

George K Furlas

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

208
citations

2258059

3
h-index

1872680

6
g-index

23
all docs

23
docs citations

23
times ranked

153
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Survey on Fault Diagnosis and Fault-Tolerant Control Methods for Unmanned Aerial Vehicles. Machines, 2021, 9, 197. | 2.2 | 49 |
| 2 | An overview of body sensor networks in enabling pervasive healthcare and assistive environments. , 2010, , . | | 35 |
| 3 | Model Predictive Fault Tolerant Control for Omni-directional Mobile Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 97, 635-655. | 3.4 | 25 |
| 4 | Fault tolerant control for omni-directional mobile platforms with 4 mecanum wheels. , 2016, , . | | 20 |
| 5 | Model based actuator fault diagnosis for a mobile robot. , 2014, , . | | 16 |
| 6 | Sensors fault diagnosis in autonomous mobile robots using observer — Based technique. , 2015, , . | | 14 |
| 7 | Target Tracking with Multi-rotor Aerial Vehicles based on a Robust Visual Servo Controller with Prescribed Performance. , 2020, , . | | 10 |
| 8 | Mission reliability estimation of mobile robot system. International Journal of Systems Assurance Engineering and Management, 2016, 7, 220-228. | 2.4 | 7 |
| 9 | Fault detection approach for a 4 - wheel skid steering mobile robot. , 2013, , . | | 5 |
| 10 | Multiple faults diagnosability of Hybrid Systems. , 2009, , . | | 4 |
| 11 | Formation Control and Target Interception for Multiple Multi-rotor Aerial Vehicles. , 2020, , . | | 4 |
| 12 | Threshold selection in diagnosis approach applied to power systems. , 2007, , . | | 3 |
| 13 | Theoretical approach of model based fault diagnosis for a 4-wheel skid steering mobile robot. , 2013, , . | | 3 |
| 14 | Human movement detection using attitude and heading reference system. , 2014, , . | | 2 |
| 15 | An approach towards fault tolerant of model-based hybrid control systems. International Journal of Applied Systemic Studies, 2014, 5, 199. | 0.1 | 2 |
| 16 | Maintainability analysis of mobile robot. , 2015, , . | | 2 |
| 17 | A Mixed-Initiative Formation Control Strategy for Multiple Quadrotors. Robotics, 2021, 10, 116. | 3.5 | 2 |
| 18 | Detection of Flight Plan Divergence in the Horizontal Plane. , 2006, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | An approach towards fault tolerant hybrid control systems. , 2007, , . | | 1 |
| 20 | A theoretical multiple faults diagnosis approach of hybrid systems applied to a two tank system. , 2009, , . | | 1 |
| 21 | Contribution to the Fault Tolerance for Hybrid Control Systems with Multiple Faults. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 235-240. | 0.4 | 1 |
| 22 | On the application of structural analysis to fault diagnosis of a mobile robot. , 2014, , . | | 1 |
| 23 | Detection of aircraft divergence from its flight plan in the vertical plane. , 2007, , . | | 0 |