalicoccus</i> sp. 8456 Bacterium. <i>Journal of Biological Chemistry</i> , 2014, 289, 6535-6550.	3.4	153
35	The cytochrome P450 (CYP) gene superfamily in <i>Daphnia pulex</i> . <i>BMC Genomics</i> , 2009, 10, 169.	2.8	151
36	The cytochrome P450 genesis locus: the origin and evolution of animal cytochrome P450s. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120474.	4.0	147

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37	Comparison of Cytochrome P450 Genes from Six Plant Genomes. <i>Tropical Plant Biology</i> , 2008, 1, 216-235.	1.9	138
38	Metazoan cytochrome P450 evolution. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1998, 121, 15-22.	0.5	134
39	The biosynthetic pathway of the nonsugar, high-intensity sweetener mogroside V from <i>Siraitia grosvenorii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7619-E7628.	7.1	134
40	The ancient CYP716 family is a major contributor to the diversification of eudicot triterpenoid biosynthesis. <i>Nature Communications</i> , 2017, 8, 14153.	12.8	128
41	Site-directed Mutagenesis of the Yeast Mitochondrial ADP/ATP Translocator. <i>Journal of Molecular Biology</i> , 1993, 230, 1159-1170.	4.2	125
42	Plant cytochrome P450 plasticity and evolution. <i>Molecular Plant</i> , 2021, 14, 1244-1265.	8.3	124
43	Organization, structure and evolution of the CYP2 gene cluster on human chromosome 19. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 687-698.	5.7	118
44	Plant cytochrome P450s from moss to poplar. <i>Phytochemistry Reviews</i> , 2006, 5, 193-204.	6.5	113
45	Firefly genomes illuminate parallel origins of bioluminescence in beetles. <i>ELife</i> , 2018, 7, .	6.0	108
46	Macaque cytochromes P450: nomenclature, transcript, gene, genomic structure, and function. <i>Drug Metabolism Reviews</i> , 2011, 43, 346-361.	3.6	101
47	The 2008 update of the <i>Aspergillus nidulans</i> genome annotation: A community effort. <i>Fungal Genetics and Biology</i> , 2009, 46, S2-S13.	2.1	99
48	Pyrosequencing the transcriptome of the greenhouse whitefly, <i>Trialeurodes vaporariorum</i> reveals multiple transcripts encoding insecticide targets and detoxifying enzymes. <i>BMC Genomics</i> , 2011, 12, 56.	2.8	97
49	A specialist herbivore pest adaptation to xenobiotics through up-regulation of multiple Cytochrome P450s. <i>Scientific Reports</i> , 2016, 6, 20421.	3.3	90
50	Origin of the response to adrenal and sex steroids: Roles of promiscuity and co-evolution of enzymes and steroid receptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 151, 12-24.	2.5	87
51	Cytochrome P450 complement (CYPome) of the avermectin-producer <i>Streptomyces avermitilis</i> and comparison to that of <i>Streptomyces coelicolor</i> A3(2). <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 610-619.	2.1	86
52	The CYPome (Cytochrome P450 complement) of <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, S53-S61.	2.1	78
53	Chromosome-level genome map provides insights into diverse defense mechanisms in the medicinal fungus <i>Ganoderma sinense</i> . <i>Scientific Reports</i> , 2015, 5, 11087.	3.3	76
54	A world of cytochrome P450s. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120430.	4.0	73

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55	Expression Pattern of Entire Cytochrome P450 Genes and Response of Defensomes in the Benzo[<i>a</i>]pyrene-Exposed Monogonont Rotifer <i>Brachionus koreanus</i> . <i>Environmental Science & Technology</i> , 2013, 47, 13804-13812.	10.0	69
56	Rhodnius prolixus supergene families of enzymes potentially associated with insecticide resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 69, 91-104.	2.7	68
57	Genomic insights into neonicotinoid sensitivity in the solitary bee <i>Osmia bicornis</i> . <i>PLoS Genetics</i> , 2019, 15, e1007903.	3.5	68
58	Probing the Role of Positive Residues in the ADP/ATP Carrier from Yeast. The Effect of Six Arginine Mutations on Transport and the Four ATP versus ADP Exchange Modes. <i>Biochemistry</i> , 1996, 35, 16144-16152.	2.5	67
59	Probing the Role of Positive Residues in the ADP/ATP Carrier from Yeast. The Effect of Six Arginine Mutations on Oxidative Phosphorylation and AAC Expression. <i>Biochemistry</i> , 1996, 35, 16132-16143.	2.5	65
60	Cytochrome P450 Nomenclature. , 1998, 107, 15-24.		62
61	Improved annotation of the insect vector of citrus greening disease: biocuration by a diverse genomics community. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	3.0	62
62	Molecular evolutionary dynamics of cytochrome P450 monooxygenases across kingdoms: Special focus on mycobacterial P450s. <i>Scientific Reports</i> , 2016, 6, 33099.	3.3	61
63	Brown marmorated stink bug, <i>Halyomorpha halys</i> (Stål), genome: putative underpinnings of polyphagy, insecticide resistance potential and biology of a top worldwide pest. <i>BMC Genomics</i> , 2020, 21, 227.	2.8	60
64	A Novel Human Cytochrome P450 4F Isoform (CYP4F11): cDNA Cloning, Expression, and Genomic Structural Characterization. <i>Genomics</i> , 2000, 68, 161-166.	2.9	57
65	A Second CYP26 P450 in Humans and Zebrafish: CYP26B1. <i>Archives of Biochemistry and Biophysics</i> , 1999, 371, 345-347.	3.0	54
66	Genetic elucidation of interconnected antibiotic pathways mediating maize innate immunity. <i>Nature Plants</i> , 2020, 6, 1375-1388.	9.3	52
67	Identification of the Full 46 Cytochrome P450 (<i>CYP</i>) Complement and Modulation of <i>CYP</i> Expression in Response to Water-Accommodated Fractions of Crude Oil in the Cyclopoid Copepod <i>Paracyclops nana</i> . <i>Environmental Science & Technology</i> , 2015, 49, 6982-6992.	10.0	51
68	Whole Spectrum of Cytochrome P450 Genes and Molecular Responses to Water-Accommodated Fractions Exposure in the Marine Medaka. <i>Environmental Science & Technology</i> , 2013, 47, 4804-4812.	10.0	50
69	Genome analysis of medicinal <i>Ganoderma</i> spp. with plant-pathogenic and saprotrophic life-styles. <i>Phytochemistry</i> , 2015, 114, 18-37.	2.9	49
70	Drivers of metabolic diversification: how dynamic genomic neighbourhoods generate new biosynthetic pathways in the Brassicaceae. <i>New Phytologist</i> , 2020, 227, 1109-1123.	7.3	49
71	Genomic Cloning and Protein Expression of a Novel Rat Brain Cytochrome P-450 CYP2D18* Catalyzing Imipramine N-Demethylation. <i>Journal of Biological Chemistry</i> , 1996, 271, 28176-28180.	3.4	46
72	Computational Identification and Systematic Classification of Novel Cytochrome P450 Genes in <i>Salvia miltiorrhiza</i> . <i>PLoS ONE</i> , 2014, 9, e115149.	2.5	45

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73	On the occurrence of cytochrome P450 in viruses. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12343-12352.	7.1	45
74	Mutagenesis of Some Positive and Negative Residues Occurring in Repeat Triad Residues in the ADP/ATP Carrier from Yeast. Biochemistry, 1997, 36, 16008-16018.	2.5	44
75	Function-based Mapping of the Yeast Mitochondrial ADP/ATP Translocator by Selection for Second Site Revertants. Journal of Molecular Biology, 1993, 230, 1171-1182.	4.2	43
76	Structure-function relationships of the ADP/ATP carrier. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 241-244.	1.0	42
77	Characterization of the cytochrome P450 monooxygenase genes (P450 _{ome}) from the carotenogenic yeast <i>Xanthophyllomyces dendrorhous</i> . BMC Genomics, 2017, 18, 540.	2.8	42
78	Investigating conservation of the albaflavenone biosynthetic pathway and CYP170 bifunctionality in streptomycetes. FEBS Journal, 2012, 279, 1640-1649.	4.7	41
79	Genomewide annotation and comparative genomics of cytochrome P450 monooxygenases (P450s) in the polypore species <i>Bjerkandera adusta</i> , <i>Ganoderma</i> sp. and <i>Phlebia brevispora</i> . Mycologia, 2013, 105, 1445-1455.	1.9	40
80	Assessment and refinement of eukaryotic gene structure prediction with gene-structure-aware multiple protein sequence alignment. BMC Bioinformatics, 2014, 15, 189.	2.6	38
81	Cytochrome P-450: Cytochrome P-450 Reductase Interactions. Drug Metabolism Reviews, 1989, 20, 519-533.	3.6	37
82	Introductory remarks on human CYPs. Drug Metabolism Reviews, 2002, 34, 1-5.	3.6	36
83	Insights into Adaptations to a Near-Obligate Nematode Endoparasitic Lifestyle from the Finished Genome of <i>Drechmeria coniospora</i> . Scientific Reports, 2016, 6, 23122.	3.3	32
84	Cytochrome P450 CYP2 genes in the common cormorant: Evolutionary relationships with 130 diapsid CYP2 clan sequences and chemical effects on their expression. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 280-289.	2.6	31
85	CYP79 P450 monooxygenases in gymnosperms: CYP79A118 is associated with the formation of taxiphyllin in <i>Taxus baccata</i> . Plant Molecular Biology, 2017, 95, 169-180.	3.9	31
86	The cytochrome P450 genes of channel catfish: Their involvement in disease defense responses as revealed by meta-analysis of RNA-Seq data sets. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2813-2828.	2.4	30
87	Pathogen-induced biosynthetic pathways encode defense-related molecules in bread wheat. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123299119.	7.1	30
88	gln3 Mutations Dissociate Responses to Nitrogen Limitation (Nitrogen Catabolite Repression) and Rapamycin Inhibition of TorC1. Journal of Biological Chemistry, 2013, 288, 2789-2804.	3.4	28
89	Similarities, variations, and evolution of cytochrome P450s in <i>Streptomyces</i> versus <i>Mycobacterium</i> . Scientific Reports, 2019, 9, 3962.	3.3	28
90	Cytochrome P450 Genes from the Sacred Lotus Genome. Tropical Plant Biology, 2013, 6, 138-151.	1.9	27

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91	Phospholipid and detergent effects on (Ca ²⁺ + Mg ²⁺)ATpase purified from human erythrocytes. Archives of Biochemistry and Biophysics, 1985, 236, 720-730.	3.0	24
92	Deletion of the Nuclear Gene Encoding the Mitochondrial Citrate Transport Protein from <i>Saccharomyces cerevisiae</i> . Biochemical and Biophysical Research Communications, 1996, 226, 657-662.	2.1	24
93	Diversity and evolution of cytochrome P450 monooxygenases in Oomycetes. Scientific Reports, 2015, 5, 11572.	3.3	24
94	Cytochrome P450 diversity and induction by gorgonian allelochemicals in the marine gastropod <i>Cyphoma gibbosum</i> . BMC Ecology, 2010, 10, 24.	3.0	23
95	Cytochrome P450 complement (CYPome) of <i>Candida oregonensis</i> , a gut-associated yeast of bark beetle, <i>Dendroctonus rhizophagus</i> . Fungal Biology, 2016, 120, 1077-1089.	2.5	23
96	Impact of lifestyle on cytochrome P450 monooxygenase repertoire is clearly evident in the bacterial phylum Firmicutes. Scientific Reports, 2020, 10, 13982.	3.3	22
97	Expression, Purification, and Biochemical Characterization of the Flavocytochrome P450 CYP505A30 from <i>Myceliophthora thermophila</i> . ACS Omega, 2017, 2, 4705-4724.	3.5	21
98	Comprehensive Analyses of Cytochrome P450 Monooxygenases and Secondary Metabolite Biosynthetic Gene Clusters in Cyanobacteria. International Journal of Molecular Sciences, 2020, 21, 656.	4.1	21
99	Gene Duplication Leads to Altered Membrane Topology of a Cytochrome P450 Enzyme in Seed Plants. Molecular Biology and Evolution, 2017, 34, 2041-2056.	8.9	20
100	A Transcriptome Survey Spanning Life Stages and Sexes of the Harlequin Bug, <i>Murgantia histrionica</i> . Insects, 2017, 8, 55.	2.2	20
101	More P450s Are Involved in Secondary Metabolite Biosynthesis in <i>Streptomyces</i> Compared to <i>Bacillus</i> , <i>Cyanobacteria</i> , and <i>Mycobacterium</i> . International Journal of Molecular Sciences, 2020, 21, 4814.	4.1	20
102	A flavin-dependent monooxygenase catalyzes the initial step in cyanogenic glycoside synthesis in ferns. Communications Biology, 2020, 3, 507.	4.4	20
103	Comparative Analyses of Cytochrome P450s and Those Associated with Secondary Metabolism in <i>Bacillus</i> Species. International Journal of Molecular Sciences, 2018, 19, 3623.	4.1	19
104	The genome of the stable fly, <i>Stomoxys calcitrans</i> , reveals potential mechanisms underlying reproduction, host interactions, and novel targets for pest control. BMC Biology, 2021, 19, 41.	3.8	19
105	<i>Aegilops tauschii</i> genome assembly Aet v5.0 features greater sequence contiguity and improved annotation. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	19
106	The Ectocarpus Genome and Brown Algal Genomics. Advances in Botanical Research, 2012, 64, 141-184.	1.1	18
107	Structural and catalytic properties of the peroxygenase P450 enzyme CYP152K6 from <i>Bacillus methanolicus</i> . Journal of Inorganic Biochemistry, 2018, 188, 18-28.	3.5	18
108	Diversity and evolution of cytochromes P450 in stramenopiles. Planta, 2019, 249, 647-661.	3.2	18

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109	The yeast ADP/ATP carrier. Mutagenesis and second-site revertants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 133-137.	1.0	17
110	Contrasting Health Effects of Bacteroidetes and Firmicutes Lies in Their Genomes: Analysis of P450s, Ferredoxins, and Secondary Metabolite Clusters. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5057.	4.1	17
111	Stimulation of (Ca ²⁺ + Mg ²⁺)-ATPase activity in human erythrocyte membranes by synthetic lysophosphatidic acids and lysophosphatidylcholines. Effects of chain length and degree of unsaturation of the fatty acid groups. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 812, 568-574.	2.6	15
112	Nuclear Gln3 Import Is Regulated by Nitrogen Catabolite Repression Whereas Export Is Specifically Regulated by Glutamine. <i>Genetics</i> , 2015, 201, 989-1016.	2.9	15
113	Blooming of Unusual Cytochrome P450s by Tandem Duplication in the Pathogenic Fungus <i>Conidiobolus coronatus</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 1711.	4.1	15
114	Mining databases for cytochrome P450 genes. <i>Methods in Enzymology</i> , 2002, 357, 3-15.	1.0	13
115	A cytochrome P450 monooxygenase gene required for biosynthesis of the trichothecene toxin harzianum A in <i>Trichoderma</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8087-8103.	3.6	13
116	Cytochrome P450 Monooxygenase CYP139 Family Involved in the Synthesis of Secondary Metabolites in 824 Mycobacterial Species. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2690.	4.1	13
117	Distribution and Diversity of Cytochrome P450 Monooxygenases in the Fungal Class Tremellomycetes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2889.	4.1	12
118	Genome-wide survey of cytochrome P450 genes in the salmon louse <i>Lepeophtheirus salmonis</i> (KrÅyler,.) Tj ETQq0 0,0rgBT /Overlock 10 Tj ETQq0 0,0rgBT /Overlock 10 Tj ETQq0 0,0rgBT /Overlock 10	2.5	12
119	Transcriptome Analysis of Pyrethroid-Resistant <i>Chrysodeixis includens</i> (Lepidoptera): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	12
120	Annotation, classification, genomic organization and expression of the <i>Vitis vinifera</i> CYPome. <i>PLoS ONE</i> , 2018, 13, e0199902.	2.5	11
121	Comprehensive Comparative Analysis of Cholesterol Catabolic Genes/Proteins in Mycobacterial Species. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1032.	4.1	11
122	In Silico Analysis of P450s and Their Role in Secondary Metabolism in the Bacterial Class Gammaproteobacteria. <i>Molecules</i> , 2021, 26, 1538.	3.8	11
123	Evolution and enrichment of CYP5035 in Polyporales: functionality of an understudied P450 family. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6779-6792.	3.6	11
124	A terpene synthase-cytochrome P450 cluster in <i>Dictyostelium discoideum</i> produces a novel trisnorsesquiterpene. <i>ELife</i> , 2019, 8, .	6.0	11
125	The Birth-and-Death Evolution of Cytochrome P450 Genes in Bees. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	11
126	The cytochrome <i>P</i> 450 complement (<sc>CYP</sc>ome) of <i>Mycosphaerella graminicola</i> . <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 52-64.	3.1	10

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127	CYPome of the conifer pathogen <i>Heterobasidion irregulare</i> : Inventory, phylogeny, and transcriptional analysis of the response to biocontrol. <i>Fungal Biology</i> , 2017, 121, 158-171.	2.5	9
128	Ancient Bacterial Class Alphaproteobacteria Cytochrome P450 Monooxygenases Can Be Found in Other Bacterial Species. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5542.	4.1	9
129	Diversification of Ferredoxins across Living Organisms. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1374-1390.	2.4	9
130	An Unprecedented Number of Cytochrome P450s Are Involved in Secondary Metabolism in <i>Salinispora</i> Species. <i>Microorganisms</i> , 2022, 10, 871.	3.6	8
131	Rabbit platelet calcium ATPase differs from the human erythrocyte (Ca ²⁺ + Mg ²⁺)-ATPase in its response to three purified phospholipases A ₂ , exogenous phospholipids and calmodulin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 776, 259-266.	2.6	7
132	Transcriptome Sequencing of the Striped Cucumber Beetle, <i>Acalymma vittatum</i> (F.), Reveals Numerous Sex-Specific Transcripts and Xenobiotic Detoxification Genes. <i>BioTech</i> , 2020, 9, 21.	2.6	7
133	Comparative Analysis, Structural Insights, and Substrate/Drug Interaction of CYP128A1 in <i>Mycobacterium tuberculosis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 4816.	4.1	7
134	The cytochrome P450 (CYP) superfamily in cnidarians. <i>Scientific Reports</i> , 2021, 11, 9834.	3.3	7
135	Genomic and Transcriptomic Insight of Giant Sclerotium Formation of Wood-Decay Fungi. <i>Frontiers in Microbiology</i> , 2021, 12, 746121.	3.5	7
136	Lifestyles Shape the Cytochrome P450 Repertoire of the Bacterial Phylum Proteobacteria. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5821.	4.1	7
137	Analysis and preliminary characterisation of the cytochrome P450 monooxygenases from <i>Frankia</i> sp. Eul1c (<i>Frankia inefficax</i> sp.). <i>Archives of Biochemistry and Biophysics</i> , 2019, 669, 11-21.	3.0	6
138	Assessing the identity and expression level of the cytochrome P450 20A1 (CYP20A1) gene in the BPA-, BDE-47, and WAF-exposed copepods <i>Tigriopus japonicus</i> and <i>Paracyclopsina nana</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 193, 42-49.	2.6	5
139	Genome-wide identification of 52 cytochrome P450 (CYP) genes in the copepod <i>Tigriopus japonicus</i> and their B[1±]P-induced expression patterns. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 23, 49-57.	1.0	4
140	Comparative analyses and structural insights of the novel cytochrome P450 fusion protein family CYP5619 in Oomycetes. <i>Scientific Reports</i> , 2018, 8, 6597.	3.3	4
141	Cytochrome P450s in the sugarcane <i>Saccharum spontaneum</i> . <i>Tropical Plant Biology</i> , 2019, 12, 150-157.	1.9	2