Xiaocen Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3490522/publications.pdf

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		1478505	1474206
10	153	6	9
papers	citations	h-index	g-index

10	10	10	96
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Attitude-Rate Measurement and Control Integration Using Magnetically Suspended Control and Sensitive Gyroscopes. IEEE Transactions on Industrial Electronics, 2018, 65, 4921-4932.	7.9	59
2	Spacecraft Angular Rates and Angular Acceleration Estimation Using Single-Gimbal Magnetically Suspended Control Moment Gyros. IEEE Transactions on Industrial Electronics, 2019, 66, 440-450.	7.9	34
3	Spacecraft Vibration Control Based on Extended Modal Decoupling of Vernier-Gimballing Magnetically Suspension Flywheels. IEEE Transactions on Industrial Electronics, 2020, 67, 4066-4076.	7.9	21
4	Precise control of a magnetically suspended double-gimbal control moment gyroscope using differential geometry decoupling method. Chinese Journal of Aeronautics, 2013, 26, 1017-1028.	5.3	12
5	Spacecraft vibration suppression based on micro-gimbal moment of magnetically suspended flywheel with dynamic feedback and feedforward decoupling control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3881-3896.	2.1	9
6	Spacecraft attitude control and vibration suppression integration based on single gimbal magnetically suspended control moment gyroscope pyramid configuration. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 2673-2684.	2.1	8
7	Adaptive robust sliding mode simultaneous control of spacecraft attitude and micro-vibration based on magnetically suspended control and sensitive gyro. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 2197-2210.	1.3	5
8	Integrated control of attitude maneuver and vibration suppression of flexible spacecraft based on magnetically suspended control moment gyros. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 1117-1132.	2.1	2
9	Optimal design and experiment study of the double spherical rotor of the MSCSG. Science Progress, 2021, 104, 003685042199848.	1.9	2
10	Spacecraft attitude control and vibration suppression using magnetically suspended control & sensitive gyroscope and radial basis function network adaptive sliding mode control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622210851.	2.1	1