

Yehu Moran

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,322
citations

218381

26
h-index

243296

44
g-index

67
all docs

67
docs citations

67
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolutionary origin of plant and animal microRNAs. <i>Nature Ecology and Evolution</i> , 2017, 1, 27.	3.4	180
2	The Rise and Fall of an Evolutionary Innovation: Contrasting Strategies of Venom Evolution in Ancient and Young Animals. <i>PLoS Genetics</i> , 2015, 11, e1005596.	1.5	121
3	Evolution of voltage-gated ion channels at the emergence of Metazoa. <i>Journal of Experimental Biology</i> , 2015, 218, 515-525.	0.8	109
4	Cnidarian microRNAs frequently regulate targets by cleavage. <i>Genome Research</i> , 2014, 24, 651-663.	2.4	104
5	Analysis of Soluble Protein Contents from the Nematocysts of a Model Sea Anemone Sheds Light on Venom Evolution. <i>Marine Biotechnology</i> , 2013, 15, 329-339.	1.1	95
6	Sea anemone toxins affecting voltage-gated sodium channels – molecular and evolutionary features. <i>Toxicon</i> , 2009, 54, 1089-1101.	0.8	94
7	Recurrent Horizontal Transfer of Bacterial Toxin Genes to Eukaryotes. <i>Molecular Biology and Evolution</i> , 2012, 29, 2223-2230.	3.5	91
8	Neurotoxin localization to ectodermal gland cells uncovers an alternative mechanism of venom delivery in sea anemones. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1351-1358.	1.2	90
9	Dynamics of venom composition across a complex life cycle. <i>ELife</i> , 2018, 7, .	2.8	83
10	Evolution of an Ancient Venom: Recognition of a Novel Family of Cnidarian Toxins and the Common Evolutionary Origin of Sodium and Potassium Neurotoxins in Sea Anemone. <i>Molecular Biology and Evolution</i> , 2015, 32, 1598-1610.	3.5	82
11	Concerted Evolution of Sea Anemone Neurotoxin Genes Is Revealed through Analysis of the <i>Nematostella vectensis</i> Genome. <i>Molecular Biology and Evolution</i> , 2008, 25, 737-747.	3.5	78
12	Positions under Positive Selection–Key for Selectivity and Potency of Scorpion \hat{A} -Toxins. <i>Molecular Biology and Evolution</i> , 2010, 27, 1025-1034.	3.5	71
13	Convergent Evolution of Sodium Ion Selectivity in Metazoan Neuronal Signaling. <i>Cell Reports</i> , 2012, 2, 242-248.	2.9	67
14	Ecological venomics: How genomics, transcriptomics and proteomics can shed new light on the ecology and evolution of venom. <i>Journal of Proteomics</i> , 2016, 135, 62-72.	1.2	67
15	Cell type-specific expression profiling unravels the development and evolution of stinging cells in sea anemone. <i>BMC Biology</i> , 2018, 16, 108.	1.7	62
16	The Evolution of MicroRNA Pathway Protein Components in Cnidaria. <i>Molecular Biology and Evolution</i> , 2013, 30, 2541-2552.	3.5	57
17	Too Many False Targets for MicroRNAs: Challenges and Pitfalls in Prediction of miRNA Targets and Their Gene Ontology in Model and Non-model Organisms. <i>BioEssays</i> , 2019, 41, e1800169.	1.2	56
18	Molecular analysis of the sea anemone toxin Av3 reveals selectivity to insects and demonstrates the heterogeneity of receptor site-3 on voltage-gated Na ⁺ channels. <i>Biochemical Journal</i> , 2007, 406, 41-48.	1.7	51

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19	The Evolution of the Four Subunits of Voltage-Gated Calcium Channels: Ancient Roots, Increasing Complexity, and Multiple Losses. <i>Genome Biology and Evolution</i> , 2014, 6, 2210-2217.	1.1	50
20	Characterization of the piRNA pathway during development of the sea anemone <i>Nematostella vectensis</i> . <i>RNA Biology</i> , 2017, 14, 1727-1741.	1.5	49
21	The Birth and Death of Toxins with Distinct Functions: A Case Study in the Sea Anemone <i>Nematostella</i> . <i>Molecular Biology and Evolution</i> , 2019, 36, 2001-2012.	3.5	48
22	Sirtuin regulation in calorie restriction. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1576-1583.	1.1	46
23	NvPOU4/Brain3 Functions as a Terminal Selector Gene in the Nervous System of the Cnidarian <i>Nematostella vectensis</i> . <i>Cell Reports</i> , 2020, 30, 4473-4489.e5.	2.9	44
24	Intron Retention as a Posttranscriptional Regulatory Mechanism of Neurotoxin Expression at Early Life Stages of the Starlet Anemone <i>Nematostella vectensis</i> . <i>Journal of Molecular Biology</i> , 2008, 380, 437-443.	2.0	43
25	Expression and Mutagenesis of the Sea Anemone Toxin Av2 Reveals Key Amino Acid Residues Important for Activity on Voltage-Gated Sodium Channels. <i>Biochemistry</i> , 2006, 45, 8864-8873.	1.2	39
26	Drosomycin, an Innate Immunity Peptide of <i>Drosophila melanogaster</i> , Interacts with the Fly Voltage-gated Sodium Channel. <i>Journal of Biological Chemistry</i> , 2009, 284, 23558-23563.	1.6	36
27	Bcs<scp>T</scp>x3 is a founder of a novel sea anemone toxin family of potassium channel blocker. <i>FEBS Journal</i> , 2013, 280, 4839-4852.	2.2	35
28	HYPOTHESIS: When positive selection of neurotoxin genes is missing. <i>FEBS Journal</i> , 2006, 273, 3886-3892.	2.2	28
29	Conservation of miRNA-mediated silencing mechanisms across 600 million years of animal evolution. <i>Nucleic Acids Research</i> , 2017, 45, 938-950.	6.5	26
30	Insights into how development and life-history dynamics shape the evolution of venom. <i>EvoDevo</i> , 2021, 12, 1.	1.3	25
31	Toxin-like neuropeptides in the sea anemone <i>Nematostella</i> unravel recruitment from the nervous system to venom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27481-27492.	3.3	24
32	The methyltransferase HEN1 is required in <i>Nematostella vectensis</i> for microRNA and piRNA stability as well as larval metamorphosis. <i>PLoS Genetics</i> , 2018, 14, e1007590.	1.5	21
33	The emerging field of venom-microbiomics for exploring venom as a microenvironment, and the corresponding Initiative for Venom Associated Microbes and Parasites (iVAMP). <i>Toxicon: X</i> , 2019, 4, 100016.	1.2	21
34	Fusion and Retrotransposition Events in the Evolution of the Sea Anemone <i>Anemonia viridis</i> Neurotoxin Genes. <i>Journal of Molecular Evolution</i> , 2009, 69, 115-124.	0.8	18
35	Some like it hot: population-specific adaptations in venom production to abiotic stressors in a widely distributed cnidarian. <i>BMC Biology</i> , 2020, 18, 121.	1.7	18
36	Functional Characterization of the Cnidarian Antiviral Immune Response Reveals Ancestral Complexity. <i>Molecular Biology and Evolution</i> , 2021, 38, 4546-4561.	3.5	18

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37	Unravelling the developmental and functional significance of an ancient Argonaute duplication. <i>Nature Communications</i> , 2020, 11, 6187.	5.8	17
38	Functional characterization of a “plant-like” HYL1 homolog in the cnidarian <i>Nematostella vectensis</i> indicates a conserved involvement in microRNA biogenesis. <i>ELife</i> , 2022, 11, .	2.8	14
39	AdE-1, a new inotropic Na ⁺ channel toxin from <i>Aiptasia diaphana</i> , is similar to, yet distinct from, known anemone Na ⁺ channel toxins. <i>Biochemical Journal</i> , 2013, 451, 81-90.	1.7	12
40	The specificity of Av3 sea anemone toxin for arthropods is determined at linker DI/SS2 in the pore module of target sodium channels. <i>Biochemical Journal</i> , 2014, 463, 271-277.	1.7	12
41	Evolution of miRNA Tailing by 3' Terminal Uridyl Transferases in Metazoa. <i>Genome Biology and Evolution</i> , 2017, 9, 1547-1560.	1.1	11
42	Deadly Innovations: Unraveling the Molecular Evolution of Animal Venoms. , 2016, , 1-27.		10
43	TATA Binding Protein (TBP) Promoter Drives Ubiquitous Expression of Marker Transgene in the Adult Sea Anemone <i>Nematostella vectensis</i> . <i>Genes</i> , 2020, 11, 1081.	1.0	10
44	Conservation and turnover of miRNAs and their highly complementary targets in early branching animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203169.	1.2	9
45	Dispersal and speciation: The cross Atlantic relationship of two parasitic cnidarians. <i>Molecular Phylogenetics and Evolution</i> , 2018, 126, 346-355.	1.2	6
46	The new COST Action European Venom Network (EUVEN) synergy and future perspectives of modern venomics. <i>GigaScience</i> , 2021, 10, .	3.3	6
47	Initial Virome Characterization of the Common Cnidarian Lab Model <i>Nematostella vectensis</i> . <i>Viruses</i> , 2020, 12, 218.	1.5	6
48	Molecular Description of Scorpion Toxin Interaction with Voltage-Gated Sodium Channels. , 2013, , 1-19.		2
49	Transposons Increase Transcriptional Complexity: The Good Parasite?. <i>Trends in Genetics</i> , 2021, 37, 606-607.	2.9	2
50	Molecular Description of Scorpion Toxin Interaction with Voltage-Gated Sodium Channels. , 2015, , 471-491.		0