

Krishna Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

250
citations

1478505

6
h-index

1474206

9
g-index

16
all docs

16
docs citations

16
times ranked

208
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Particle Swarm Optimization Applied to Spacecraft Reentry Trajectory. Journal of Guidance, Control, and Dynamics, 2013, 36, 307-310. | 2.8 | 76 |
| 2 | Fault estimation of satellite reaction wheels using covariance based adaptive unscented Kalman filter. Acta Astronautica, 2017, 134, 159-169. | 3.2 | 71 |
| 3 | Fault detection and isolation of control moment gyros for satellite attitude control subsystem. Mechanical Systems and Signal Processing, 2020, 135, 106419. | 8.0 | 33 |
| 4 | Enhanced adaptive unscented Kalman filter for reaction wheels. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1568-1575. | 4.7 | 18 |
| 5 | Coulomb tether double-pyramid formation, a potential configuration for geostationary satellite collocation. Aerospace Science and Technology, 2019, 84, 1131-1140. | 4.8 | 16 |
| 6 | Fault isolation of reaction wheels onboard three-axis controlled in-orbit satellite using ensemble machine learning. Aerospace Systems, 2020, 3, 119-126. | 1.4 | 9 |
| 7 | Data-Driven Fault Diagnosis for Satellite Control Moment Gyro Assembly with Multiple In-Phase Faults. Electronics (Switzerland), 2021, 10, 1537. | 3.1 | 7 |
| 8 | Fault Diagnosis of Control Moment Gyroscope Using Optimized Support Vector Machine. , 2020, , . | | 5 |
| 9 | Fault Diagnosis and Prognosis for Satellite Formation Flying: A Survey. IEEE Access, 2022, 10, 26426-26442. | 4.2 | 5 |
| 10 | Deep Learning Transforming the Manufacturing Industry: A Case Study. , 2021, , . | | 3 |
| 11 | Formation control of spacecraft flying with network-induced delays and packet dropouts. , 2010, , . | | 2 |
| 12 | An Optimized Support Vector Regression for Identification of In-phase Faults in Control Moment Gyroscope Assembly. , 2021, , . | | 2 |
| 13 | Precise power descent control of a lunar lander using a single thruster. Acta Astronautica, 2021, 186, 473-485. | 3.2 | 2 |
| 14 | Fault-tolerant Consensus Control for Hybrid Multi-agent Systems. , 2022, , . | | 1 |
| 15 | Reinforcement learning-based optimal fault-tolerant control for offshore platforms. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 1187-1196. | 1.0 | 0 |
| 16 | Investigating the Effect of Event-triggered Control and Nonlinear Actuator Dynamics on Spacecraft Attitude Stabilization. , 2022, , . | | 0 |