

# Alexander Ziegler

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

656  
citations

623734  
14  
h-index

642732  
23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holistic description of new deep sea megafauna (Cephalopoda: Cirrata) using a minimally invasive approach. BMC Biology, 2021, 19, 81.	3.8	12
2	Novel insights into early life stages of finned octopods (Octopoda: Cirrata). Swiss Journal of Palaeontology, 2021, 140, .	1.7	5
3	<p class="HeadingRunIn"><strong>Combined visualization of echinoderm hard and soft parts using contrast-enhanced micro-computed tomography</strong></p>. Zoosymposia, 2019, 15, 172-191.	0.3	10
4	Dumbo octopod hatchling provides insight into early cirrate life cycle. Current Biology, 2018, 28, R144-R145.	3.9	13
5	The Historical and Biographical Context of Gregory's Diverticulum, an Unusual Organ in Sand Dollars. Breviora, 2018, 559, 1-18.	0.5	1
6	Digital Three-Dimensional Imaging Techniques Provide New Analytical Pathways for Malacological Research. American Malacological Bulletin, 2018, 36, 248.	0.2	41
7	Form and function of the teleost lateral line revealed using three-dimensional imaging and computational fluid dynamics. Journal of the Royal Society Interface, 2017, 14, 20160898.	3.4	24
8	Comprehensive analysis and reinterpretation of Cenozoic mesofossils reveals ancient origin of the snapping claw of alpheid shrimps. Scientific Reports, 2017, 7, 4076.	3.3	9
9	Comparative morphology and phylogenetic significance of Gregory's diverticulum in sand dollars (Echinoidea: Clypeasteroidea). Organisms Diversity and Evolution, 2016, 16, 141-166.	1.6	14
10	Future challenges in cephalopod research. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 999-1015.	0.8	75
11	Sine Systemate Chaos? A Versatile Tool for Earthworm Taxonomy: Non-Destructive Imaging of Freshly Fixed and Museum Specimens Using Micro-Computed Tomography. PLoS ONE, 2014, 9, e96617.	2.5	50
12	A dataset comprising 141 magnetic resonance imaging scans of 98 extant sea urchin species. GigaScience, 2014, 3, 21.	6.4	12
13	Presence of a seawater-filled caecum in Echinocardium cordatum (Echinoidea: Spatangoida). Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 379-385.	0.8	10
14	<strong>Broad application of non-invasive imaging techniques to echinoids and other echinoderm taxa</strong>. Zoosymposia, 2012, 7, 53-70.	0.3	26
15	Evolution of a Novel Muscle Design in Sea Urchins (Echinodermata: Echinoidea). PLoS ONE, 2012, 7, e37520.	2.5	22
16	Application of magnetic resonance imaging in zoology. Zoomorphology, 2011, 130, 227-254.	0.8	60
17	Effectively incorporating selected multimedia content into medical publications. BMC Medicine, 2011, 9, 17.	5.5	37
18	Analysis of Freshly Fixed and Museum Invertebrate Specimens Using High-Resolution, High-Throughput MRI. Methods in Molecular Biology, 2011, 771, 633-651.	0.9	22

#	ARTICLE	IF	CITATIONS
19	Leaving the structural ivory tower, assisted by interactive 3D PDF. Trends in Biochemical Sciences, 2010, 35, 419-422.	7.5	35
20	Origin and evolutionary plasticity of the gastric caecum in sea urchins (Echinodermata: Echinoidea). BMC Evolutionary Biology, 2010, 10, 313.	3.2	29
21	Opportunities and challenges for digital morphology. Biology Direct, 2010, 5, 45.	4.6	51
22	Systematic comparison and reconstruction of sea urchin (Echinoidea) internal anatomy: a novel approach using magnetic resonance imaging. BMC Biology, 2008, 6, 33.	3.8	58
23	Grasping molecular structures through publication-integrated 3D models. Trends in Biochemical Sciences, 2008, 33, 408-412.	7.5	40