

Soulaimane Berkane

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nonlinear Observers Design for Vision-Aided Inertial Navigation Systems. IEEE Transactions on Automatic Control, 2022, 67, 1853-1868.	5.7	3
2	Obstacle Avoidance via Hybrid Feedback. IEEE Transactions on Automatic Control, 2022, 67, 512-519.	5.7	5
3	Constrained stabilization on the n -sphere. Automatica, 2021, 125, 109416.	5.0	6
4	A nonlinear navigation observer using IMU and generic position information. Automatica, 2021, 127, 109513.	5.0	9
5	Constrained attitude maneuvers on S^3 Rotation space sampling, planning and low-level control. Automatica, 2020, 112, 108659.	5.0	16
6	Low-complexity disordered speech quality estimation. International Journal of Speech Technology, 2020, 23, 585-594.	2.2	1
7	Position, Velocity, Attitude and Gyro-Bias Estimation from IMU and Position Information. , 2019, , .		7
8	Attitude estimation with intermittent measurements. Automatica, 2019, 105, 415-421.	5.0	13
9	A Hybrid Controller for Obstacle Avoidance in an n -dimensional Euclidean Space. , 2019, , .		6
10	Hybrid Output Feedback for Attitude Tracking on $SO(3)$. IEEE Transactions on Automatic Control, 2018, 63, 3956-3963.	5.7	32
11	On the Design of Attitude Complementary Filters on $SO(3)$. IEEE Transactions on Automatic Control, 2018, 63, 880-887.	5.7	19
12	Construction of Synergistic Potential Functions on $SO(3)$ With Application to Velocity-Free Hybrid Attitude Stabilization. IEEE Transactions on Automatic Control, 2017, 62, 495-501.	5.7	50
13	Hybrid global exponential stabilization on S^3 . Automatica, 2017, 81, 279-285.	5.0	47
14	Hybrid Attitude and Gyro-Bias Observer Design on $SO(3)$. IEEE Transactions on Automatic Control, 2017, 62, 6044-6050.	5.7	36
15	Attitude and gyro bias estimation using GPS and IMU measurements. , 2017, , .		12
16	A globally exponentially stable hybrid attitude and gyro-bias observer. , 2016, , .		6
17	On deterministic attitude observers on the Special Orthogonal group $SO(3)$. , 2016, , .		4
18	Global exponential angular velocity observer for rigid body systems. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
19	Velocity-free hybrid attitude stabilization using inertial vector measurements. , 2016, , .		1
20	Global hybrid attitude estimation on the Special Orthogonal group $SO(3)$. , 2016, , .		6
21	Some Optimization Aspects on the Lie Group $SO(3)$. IFAC-PapersOnLine, 2015, 48, 1117-1121.	0.9	6
22	On the design of synergistic potential functions on $SO(3)$. , 2015, , .		6