

# Jeanne M Serb

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,316  
citations

394421

19  
h-index

361022

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g-index

39  
all docs

39  
docs citations

39  
times ranked

1409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogeny of North American amblymines (Bivalvia, Unionoida): prodigious polyphyly proves pervasive across genera. <i>Invertebrate Biology</i> , 2005, 124, 131-164.	0.9	129
2	Complete mtDNA Sequence of the North American Freshwater Mussel, <i>Lampsilis ornata</i> (Unionidae): An Examination of the Evolution and Phylogenetic Utility of Mitochondrial Genome Organization in Bivalvia (Mollusca). <i>Molecular Biology and Evolution</i> , 2003, 20, 1854-1866.	8.9	127
3	Molecular phylogenetics of the Pectinidae (Mollusca: Bivalvia) and effect of increased taxon sampling and outgroup selection on tree topology. <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 1178-1188.	2.7	101
4	The last common ancestor of most bilaterian animals possessed at least 9 opsins. <i>Genome Biology and Evolution</i> , 2016, 8, eww248.	2.5	92
5	Molecular systematics of the North American freshwater bivalve genus <i>Quadrula</i> (Unionidae): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 222 Td 1-11.	2.7	88
6	Convergent and parallel evolution in life habit of the scallops (Bivalvia: Pectinidae). <i>BMC Evolutionary Biology</i> , 2011, 11, 164.	3.2	63
7	Using phylogenetically-informed annotation (PIA) to search for light-interacting genes in transcriptomes from non-model organisms. <i>BMC Bioinformatics</i> , 2014, 15, 350.	2.6	62
8	Morphological convergence of shell shape in distantly related scallop species (Mollusca: Pectinidae). <i>Zoological Journal of the Linnean Society</i> , 2011, 163, 571-584.	2.3	53
9	Charting Evolution's Trajectory: Using Molluscan Eye Diversity to Understand Parallel and Convergent Evolution. <i>Evolution: Education and Outreach</i> , 2008, 1, 439-447.	0.8	52
10	Gene duplication and the origins of morphological complexity in pancrustacean eyes, a genomic approach. <i>BMC Evolutionary Biology</i> , 2010, 10, 123.	3.2	52
11	Identification of "extinct" freshwater mussel species using DNA barcoding. <i>Molecular Ecology Resources</i> , 2008, 8, 711-724.	4.8	44
12	Hierarchical phylogenetics as a quantitative analytical framework for evolutionary developmental biology. <i>BioEssays</i> , 2005, 27, 1158-1166.	2.5	43
13	New insights into the evolutionary history of photoreceptor cells. <i>Trends in Ecology and Evolution</i> , 2005, 20, 465-467.	8.7	39
14	Trends in the sand: Directional evolution in the shell shape of recessing scallops (Bivalvia): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td 2.3 34	2.3	34
15	Rates of morphological evolution, asymmetry and morphological integration of shell shape in scallops. <i>BMC Evolutionary Biology</i> , 2017, 17, 248.	3.2	34
16	De Novo Assembly and Characterization of Two Transcriptomes Reveal Multiple Light-Mediated Functions in the Scallop Eye (Bivalvia: Pectinidae). <i>PLoS ONE</i> , 2013, 8, e69852.	2.5	32
17	Phylogenetic convergence and multiple shell shape optima for gliding scallops (Bivalvia: Pectinidae). <i>Journal of Evolutionary Biology</i> , 2017, 30, 1736-1747.	1.7	29
18	Discovery Of Genetically Distinct Sympatric Lineages in the Freshwater Mussel <i>Cyprogenia Aberti</i> (Bivalvia: Unionidae). <i>Journal of Molluscan Studies</i> , 2006, 72, 425-434.	1.2	26

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19	Mouse Retinal Development: A Dark Horse Model for Systems Biology Research. <i>Bioinformatics and Biology Insights</i> , 2011, 5, BBI.S6930.	2.0	21
20	Uncovering a Gene Duplication of the Photoreceptive Protein, Opsin, in Scallops (Bivalvia: Pectinidae). <i>Integrative and Comparative Biology</i> , 2013, 53, 68-77.	2.0	20
21	Batesian mimics influence the evolution of conspicuousness in an aposematic salamander. <i>Journal of Evolutionary Biology</i> , 2015, 28, 1016-1023.	1.7	20
22	Phylogeny and anatomy of marine mussels (Bivalvia: Mytilidae) reveal convergent evolution of siphon traits. <i>Zoological Journal of the Linnean Society</i> , 2020, 190, 592-612.	2.3	17
23	Congruence and Conflict Between Molecular and Reproductive Characters When Assessing Biological Diversity in the Western Fanshell <i>Cyprogenia aberti</i> (Bivalvia, Unionidae). <i>Annals of the Missouri Botanical Garden</i> , 2008, 95, 248-261.	1.3	14
24	Hard to get, easy to lose: Evolution of mantle photoreceptor organs in bivalves (Bivalvia). <i>Trends in Ecology and Evolution</i> , 2010, 25, 542-547.	2.3	13
25	Toward Developing Models to Study the Disease, Ecology, and Evolution of the Eye in Mollusca*. <i>American Malacological Bulletin</i> , 2008, 26, 3-18.	0.2	12
26	Both novelty and conspicuousness influence selection by mammalian predators on the colour pattern of <i>Plethodon cinereus</i> (Urodela: Plethodontidae). <i>Biological Journal of the Linnean Society</i> , 2016, 118, 889-900.	1.6	12
27	Shell shape convergence masks biological diversity in gliding scallops: description of <i>Ylistrum</i> n. gen. (Pectinidae) from the Indo-Pacific Ocean. <i>Journal of Molluscan Studies</i> , 2014, 80, 400-411.	1.2	11
28	Reconciling Morphological and Molecular Approaches in Developing a Phylogeny for the Pectinidae (Mollusca: Bivalvia). <i>Developments in Aquaculture and Fisheries Science</i> , 2016, 40, 1-29.	1.3	11
29	Structural differences and differential expression among rhabdomeric opsins reveal functional change after gene duplication in the bay scallop, <i>Argopecten irradians</i> (Pectinidae). <i>BMC Evolutionary Biology</i> , 2016, 16, 250.	3.2	10
30	Strategy to Identify and Test Putative Light-Sensitive Non-Opsin G-Protein-Coupled Receptors: A Case Study. <i>Biological Bulletin</i> , 2017, 233, 70-82.	1.8	10
31	Molecular phylogeny of the Pectinoidea (Bivalvia) indicates Propeamussidae to be a non-monophyletic family with one clade sister to the scallops (Pectinidae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 137, 293-299.	2.7	10
32	Ark clams and relatives (Bivalvia: Arcida) show convergent morphological evolution associated with lifestyle transitions in the marine benthos. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 866-884.	1.6	10
33	Additive and epistatic effects influence spectral tuning in molluscan retinochrome opsin. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	6
34	Using Evolutionary Conserved Modules in Gene Networks as a Strategy to Leverage High Throughput Gene Expression Queries. <i>PLoS ONE</i> , 2010, 5, e12525.	2.5	5
35	Model toxin level does not directly influence the evolution of mimicry in the salamander <i>Plethodon cinereus</i> . <i>Evolutionary Ecology</i> , 2015, 29, 511-523.	1.2	5
36	Untangling the diversity and evolution of tentacles in scallops, oysters, and their relatives (Bivalvia). <i>Trends in Ecology and Evolution</i> , 2010, 25, 542-547.	1.6	5

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37	Variation in eye abundance among scallops reveals ontogenetic and evolutionary convergence associated with life habits. <i>Evolution; International Journal of Organic Evolution</i> , 0, , .	2.3	2
38	Introduction to the Symposium "Molluscan Models: Advancing Our Understanding of the Eye". <i>American Malacological Bulletin</i> , 2008, 26, 1-2.	0.2	1