

Qiang Liu

List of Publications by Year in descending order

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12
papers

127
citations

1684188

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1372567

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12
all docs

12
docs citations

12
times ranked

113
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	Multiphysics Global Design and Experiment of the Electric Machine With a Flexible Rotor Supported by Active Magnetic Bearing. IEEE/ASME Transactions on Mechatronics, 2019, 24, 820-831.	5.8	27
3	Novel electromagnetic repeated launch locking/unlocking device (RLLUD) based on self-locking for magnetic bearing flywheel. Sensors and Actuators A: Physical, 2012, 175, 116-126.	4.1	12
4	The Study of Switched Reluctance Motor for 4-DOF Bearingless Motor. Journal of Electrical Engineering and Technology, 2019, 14, 179-189.	2.0	10
5	Novel Lorentz Force-Type Magnetic Bearing With Flux Congregating Rings for Magnetically Suspended Gyrowheel. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	9
6	Analysis and Experiment of 5-DOF Decoupled Spherical Vernier-Gimballing Magnetically Suspended Flywheel (VGMSFW). IEEE Access, 2020, 8, 111707-111717.	4.2	4
7	Application of a New Lorentz Force-type Tilting Control Magnetic Bearing in a Magnetically Suspended Control Sensitive Gyroscope with Cross-Sliding Mode Control. Transactions of the Japan Society for Aeronautical and Space Sciences, 2018, 61, 40-47.	0.7	2
8	Optimal design and experiment study of the double spherical rotor of the MSCSG. Science Progress, 2021, 104, 003685042199848.	1.9	2
9	Improved design of Lorentz force-type magnetic bearings for magnetically suspended gimballing flywheels. Journal of Power Electronics, 2021, 21, 603-615.	1.5	1
10	Magnetic Circuit Design and Experiment of Novel Lorentz Magnetic Bearing with Double Air Gap. Energies, 2022, 15, 4830.	3.1	1
11	Vibration Feedforward Compensation for Magnetically Suspended Control and Sensitive Gyroscope with Spherical Rotor. Shock and Vibration, 2020, 2020, 1-10.	0.6	0
12	Design and analysis of Lorentz magnetic bearing for magnetic suspended control and sensing gyroscope. Electronics Letters, 2021, 57, 882.	1.0	0