

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	Future challenges in cephalopod research. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 999-1015.	0.8	75
2	Application of magnetic resonance imaging in zoology. <i>Zoomorphology</i> , 2011, 130, 227-254.	0.8	60
3	Systematic comparison and reconstruction of sea urchin (Echinoidea) internal anatomy: a novel approach using magnetic resonance imaging. <i>BMC Biology</i> , 2008, 6, 33.	3.8	58
4	Opportunities and challenges for digital morphology. <i>Biology Direct</i> , 2010, 5, 45.	4.6	51
5	Sine Systemate Chaos? A Versatile Tool for Earthworm Taxonomy: Non-Destructive Imaging of Freshly Fixed and Museum Specimens Using Micro-Computed Tomography. <i>PLoS ONE</i> , 2014, 9, e96617.	2.5	50
6	Digital Three-Dimensional Imaging Techniques Provide New Analytical Pathways for Malacological Research. <i>American Malacological Bulletin</i> , 2018, 36, 248.	0.2	41
7	Grasping molecular structures through publication-integrated 3D models. <i>Trends in Biochemical Sciences</i> , 2008, 33, 408-412.	7.5	40
8	Effectively incorporating selected multimedia content into medical publications. <i>BMC Medicine</i> , 2011, 9, 17.	5.5	37
9	Leaving the structural ivory tower, assisted by interactive 3D PDF. <i>Trends in Biochemical Sciences</i> , 2010, 35, 419-422.	7.5	35
10	Origin and evolutionary plasticity of the gastric caecum in sea urchins (Echinodermata: Echinoidea). <i>BMC Evolutionary Biology</i> , 2010, 10, 313.	3.2	29
11	Broad application of non-invasive imaging techniques to echinoids and other echinoderm taxa. <i>Zoosymposia</i> , 2012, 7, 53-70.	0.3	26
12	Form and function of the teleost lateral line revealed using three-dimensional imaging and computational fluid dynamics. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160898.	3.4	24
13	Analysis of Freshly Fixed and Museum Invertebrate Specimens Using High-Resolution, High-Throughput MRI. <i>Methods in Molecular Biology</i> , 2011, 771, 633-651.	0.9	22
14	Evolution of a Novel Muscle Design in Sea Urchins (Echinodermata: Echinoidea). <i>PLoS ONE</i> , 2012, 7, e37520.	2.5	22
15	Comparative morphology and phylogenetic significance of Gregory's diverticulum in sand dollars (Echinoidea: Clypeasteroidea). <i>Organisms Diversity and Evolution</i> , 2016, 16, 141-166.	1.6	14
16	Dumbo octopod hatchling provides insight into early cirrate life cycle. <i>Current Biology</i> , 2018, 28, R144-R145.	3.9	13
17	A dataset comprising 141 magnetic resonance imaging scans of 98 extant sea urchin species. <i>GigaScience</i> , 2014, 3, 21.	6.4	12
18	Holistic description of new deep sea megafauna (Cephalopoda: Cirrata) using a minimally invasive approach. <i>BMC Biology</i> , 2021, 19, 81.	3.8	12

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19	Presence of a seawater-filled caecum in <i>Echinocardium cordatum</i> (Echinoidea: Spatangoida). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2012, 92, 379-385.	0.8	10
20	Combined visualization of echinoderm hard and soft parts using contrast-enhanced micro-computed tomography. <i>Zoosymposia</i> , 2019, 15, 172-191.	0.3	10
21	Comprehensive analysis and reinterpretation of Cenozoic mesofossils reveals ancient origin of the snapping claw of alpheid shrimps. <i>Scientific Reports</i> , 2017, 7, 4076.	3.3	9
22	Novel insights into early life stages of finned octopods (Octopoda: Cirrata). <i>Swiss Journal of Palaeontology</i> , 2021, 140, .	1.7	5
23	The Historical and Biographical Context of Gregory's Diverticulum, an Unusual Organ in Sand Dollars. <i>Breviora</i> , 2018, 559, 1-18.	0.5	1