

Agostinho Antunes

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177
papers

5,250
citations

37
h-index

67
g-index

203
ext. papers

6,497
ext. citations

5.1
avg, IF

5.49
L-index

#	Paper	IF	Citations
177	Decoding sex: Elucidating sex determination and how high-quality genome assemblies are untangling the evolutionary dynamics of sex chromosomes.. <i>Genomics</i> , 2022 , 114, 110277	4.3	1
176	Cyanobacterial Blooms: Current Knowledge and New Perspectives. <i>Earth</i> , 2022 , 3, 127-135	1	2
175	Susceptibility of Pets to SARS-CoV-2 Infection: Lessons from a Seroepidemiologic Survey of Cats and Dogs in Portugal.. <i>Microorganisms</i> , 2022 , 10,	4.9	5
174	A collective statement in support of saving pangolins.. <i>Science of the Total Environment</i> , 2022 , 153666	10.2	0
173	The new COST Action European Venom Network (EUVEN)-synergy and future perspectives of modern venomics. <i>GigaScience</i> , 2021 , 10,	7.6	1
172	DISTATIS: A Promising Framework to Integrate Distance Matrices in Molecular Phylogenetics. <i>Current Topics in Medicinal Chemistry</i> , 2021 , 21, 599-611	3	
171	Review on Cyanobacterial Studies in Portugal: Current Impacts and Research Needs. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4355	2.6	0
170	Demo-Genetic Approach for the Conservation and Restoration of a Habitat-Forming Octocoral: The Case of Red Coral, <i>Corallium rubrum</i> , in the Réserve Naturelle de Scandola. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	4
169	Engineering protein fragments via evolutionary and protein-protein interaction algorithms: de novo design of peptide inhibitors for F ₁ F ₀ -ATP synthase. <i>FEBS Letters</i> , 2021 , 595, 183-194	3.8	1
168	From molecule to conservation: DNA-based methods to overcome frontiers in the shark and ray fin trade. <i>Conservation Genetics Resources</i> , 2021 , 13, 231-247	0.8	0
167	Preliminary evidence on the presence of cyanobacteria and cyanotoxins from culture enrichments followed by PCR analysis: new perspectives from Africa (Mali) and South Pacific (Fiji) countries. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 31731-31745	5.1	1
166	Proteogenomic Characterization of the Cement and Adhesive Gland of the Pelagic Gooseneck Barnacle. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
165	Positive selection as a key player for SARS-CoV-2 pathogenicity: Insights into ORF1ab, S and E genes. <i>Virus Research</i> , 2021 , 302, 198472	6.4	11
164	Gradients of genetic diversity and differentiation across the distribution range of a Mediterranean coral: Patterns, processes and conservation implications. <i>Diversity and Distributions</i> , 2021 , 27, 2104	5	0
163	Strong Sexual Selection Does Not Induce Population Differentiation in a Fish Species with High Dispersal Potential: The Curious Case of the Worm Pipefish <i>Nerophis lumbriciformis</i> (Teleostei: Syngnathidae). <i>Journal of Heredity</i> , 2020 , 111, 585-592	2.4	0
162	Putative Antimicrobial Peptides of the Posterior Salivary Glands from the Cephalopod Revealed by Exploring a Composite Protein Database. <i>Antibiotics</i> , 2020 , 9,	4.9	4
161	The evolutionary history of extinct and living lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10927-10934	11.5	31

160	Polymerase chain reaction as a promising tool for DNA-based diet studies of crustaceans. <i>Regional Studies in Marine Science</i> , 2020 , 37, 101340	1.5	1
159	Medusozoans reported in Portugal and its ecological and economical relevance. <i>Regional Studies in Marine Science</i> , 2020 , 35, 101230	1.5	2
158	Cyanotoxins Occurrence in Portugal: A New Report on Their Recent Multiplication. <i>Toxins</i> , 2020 , 12,	4.9	9
157	Acquisition of social behavior in mammalian lineages is related with duplication events of FPR genes. <i>Genomics</i> , 2020 , 112, 2778-2783	4.3	2
156	Neofunctionalization of the UCP1 mediated the non-shivering thermogenesis in the evolution of small-sized placental mammals. <i>Genomics</i> , 2020 , 112, 2489-2498	4.3	3
155	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020 , 9,	7.6	17
154	Genetic records of intertidal sea anemones from Portugal. <i>Regional Studies in Marine Science</i> , 2020 , 34, 101067	1.5	
153	The genomic context of retrocopies increases their chance of functional relevancy in mammals. <i>Genomics</i> , 2020 , 112, 2410-2417	4.3	1
152	Assessing the impact of population decline on mating system in the overexploited Mediterranean red coral. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020 , 30, 1149-1159	2.6	7
151	Omics Advances in the Study of Zooplankton 2020 , 264-277		
150	Genomics perspectives on cyanobacteria research 2020 , 147-159		1
149	The genetic diversity of two invasive sympatric bivalves (<i>Corbicula fluminea</i> and <i>Dreissena polymorpha</i>) from Lakes Garda and Maggiore, Northern Italy. <i>Journal of Great Lakes Research</i> , 2020 , 46, 225-229	3	2
148	Evolutionary History, Genomic Adaptation to Toxic Diet, and Extinction of the Carolina Parakeet. <i>Current Biology</i> , 2020 , 30, 108-114.e5	6.3	16
147	Comparative eye and liver differentially expressed genes reveal monochromatic vision and cancer resistance in the shortfin mako shark (<i>Isurus oxyrinchus</i>). <i>Genomics</i> , 2020 , 112, 4817-4826	4.3	2
146	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, <i>Homotherium latidens</i> . <i>Current Biology</i> , 2020 , 30, 5018-5025.e5	6.3	18
145	ShadowCaster: Compositional Methods under the Shadow of Phylogenetic Models to Detect Horizontal Gene Transfers in Prokaryotes. <i>Genes</i> , 2020 , 11,	4.2	4
144	The Genome Sequence of the Octocoral - A Key Resource To Study the Impact of Climate Change in the Mediterranean. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 2941-2952	3.2	1
143	Shotgun Proteomics of Ascidiacs Tunic Gives New Insights on Host-Microbe Interactions by Revealing Diverse Antimicrobial Peptides. <i>Marine Drugs</i> , 2020 , 18,	6	5

142	Evolutionary genomics of mammalian lung cancer genes reveals signatures of positive selection in APC, RB1 and TP53. <i>Genomics</i> , 2020 , 112, 4722-4731	4.3	
141	Are pangolins scapegoats of the COVID-19 outbreak-CoV transmission and pathology evidence?. <i>Conservation Letters</i> , 2020 , 13, e12754	6.9	8
140	Data Employed in the Construction of a Composite Protein Database for Proteogenomic Analyses of Cephalopods Salivary Apparatus. <i>Data</i> , 2020 , 5, 110	2.3	0
139	The Quantitative Proteome of the Cement and Adhesive Gland of the Pedunculate Barnacle,. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
138	Whole-Genome Comparisons Among the Genus Reveal the Enrichment of Genes Encoding Ankyrin-Repeats Containing Proteins in Sponge-Associated Bacteria. <i>Frontiers in Microbiology</i> , 2019 , 10, 5	5.7	6
137	Avian Binocularity and Adaptation to Nocturnal Environments: Genomic Insights From a Highly Derived Visual Phenotype. <i>Genome Biology and Evolution</i> , 2019 , 11, 2244-2255	3.9	6
136	Characterization of the First Conotoxin from , a Vermivorous Cone Snail from the Cabo Verde Archipelago. <i>Marine Drugs</i> , 2019 , 17,	6	5
135	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host-Pathogen Arms Race in Birds. <i>Diversity</i> , 2019 , 11, 131	2.5	9
134	Graph Theory-Based Sequence Descriptors as Remote Homology Predictors. <i>Biomolecules</i> , 2019 , 10,	5.9	6
133	White shark genome reveals ancient elasmobranch adaptations associated with wound healing and the maintenance of genome stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4446-4455	11.5	51
132	LMAP_S: Lightweight Multigene Alignment and Phylogeny eStimation. <i>BMC Bioinformatics</i> , 2019 , 20, 739	3.6	0
131	Comparative Genomics Reveals Metabolic Specificity of Isolated from a Marine Sponge and the Genomic Repertoire for Host-Bacteria Symbioses. <i>Microorganisms</i> , 2019 , 7,	4.9	3
130	The Harderian gland transcriptomes of <i>Caraiba andreae</i> , <i>Cubophis cantherigerus</i> and <i>Tretanorhinus variabilis</i> , three colubroid snakes from Cuba. <i>Genomics</i> , 2019 , 111, 1720-1727	4.3	4
129	Measuring phylogenetic signal between categorical traits and phylogenies. <i>Bioinformatics</i> , 2019 , 35, 1862-1869	7.2	28
128	The Complete Phylogeny of Pangolins: Scaling Up Resources for the Molecular Tracing of the Most Trafficked Mammals on Earth. <i>Journal of Heredity</i> , 2018 , 109, 347-359	2.4	42
127	Innovative assembly strategy contributes to understanding the evolution and conservation genetics of the endangered <i>Solenodon paradoxus</i> from the island of Hispaniola. <i>GigaScience</i> , 2018 , 7,	7.6	10
126	Beyond the beaten path: improving natural products bioprospecting using an eco-evolutionary framework - the case of the octocorals. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 184-198	9.4	7
125	Proteomic Analyses of the Unexplored Sea Anemone <i>Bunodactis verrucosa</i> . <i>Marine Drugs</i> , 2018 , 16,	6	13

124	Surveying alignment-free features for Ortholog detection in related yeast proteomes by using supervised big data classifiers. <i>BMC Bioinformatics</i> , 2018 , 19, 166	3.6	2
123	The Swinholide Biosynthesis Gene Cluster from a Terrestrial Cyanobacterium, <i>Nostoc</i> sp. Strain UHCC 0450. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	16
122	Transcriptomic Characterization of the South American Freshwater Stingray Venom Apparatus. <i>Toxins</i> , 2018 , 10,	4.9	4
121	Postglacial range expansion shaped the spatial genetic structure in a marine habitat-forming species: Implications for conservation plans in the Eastern Adriatic Sea. <i>Journal of Biogeography</i> , 2018 , 45, 2645-2657	4.1	8
120	Adaptive genomic evolution of opsins reveals that early mammals flourished in nocturnal environments. <i>BMC Genomics</i> , 2018 , 19, 121	4.5	11
119	Genus-wide comparison of <i>Pseudovibrio</i> bacterial genomes reveal diverse adaptations to different marine invertebrate hosts. <i>PLoS ONE</i> , 2018 , 13, e0194368	3.7	15
118	Parabolic variation in sexual selection intensity across the range of a cold-water pipefish: implications for susceptibility to climate change. <i>Global Change Biology</i> , 2017 , 23, 3600-3609	11.4	10
117	Analysis of <i>Pelagia noctiluca</i> proteome Reveals a Red Fluorescent Protein, a Zinc Metalloproteinase and a Peroxiredoxin. <i>Protein Journal</i> , 2017 , 36, 77-97	3.9	14
116	Vomeroneasal Receptors in Vertebrates and the Evolution of Pheromone Detection. <i>Annual Review of Animal Biosciences</i> , 2017 , 5, 353-370	13.7	55
115	Adaptive Patterns of Mitogenome Evolution Are Associated with the Loss of Shell Scutes in Turtles. <i>Molecular Biology and Evolution</i> , 2017 , 34, 2522-2536	8.3	11
114	Plant Cyanotoxins: Molecular Methods and Current Applications. <i>Toxinology</i> , 2017 , 339-360	0	1
113	First occurrence of cylindrospermopsin in Portugal: a contribution to its continuous global dispersal. <i>Toxicon</i> , 2017 , 130, 87-90	2.8	10
112	Exploring general-purpose protein features for distinguishing enzymes and non-enzymes within the twilight zone. <i>BMC Bioinformatics</i> , 2017 , 18, 349	3.6	7
111	Genome-wide signatures of complex introgression and adaptive evolution in the big cats. <i>Science Advances</i> , 2017 , 3, e1700299	14.3	67
110	The lek mating system of the worm pipefish (<i>Nerophis lumbriciformis</i>): a molecular maternity analysis and test of the phenotype-linked fertility hypothesis. <i>Molecular Ecology</i> , 2017 , 26, 1371-1385	5.7	8
109	Microcystin-LR Detected in a Low Molecular Weight Fraction from a Crude Extract of <i>Zoanthus sociatus</i> . <i>Toxins</i> , 2017 , 9,	4.9	4
108	Positive Selection Linked with Generation of Novel Mammalian Dentition Patterns. <i>Genome Biology and Evolution</i> , 2016 , 8, 2748-59	3.9	6
107	Molecular Forensics into the Sea: How Molecular Markers Can Help to Struggle Against Poaching and Illegal Trade in Precious Corals? 2016 , 729-745		2

106	Phylogeography of the heavily poached African common pangolin (<i>Pholidota</i> , <i>Manis tricuspis</i>) reveals six cryptic lineages as traceable signatures of Pleistocene diversification. <i>Molecular Ecology</i> , 2016 , 25, 5975-5993	5.7	22
105	De novo sequencing, assembly and analysis of eight different transcriptomes from the Malayan pangolin. <i>Scientific Reports</i> , 2016 , 6, 28199	4.9	9
104	Genetic characterization of <i>Microcystis aeruginosa</i> isolates from Portuguese freshwater systems. <i>World Journal of Microbiology and Biotechnology</i> , 2016 , 32, 118	4.4	4
103	Deadly Innovations: Unraveling the Molecular Evolution of Animal Venoms 2016 , 1-27		8
102	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. <i>Genome Biology and Evolution</i> , 2016 , 8, 1115-31	3.9	15
101	Genetic Evidence for Contrasting Wetland and Savannah Habitat Specializations in Different Populations of Lions (<i>Panthera leo</i>). <i>Journal of Heredity</i> , 2016 , 107, 101-3	2.4	4
100	Low Genetic Diversity and High Invasion Success of <i>Corbicula fluminea</i> (<i>Bivalvia</i> , <i>Corbiculidae</i>) (<i>Müller</i> , 1774) in Portugal. <i>PLoS ONE</i> , 2016 , 11, e0158108	3.7	21
99	Alignment-Free Methods for the Detection and Specificity Prediction of Adenylation Domains. <i>Methods in Molecular Biology</i> , 2016 , 1401, 253-72	1.4	3
98	Plant Cyanotoxins: Molecular Methods and Current Applications 2016 , 1-23		
97	How the Protein Architecture of RNases III Influences their Substrate Specificity?. <i>Current Pharmaceutical Design</i> , 2016 , 22, 5065-5071	3.3	
96	Jellyfish Bioactive Compounds: Methods for Wet-Lab Work. <i>Marine Drugs</i> , 2016 , 14,	6	14
95	Response to Comment by Faurby, Werdelin and Svenning. <i>Genome Biology</i> , 2016 , 17, 90	18.3	2
94	Bone-associated gene evolution and the origin of flight in birds. <i>BMC Genomics</i> , 2016 , 17, 371	4.5	5
93	LMAP: Lightweight Multigene Analyses in PAML. <i>BMC Bioinformatics</i> , 2016 , 17, 354	3.6	10
92	Pangolin genomes and the evolution of mammalian scales and immunity. <i>Genome Research</i> , 2016 , 26, 1312-1322	9.7	54
91	Phylogeny and biogeography of the invasive cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Archives of Microbiology</i> , 2015 , 197, 47-52	3	30
90	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015 , 32, 2832-43	8.3	47
89	Demographic responses to warming: reproductive maturity and sex influence vulnerability in an octocoral. <i>Coral Reefs</i> , 2015 , 34, 1207-1216	4.2	11

88	Small Molecules in the Cone Snail Arsenal. <i>Organic Letters</i> , 2015 , 17, 4933-5	6.2	16
87	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. <i>BMC Genomics</i> , 2015 , 16, 751	4.5	37
86	Combining genetic and demographic data for the conservation of a Mediterranean marine habitat-forming species. <i>PLoS ONE</i> , 2015 , 10, e0119585	3.7	32
85	Pyrosequencing characterization of the microbiota from Atlantic intertidal marine sponges reveals high microbial diversity and the lack of co-occurrence patterns. <i>PLoS ONE</i> , 2015 , 10, e0127455	3.7	25
84	An Effective Big Data Supervised Imbalanced Classification Approach for Ortholog Detection in Related Yeast Species. <i>BioMed Research International</i> , 2015 , 2015, 748681	3	11
83	What's behind these scales? Comments to "The complete mitochondrial genome of Temminck's ground pangolin (<i>Smutsia temminckii</i> ; Smuts, 1832) and phylogenetic position of the Pholidota (Weber, 1904)". <i>Gene</i> , 2015 , 563, 106-8	3.8	9
82	Whole Genome Sequencing of the Symbiont <i>Pseudovibrio</i> sp. from the Intertidal Marine Sponge <i>Polymastia penicillus</i> Revealed a Gene Repertoire for Host-Switching Permissive Lifestyle. <i>Genome Biology and Evolution</i> , 2015 , 7, 3022-32	3.9	22
81	Genomic legacy of the African cheetah, <i>Acinonyx jubatus</i> . <i>Genome Biology</i> , 2015 , 16, 277	18.3	99
80	Bushmeat genetics: setting up a reference framework for the DNA typing of African forest bushmeat. <i>Molecular Ecology Resources</i> , 2015 , 15, 633-51	8.4	30
79	Adaptation of the Mitochondrial Genome in Cephalopods: Enhancing Proton Translocation Channels and the Subunit Interactions. <i>PLoS ONE</i> , 2015 , 10, e0135405	3.7	9
78	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. <i>Nature Communications</i> , 2014 , 5, 3521	17.4	203
77	Annotated features of domestic cat - <i>Felis catus</i> genome. <i>GigaScience</i> , 2014 , 3, 13	7.6	26
76	African origin and Europe-mediated global dispersal of the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Current Microbiology</i> , 2014 , 69, 628-33	2.4	8
75	Diversification of a single ancestral gene into a successful toxin superfamily in highly venomous Australian funnel-web spiders. <i>BMC Genomics</i> , 2014 , 15, 177	4.5	39
74	Sympatric Asian felid phylogeography reveals a major Indochinese-Sundaic divergence. <i>Molecular Ecology</i> , 2014 , 23, 2072-92	5.7	38
73	Evolutionary genomics and adaptive evolution of the Hedgehog gene family (<i>Shh</i> , <i>Ihh</i> and <i>Dhh</i>) in vertebrates. <i>PLoS ONE</i> , 2014 , 9, e74132	3.7	18
72	Adaptive functional divergence of the warm temperature acclimation-related protein (WAP65) in fishes and the ortholog hemopexin (HPX) in mammals. <i>Journal of Heredity</i> , 2014 , 105, 237-52	2.4	11
71	Mammalian keratin associated proteins (KRTAPs) subgenomes: disentangling hair diversity and adaptation to terrestrial and aquatic environments. <i>BMC Genomics</i> , 2014 , 15, 779	4.5	37

70	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014 , 346, 1311-20	33.3	628
69	IMPACT_S: integrated multiprogram platform to analyze and combine tests of selection. <i>PLoS ONE</i> , 2014 , 9, e96243	3.7	17
68	Computational study of the covalent bonding of microcystins to cysteine residues--a reaction involved in the inhibition of the PPP family of protein phosphatases. <i>FEBS Journal</i> , 2013 , 280, 674-80	5.7	42
67	Molecular phylogeny and evolution of the proteins encoded by coleoid (cuttlefish, octopus, and squid) posterior venom glands. <i>Journal of Molecular Evolution</i> , 2013 , 76, 192-204	3.1	52
66	Phylogeny of microcystins: evidence of a biogeographical trend?. <i>Current Microbiology</i> , 2013 , 66, 214-21	2.4	13
65	Insights into the toxicological properties of a low molecular weight fraction from <i>Zoanthus sociatus</i> (Cnidaria). <i>Marine Drugs</i> , 2013 , 11, 2873-81	6	4
64	Dracula@ children: molecular evolution of vampire bat venom. <i>Journal of Proteomics</i> , 2013 , 89, 95-111	3.9	50
63	Three-fingered RAVERS: Rapid Accumulation of Variations in Exposed Residues of snake venom toxins. <i>Toxins</i> , 2013 , 5, 2172-208	4.9	85
62	Evolution stings: the origin and diversification of scorpion toxin peptide scaffolds. <i>Toxins</i> , 2013 , 5, 2456-27	4.7	63
61	Atractaspis aterrima toxins: the first insight into the molecular evolution of venom in side-stabbers. <i>Toxins</i> , 2013 , 5, 1948-64	4.9	15
60	Differential evolution and neofunctionalization of snake venom metalloprotease domains. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 651-63	7.6	65
59	Phylogeny and biogeography of cyanobacteria and their produced toxins. <i>Marine Drugs</i> , 2013 , 11, 4350-69	6.9	49
58	Squeezers and leaf-cutters: differential diversification and degeneration of the venom system in toxiciferan reptiles. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 1881-99	7.6	39
57	Conopeptides from Cape Verde <i>Conus crotchii</i> . <i>Marine Drugs</i> , 2013 , 11, 2203-15	6	8
56	EASER: Ensembl Easy Sequence Retriever. <i>Evolutionary Bioinformatics</i> , 2013 , 9, 487-90	1.9	4
55	Exploring the adenylation domain repertoire of nonribosomal peptide synthetases using an ensemble of sequence-search methods. <i>PLoS ONE</i> , 2013 , 8, e65926	3.7	6
54	Evidence of unique and generalist microbes in distantly related sympatric intertidal marine sponges (Porifera: Demospongiae). <i>PLoS ONE</i> , 2013 , 8, e80653	3.7	20
53	Morphological and genetic evidence for multiple evolutionary distinct lineages in the endangered and commercially exploited red lined torpedo barbs endemic to the Western Ghats of India. <i>PLoS ONE</i> , 2013 , 8, e69741	3.7	10

52	Molecular evolution of vertebrate neurotrophins: co-option of the highly conserved nerve growth factor gene into the advanced snake venom arsenal. <i>PLoS ONE</i> , 2013 , 8, e81827	3.7	37
51	Phylogenetic, chemical and morphological diversity of cyanobacteria from Portuguese temperate estuaries. <i>Marine Environmental Research</i> , 2012 , 73, 7-16	3.3	54
50	Adaptive evolution of the Retinoid X receptor in vertebrates. <i>Genomics</i> , 2012 , 99, 81-9	4.3	15
49	Sea anemone (Cnidaria, Anthozoa, Actiniaria) toxins: an overview. <i>Marine Drugs</i> , 2012 , 10, 1812-51	6	153
48	Emerging viruses in the Felidae: shifting paradigms. <i>Viruses</i> , 2012 , 4, 236-57	6.2	37
47	Fish lateral line innovation: insights into the evolutionary genomic dynamics of a unique mechanosensory organ. <i>Molecular Biology and Evolution</i> , 2012 , 29, 3887-98	8.3	10
46	Structural and molecular diversification of the Anguimorpha lizard mandibular venom gland system in the arboreal species <i>Abronia graminea</i> . <i>Journal of Molecular Evolution</i> , 2012 , 75, 168-83	3.1	16
45	Unusual symbiotic cyanobacteria association in the genetically diverse intertidal marine sponge <i>Hymeniacidon perlevis</i> (Demospongiae, Halichondrida). <i>PLoS ONE</i> , 2012 , 7, e51834	3.7	28
44	The chemical ecology of cyanobacteria. <i>Natural Product Reports</i> , 2012 , 29, 372-91	15.1	99
43	Evolution of CRISPs associated with toxiciferan-reptilian venom and mammalian reproduction. <i>Molecular Biology and Evolution</i> , 2012 , 29, 1807-22	8.3	75
42	The role of gene duplication and unconstrained selective pressures in the melanopsin gene family evolution and vertebrate circadian rhythm regulation. <i>PLoS ONE</i> , 2012 , 7, e52413	3.7	17
41	The phosphoprotein phosphatase family of Ser/Thr phosphatases as principal targets of naturally occurring toxins. <i>Critical Reviews in Toxicology</i> , 2011 , 41, 83-110	5.7	48
40	An alignment-free approach for eukaryotic ITS2 annotation and phylogenetic inference. <i>PLoS ONE</i> , 2011 , 6, e26638	3.7	6
39	Contribution of DNA-typing to bushmeat surveys: assessment of a roadside market in south-western Nigeria. <i>Wildlife Research</i> , 2011 , 38, 696	1.8	14
38	Seasonal dynamics of <i>Microcystis</i> spp. and their toxigenicity as assessed by qPCR in a temperate reservoir. <i>Marine Drugs</i> , 2011 , 9, 1715-30	6	22
37	Molecular and phylogenetic characterization of potentially toxic cyanobacteria in Tunisian freshwaters. <i>Systematic and Applied Microbiology</i> , 2011 , 34, 303-10	4.2	29
36	TI2BioP: Topological Indices to BioPolymers. Its practical use to unravel cryptic bacteriocin-like domains. <i>Amino Acids</i> , 2011 , 40, 431-42	3.5	11
35	Genetic diversity and structure of the invasive toxic cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Current Microbiology</i> , 2011 , 62, 1590-5	2.4	22

34	Genetic variability of the invasive cyanobacteria <i>Cylindrospermopsis raciborskii</i> from Bir Mqherga reservoir (Tunisia). <i>Archives of Microbiology</i> , 2011 , 193, 595-604	3	21
33	Application of real-time PCR in the assessment of the toxic cyanobacterium <i>Cylindrospermopsis raciborskii</i> abundance and toxicological potential. <i>Applied Microbiology and Biotechnology</i> , 2011 , 92, 189-197	5.7	28
32	Non-linear models based on simple topological indices to identify RNase III protein members. <i>Journal of Theoretical Biology</i> , 2011 , 273, 167-78	2.3	4
31	Adaptive evolution of the matrix extracellular phosphoglycoprotein in mammals. <i>BMC Evolutionary Biology</i> , 2011 , 11, 342	3	15
30	IMPACT: integrated multiprogram platform for analyses in ConTest. <i>Journal of Heredity</i> , 2011 , 102, 366-2.4	2.4	2
29	Unraveling a 146 years old taxonomic puzzle: validation of Malabar snakehead, species-status and its relevance for channid systematics and evolution. <i>PLoS ONE</i> , 2011 , 6, e21272	3.7	21
28	First report on the occurrence of microcystins in planktonic cyanobacteria from Central Mexico. <i>Toxicon</i> , 2010 , 56, 425-31	2.8	41
27	Morphological, toxicological and molecular characterization of a benthic <i>Nodularia</i> isolated from Atlantic estuarine environments. <i>Research in Microbiology</i> , 2010 , 161, 9-17	4	6
26	Molecular evolution and the role of oxidative stress in the expansion and functional diversification of cytosolic glutathione transferases. <i>BMC Evolutionary Biology</i> , 2010 , 10, 281	3	59
25	Alignment-free prediction of polygalacturonases with pseudofolding topological indices: experimental isolation from <i>Coffea arabica</i> and prediction of a new sequence. <i>Journal of Proteome Research</i> , 2009 , 8, 2122-8	5.6	55
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