Valentin Peretroukhin

List of Publications by Year
in descending order

11	205	1684188	1872680
papers	citations	5	6
		h-index	g-index

11	11	11	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust Data-Driven Zero-Velocity Detection for Foot-Mounted Inertial Navigation. IEEE Sensors Journal, 2020, 20, 957-967.	4.7	51
2	Improving foot-mounted inertial navigation through real-time motion classification. , 2017, , .		44
3	DPC-Net: Deep Pose Correction for Visual Localization. IEEE Robotics and Automation Letters, 2018, 3, 2424-2431.	5.1	31
4	Certifiably Globally Optimal Extrinsic Calibration From Per-Sensor Egomotion. IEEE Robotics and Automation Letters, 2019, 4, 367-374.	5.1	18
5	Reducing drift in visual odometry by inferring sun direction using a Bayesian Convolutional Neural Network. , 2017, , .		16
6	PROBE-GK: Predictive robust estimation using generalized kernels. , 2016, , .		13
7	Self-Supervised Deep Pose Corrections for Robust Visual Odometry. , 2020, , .		11
8	Convex Iteration for Distance-Geometric Inverse Kinematics. IEEE Robotics and Automation Letters, 2022, 7, 1952-1959.	5.1	8
9	On the Coupling of Depth and Egomotion Networks for Self-Supervised Structure from Motion. IEEE Robotics and Automation Letters, 2022, 7, 6766-6773.	5.1	7
10	Inferring sun direction to improve visual odometry: A deep learning approach. International Journal of Robotics Research, 2018, 37, 996-1016.	8.5	5
11	Toward Robust and Efficient Online Adaptation for Deep Stereo Depth Estimation. , 2021, , .		1