Aleksei Tiulpin

List of Publications by Year
in descending order

26	1,109	840776 11	794594 19
papers	citations	h-index	g-index

31	31	31	1352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep learningâ€based segmentation of knee MRI for fully automatic subregional morphological assessment of cartilage tissues: Data from the Osteoarthritis Initiative. Journal of Orthopaedic Research, 2022, 40, 1113-1124.	2.3	25
2	Outcome and biomarker supervised deep learning for survival prediction in two multicenter breast cancer series. Journal of Pathology Informatics, 2022, 13, 100171.	1.7	3
3	CLIMAT: Clinically-Inspired Multi-Agent Transformers for Knee Osteoarthritis Trajectory Forecasting. , 2022, , .		6
4	Predicting Knee Osteoarthritis Progression from Structural MRI Using Deep Learning. , 2022, , .		0
5	Deep Semi-Supervised Active Learning for Knee Osteoarthritis Severity Grading. , 2022, , .		3
6	Deep learning identifies morphological features in breast cancer predictive of cancer ERBB2 status and trastuzumab treatment efficacy. Scientific Reports, 2021, 11, 4037.	3.3	43
7	Automated analysis of rabbit knee calcified cartilage morphology using microâ€computed tomography and deep learning. Journal of Anatomy, 2021, 239, 251-263.	1.5	10
8	Critical evaluation of deep neural networks for wrist fracture detection. Scientific Reports, 2021, 11, 6006.	3.3	27
9	Acoustic emissions and kinematic instability of the osteoarthritic knee joint: comparison with radiographic findings. Scientific Reports, 2021, 11, 19558.	3.3	7
10	Detection of experimental cartilage damage with acoustic emissions technique: An in vitro equine study. Equine Veterinary Journal, 2020, 52, 152-157.	1.7	3
11	Automatic Grading of Individual Knee Osteoarthritis Features in Plain Radiographs Using Deep Convolutional Neural Networks. Diagnostics, 2020, 10, 932.	2.6	60
12	Semixup: In- and Out-of-Manifold Regularization for Deep Semi-Supervised Knee Osteoarthritis Severity Grading From Plain Radiographs. IEEE Transactions on Medical Imaging, 2020, 39, 4346-4356.	8.9	24
13	Development of osteoarthritis in patients with degenerative meniscal tears treated with exercise therapy or surgery: a randomized controlled trial. Osteoarthritis and Cartilage, 2020, 28, 897-906.	1.3	21
14	Adaptive segmentation of knee radiographs for selecting the optimal ROI in texture analysis. Osteoarthritis and Cartilage, 2020, 28, 941-952.	1.3	21
15	Bayesian Feature Pyramid Networks for Automatic Multi-label Segmentation of Chest X-rays and Assessment of Cardio-Thoratic Ratio. Lecture Notes in Computer Science, 2020, , 117-130.	1.3	10
16	Deep-Learning for Tidemark Segmentation in Human Osteochondral Tissues Imaged with Micro-computed Tomography. Lecture Notes in Computer Science, 2020, , 131-138.	1.3	4
17	Automating three-dimensional osteoarthritis histopathological grading of human osteochondral tissue using machine learning on contrast-enhanced micro-computed tomography. Osteoarthritis and Cartilage, 2020, 28, 1133-1144.	1.3	11
18	Gray Matter Age Prediction as a Biomarker for Risk of Dementia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21213-21218.	7.1	147

#	Article	IF	Citations
19	DGC-Net: Dense Geometric Correspondence Network. , 2019, , .		61
20	KNEEL: Knee Anatomical Landmark Localization Using Hourglass Networks. , 2019, , .		22
21	Breast Tumor Cellularity Assessment Using Deep Neural Networks. , 2019, , .		5
22	Improving Robustness of Deep Learning Based Knee MRI Segmentation: Mixup and Adversarial Domain Adaptation. , 2019, , .		44
23	Multimodal Machine Learning-based Knee Osteoarthritis Progression Prediction from Plain Radiographs and Clinical Data. Scientific Reports, 2019, 9, 20038.	3.3	145
24	Automatic Knee Osteoarthritis Diagnosis from Plain Radiographs: A Deep Learning-Based Approach. Scientific Reports, 2018, 8, 1727.	3.3	358
25	Evaluation of WAMP protocol in real-time remote ECG monitoring. IFMBE Proceedings, 2018, , 25-28.	0.3	0
26	A Novel Method for Automatic Localization of Joint Area on Knee Plain Radiographs. Lecture Notes in Computer Science, 2017, , 290-301.	1.3	30