

# Torleiv H Bryne

## List of Publications by Year in descending order

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20  
papers

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1040056

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20  
docs citations

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times ranked

194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the Speed of a Wave-Propelled Autonomous Surface Vehicle Using Metocean Forecasts. , 2022, , .		0
2	On the Usage of Low-Cost MEMS Sensors, Strapdown Inertial Navigation, and Nonlinear Estimation Techniques in Dynamic Positioning. IEEE Journal of Oceanic Engineering, 2021, 46, 24-39.	3.8	23
3	Unmanned aircraft flight control aided by phased-array radio navigation. Journal of Field Robotics, 2021, 38, 532-551.	6.0	3
4	Compressed pseudo-SLAM: pseudorange-integrated compressed simultaneous localisation and mapping for unmanned aerial vehicle navigation. Journal of Navigation, 2021, 74, 1091-1103.	1.7	6
5	Camera-Based Tracking of Floating Objects using Fixed-wing UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	6
6	Underwater Position and Attitude Estimation Using Acoustic, Inertial, and Depth Measurements. IEEE Journal of Oceanic Engineering, 2020, 45, 1450-1465.	3.8	13
7	Pose Estimation of UAVs Based on INS Aided by Two Independent Low-Cost GNSS Receivers. , 2019, , .		3
8	Redundant MEMS-Based Inertial Navigation Using Nonlinear Observers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	22
9	A virtual vertical reference concept for aided inertial navigation at the sea surface. Control Engineering Practice, 2018, 70, 1-14.	5.5	12
10	Robust and Secure UAV Navigation Using GNSS, Phased-Array Radio System and Inertial Sensor Fusion. , 2018, , .		5
11	Phased array radio system aided inertial navigation for unmanned aerial vehicles. , 2018, , .		9
12	Aided inertial navigation of small unmanned aerial vehicles using an ultra-wideband real time localization system. , 2018, , .		6
13	Design of inertial navigation systems for marine craft with adaptive wave filtering aided by triple-redundant sensor packages. International Journal of Adaptive Control and Signal Processing, 2017, 31, 522-544.	4.1	13
14	Nonlinear Observers for Integrated INS/GNSS Navigation: Implementation Aspects. IEEE Control Systems, 2017, 37, 59-86.	0.8	44
15	Inertial Sensors for Risk-Based Redundancy in Dynamic Positioning. , 2017, , .		2
16	Attitude and Heave Estimation for Ships using MEMS-based Inertial Measurements. IFAC-PapersOnLine, 2016, 49, 568-575.	0.9	15
17	MEMS-based Inertial Navigation on Dynamically Positioned Ships: Dead Reckoning. IFAC-PapersOnLine, 2016, 49, 139-146.	0.9	13
18	Fault detection in lever-arm-compensated position reference systems based on nonlinear attitude observers and inertial measurements in dynamic positioning. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
19	A Virtual Vertical Reference Concept for GNSS/INS Applications at the Sea Surface. IFAC-PapersOnLine, 2015, 48, 127-133.	0.9	11
20	Nonlinear observer with time-varying gains for inertial navigation aided by satellite reference systems in dynamic positioning. , 2014, , .		17