CONVOLUTIONAL NEURAL NETWORKS AS AN AID TO MICROPALEONTOLOGY: A TEST ON LATE PALEOZOIC

Citation Report

#	ARTICLE	IF	CITATIONS
1	Automatic identification of fossils and abiotic grains during carbonate microfacies analysis using deep convolutional neural networks. Sedimentary Geology, 2020, 410, 105790.	1.0	27
2	Summarized Applications of Machine Learning in Subsurface Geosciences. SpringerBriefs in Petroleum Geoscience & Engineering, 2021, , 123-165.	0.1	1
3	Basic Steps in Machine Learning-Based Modeling. SpringerBriefs in Petroleum Geoscience & Engineering, 2021, , 45-79.	0.1	2
5	Deformation Detection Model of High-Rise Building Foundation Pit Support Structure Based on Neural Network and Wireless Communication. Security and Communication Networks, 2021, 2021, 1-10.	1.0	4
6	Deep Learning Applied to SEM Images for Supporting Marine Coralline Algae Classification. Diversity, 2021, 13, 640.	0.7	8
7	Species-Level Microfossil Prediction for Globotruncana genus Using Machine Learning Models. Arabian Journal for Science and Engineering, 2023, 48, 1315-1332.	1.7	7
8	Deep learning as a tool for ecology and evolution. Methods in Ecology and Evolution, 2022, 13, 1640-1660.	2.2	55
9	Automatic taxonomic identification based on the Fossil Image Dataset (>415,000 images) and deep convolutional neural networks. Paleobiology, 2023, 49, 1-22.	1.3	13
10	Automated detection of microfossil fish teeth from slide images using combined deep learning models. Applied Computing and Geosciences, 2022, 16, 100092.	1.0	5
11	Species-level microfossil identification for globotruncana genus using hybrid deep learning algorithms from the scratch via a low-cost light microscope imaging. Multimedia Tools and Applications, 2023, 82, 13689-13718.	2.6	9
12	Artificial intelligence applied to the classification of eight middle Eocene species of the genus <i>Podocyrtis</i> (polycystine radiolaria). Journal of Micropalaeontology, 2022, 41, 165-182.	1.3	4
13	Recognition of Rare Microfossils Using Transfer Learning and Deep Residual Networks. Biology, 2023, 12, 16.	1.3	3
14	Automatic identification of conodont species using fine-grained convolutional neural networks. Frontiers in Earth Science, 0, 10, .	0.8	1