

# Soulaimane Berkane

## List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Hybrid global exponential stabilization on $SO(3)$ . Automatica, 2017, 81, 279-285.	5.0	47
3	Hybrid Attitude and Gyro-Bias Observer Design on $SO(3)$ . IEEE Transactions on Automatic Control, 2017, 62, 6044-6050.	5.7	36
4	Hybrid Output Feedback for Attitude Tracking on $SO(3)$ . IEEE Transactions on Automatic Control, 2018, 63, 3956-3963.	5.7	32
5	On the Design of Attitude Complementary Filters on $SO(3)$ . IEEE Transactions on Automatic Control, 2018, 63, 880-887.	5.7	19
6	Constrained attitude maneuvers on $SO(3)$ . Rotation space sampling, planning and low-level control. Automatica, 2020, 112, 108659.	5.0	16
7	Attitude estimation with intermittent measurements. Automatica, 2019, 105, 415-421.	5.0	13
8	Attitude and gyro bias estimation using GPS and IMU measurements. , 2017, , .		12
9	A nonlinear navigation observer using IMU and generic position information. Automatica, 2021, 127, 109513.	5.0	9
10	Global exponential angular velocity observer for rigid body systems. , 2016, , .		8
11	Position, Velocity, Attitude and Gyro-Bias Estimation from IMU and Position Information. , 2019, , .		7
12	Some Optimization Aspects on the Lie Group $SO(3)$ . IFAC-PapersOnLine, 2015, 48, 1117-1121.	0.9	6
13	On the design of synergistic potential functions on $SO(3)$ . , 2015, , .		6
14	A globally exponentially stable hybrid attitude and gyro-bias observer. , 2016, , .		6
15	Global hybrid attitude estimation on the Special Orthogonal group $SO(3)$ . , 2016, , .		6
16	A Hybrid Controller for Obstacle Avoidance in an $n$ -dimensional Euclidean Space. , 2019, , .		6
17	Constrained stabilization on the $n$ -sphere. Automatica, 2021, 125, 109416.	5.0	6
18	Obstacle Avoidance via Hybrid Feedback. IEEE Transactions on Automatic Control, 2022, 67, 512-519.	5.7	5

#	ARTICLE	IF	CITATIONS
19	On deterministic attitude observers on the Special Orthogonal group $SO(3)$ . , 2016, , .		4
20	Nonlinear Observers Design for Vision-Aided Inertial Navigation Systems. IEEE Transactions on Automatic Control, 2022, 67, 1853-1868.	5.7	3
21	Velocity-free hybrid attitude stabilization using inertial vector measurements. , 2016, , .		1
22	Low-complexity disordered speech quality estimation. International Journal of Speech Technology, 2020, 23, 585-594.	2.2	1