VIRTUAL PALEONTOLOGYAN OVERVIEW

#	Paper	IF	Citations
55	Preface. *The Paleontological Society Papers*, **2016**, 22, vii-viii		
54	APPLICATIONS OF THREE-DIMENSIONAL BOX MODELING TO PALEONTOLOGICAL FUNCTIONAL ANALYSIS. *The Paleontological Society Papers*, **2016**, 22, 119-132		13
53	Computational fluid dynamics as a tool for testing functional and ecological hypotheses in fossil taxa. *Palaeontology*, **2017**, 60, 451-459	2.9	21
52	Digitization of Fossils from the Fezouata Biota (Lower Ordovician, Morocco): Evaluating Computed Tomography and Photogrammetry in Collection Enhancement. *Geoheritage*, **2019**, 11, 1889-1901	2.6	4
51	Brain evolution in Proboscidea (Mammalia, Afrotheria) across the Cenozoic. *Scientific Reports*, **2019**, 9, 9323	4.9	10
50	Protocol for the reconstruction of micromammals from fossils. Two case studies: The skulls of Beremendia fissidens and Dolinasorex glyphodon. *PLoS ONE*, **2019**, 14, e0213174	3.7	1
49	Were You Successful? Evaluation and Metrics. **2019**, 236-248		
48	Introduction: Science, STEM, and Society. **2019**, 1-15		
47	NSF and Broader Impacts. **2019**, 16-28		
46	Innovation, Opportunity, and Integration. **2019**, 29-41		
45	Communication and Dissemination. **2019**, 42-56		
44	Promoting Yourself and Optimizing Impact. **2019**, 57-67		
43	Collaboration, Authorship, and Networks. **2019**, 68-80		
42	Strategic versus Curiosity Science. **2019**, 81-92		
41	Know Your Audience. **2019**, 93-106		
40	Diversity, Equity, and Inclusion. **2019**, 107-120		
39	Mentoring and Role Models. **2019**, 121-135		

28	Technoscientific approaches to deep time. *Studies in History and Philosophy of Science Part A*, **2020**, 79, 57-67	1.1	7
27	Multiscale geometric 3D recording of palaeontological heritage in La Rioja (Spain): regional context, sites, tracks and individual fossils. *Journal of Iberian Geology*, **2020**, 46, 465-474	1.1	0
26	Applications of 3D Paleontological Data at the Florida Museum of Natural History. *Frontiers in Earth Science*, **2020**, 8,	3.5	4
25	Extracting Three-dimensional Information from SEM Images by Means of Photogrammetry. *Micron*, **2020**, 134, 102873	2.3	1
24	Taxonomic identification using virtual palaeontology and geometric morphometrics: a case study of Jurassic nerineoidean gastropods. *Palaeontology*, **2021**, 64, 249-261	2.9	1
23	How to build a dinosaur: Musculoskeletal modeling and simulation of locomotor biomechanics in extinct animals. *Paleobiology*, **2021**, 47, 1-38	2.6	22
22	The use of photogrammetric fossil models in palaeontology education. *Evolution: Education and Outreach*, **2021**, 14, 1	1.6	3
21	Histology and CT reveal the unique evolution and development of multiple tooth rows in the synapsid Endothiodon. *Scientific Reports*, **2021**, 11, 16875	4.9	1

20	Virtual Paleontology: Tomographic Techniques For Studying Fossil Echinoderms. **2021**,		0
19	Broader Impacts of Science on Society. **2019**,		4
18	Three-dimensional segmentation of computed tomography data using : new tools and developments. *Royal Society Open Science*, **2020**, 7, 201033	3.3	4
17	Semantic segmentation of vertebrate microfossils from computed tomography data using a deep learning approach. *Journal of Micropalaeontology*, **2021**, 40, 163-173	2	0
16	Applying Geometric Morphometrics to Digital Reconstruction and Anatomical Investigation. *Advances in Experimental Medicine and Biology*, **2019**, 1171, 55-71	3.6	0
15	Evaluating fidelity of CT based 3D models for Zebrafish conductive hearing system. *Micron*, **2020**, 135, 102874	2.3	0
14	A new tool for 3D segmentation of computed tomography data: Drishti Paint and its applications.		2
13	Synchrotron X-ray imaging reveals the three-dimensional architecture of beetle borings (Dekosichnus meniscatus) in Middle□ate Jurassic araucarian conifer wood from Argentina. *Review of Palaeobotany and Palynology*, **2022**, 297, 104568	1.7	1
12	A proposed standard for quantifying 3-D hindlimb joint poses in living and extinct archosaurs.. *Journal of Anatomy*, **2022**,	2.9	3
11	Reproducible Digital Restoration of Fossils Using Blender. *Frontiers in Earth Science*, **2022**, 10,	3.5	0
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7	A review of Multibody Dynamic versus Finite Element Analyses applied in palaeoanthropology: what can we expect for the study of hominin postcranial remains?. **2022**, 34,		1
6	The efficacy of computed tomography scanning versus surface scanning in 3D finite element analysis. 10, e13760		2
5	Quantitative dual-energy CT as a nondestructive tool to identify indicators for fossilized bone in vertebrate paleontology. **2022**, 12,		1
4	New Opportunities Offered by the ESRF to the Cultural and Natural Heritage Communities. 1-7		0
3	DiceCT for Fishes: Recommendations for pairing iodine contrast agents with □T to visualize soft tissues in fishes.		0

| 2 | High-throughput micro-CT scanning and deep learning segmentation workflow for analyses of shelly invertebrates and their fossils: Examples from marine Bivalvia. 11, | 0 |

| 1 | Back to life: Techniques for developing high-quality 3D reconstructions of plants and animals from digitized specimens. **2023**, 18, e0283027 | 0 |