

# Sven Gemballa

## List of Publications by Year in descending order

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22  
papers

797  
citations

567281

15  
h-index

677142

22  
g-index

22  
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22  
docs citations

22  
times ranked

694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergent evolution in mechanical design of lamnid sharks and tunas. <i>Nature</i> , 2004, 429, 61-65.	27.8	163
2	Ontogenetic and phylogenetic transformations of the ear ossicles in marsupial mammals. <i>Journal of Morphology</i> , 2002, 251, 219-238.	1.2	88
3	Spatial arrangement of white muscle fibers and myoseptal tendons in fishes. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2002, 133, 1013-1037.	1.8	66
4	The Embryonic and Larval Development of <i>Polypterus senegalus</i> Cuvier, 1829: its Staging with Reference to External and Skeletal Features, Behaviour and Locomotory Habits. <i>Acta Zoologica</i> , 1997, 78, 309-328.	0.8	62
5	Evolutionary transformations of myoseptal tendons in gnathostomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1229-1235.	2.6	52
6	Architecture of the integument in lower teleostomes: Functional morphology and evolutionary implications. <i>Journal of Morphology</i> , 2002, 253, 290-309.	1.2	44
7	Evolution of high-performance swimming in sharks: Transformations of the musculotendinous system from subcarangiform to thunniform swimmers. <i>Journal of Morphology</i> , 2006, 267, 477-493.	1.2	41
8	From head to tail: The myoseptal system in basal actinopterygians. <i>Journal of Morphology</i> , 2004, 259, 155-171.	1.2	33
9	Patterns of red muscle strain/activation and body kinematics during steady swimming in a lamnid shark, the shortfin mako ( <i>Isurus oxyrinchus</i> ). <i>Journal of Experimental Biology</i> , 2005, 208, 2377-2387.	1.7	32
10	Locomotory design of "cyclostome" fishes: Spatial arrangement and architecture of myosepta and lamellae. <i>Acta Zoologica</i> , 2001, 81, 267-283.	0.8	30
11	Structure, Kinematics, And Muscle Dynamics In Undulatory Swimming. <i>Fish Physiology</i> , 2005, , 241-280.	0.8	30
12	Situated learning in the mobile age: mobile devices on a field trip to the sea. <i>Research in Learning Technology</i> , 2009, 17, 187-199.	0.7	28
13	The myosepta in <i>Branchiostoma lanceolatum</i> (Cephalochordata): 3D reconstruction and microanatomy. <i>Zoomorphology</i> , 2003, 122, 169-179.	0.8	20
14	Myoseptal architecture of sarcopterygian fishes and salamanders with special reference to <i>Ambystoma mexicanum</i> . <i>Zoology</i> , 2003, 106, 29-41.	1.2	18
15	Cruising specialists and accelerators " Are different types of fish locomotion driven by differently structured myosepta?. <i>Zoology</i> , 2003, 106, 203-222.	1.2	18
16	Cytotoxic haplosclerid sponges preferred: a field study on the diet of the dotted sea slug <i>Peltodoris atromaculata</i> (Doridoidea: Nudibranchia). <i>Marine Biology</i> , 2004, 144, 1213-1222.	1.5	16
17	The musculotendinous system of an anguilliform swimmer: Muscles, myosepta, dermis, and their interconnections in <i>Anguilla rostrata</i> . <i>Journal of Morphology</i> , 2008, 269, 29-44.	1.2	15
18	Comparing and combining traditional teaching approaches and the use of video clips for learning how to identify species in an aquarium. <i>Journal of Biological Education</i> , 2012, 46, 140-148.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Whether depositing fat or losing weight, fish maintain a balance. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3777-3782.	2.6	9
20	The musculoskeletal system of the caudal fin in basal Actinopterygii: heterocercy, diphycercy, homocercy. Zoomorphology, 2004, 123, 15-30.	0.8	8
21	The locomotory system of pearlfish <i>Carapus acus</i> : What morphological features are characteristic for highly flexible fishes?. Journal of Morphology, 2012, 273, 519-529.	1.2	8
22	The myoseptal system in <i>Chimaera monstrosa</i> : collagenous fiber architecture and its evolution in the gnathostome stem lineage. Zoology, 2004, 107, 13-27.	1.2	6