

Domenico Guida

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

869
citations

331670

21
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Obstacle Avoidance System for Unmanned Ground Vehicles by Using Ultrasonic Sensors. <i>Machines</i> , 2018, 6, 18.	2.2	83
2	Unmanned Ground Vehicle Modelling in Gazebo/ROS-Based Environments. <i>Machines</i> , 2019, 7, 42.	2.2	69
3	Modal Coupling in Presence of Dry Friction. <i>Machines</i> , 2018, 6, 8.	2.2	52
4	Adjoint-Based Optimization Procedure for Active Vibration Control of Nonlinear Mechanical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017, 139, .	1.6	36
5	On the Lagrange multipliers of the intrinsic constraint equations of rigid multibody mechanical systems. <i>Archive of Applied Mechanics</i> , 2018, 88, 419-451.	2.2	34
6	A Parametric Study of a Deep Reinforcement Learning Control System Applied to the Swing-Up Problem of the Cart-Pole. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9013.	2.5	32
7	Influence of the variation between static and kinetic friction on stick-slip instability. <i>Wear</i> , 1993, 161, 121-126.	3.1	31
8	Control of nonlinear vibrations using the adjoint method. <i>Meccanica</i> , 2017, 52, 2503-2526.	2.0	31
9	System Identification Algorithm for Computing the Modal Parameters of Linear Mechanical Systems. <i>Machines</i> , 2018, 6, 12.	2.2	31
10	DESIGN OPTIMIZATION OF THE PLOUGH WORKING SURFACE BY COMPUTERIZED MATHEMATICAL MODEL. <i>Emirates Journal of Food and Agriculture</i> , 2017, 29, 36.	1.0	31
11	Use of the Adjoint Method for Controlling the Mechanical Vibrations of Nonlinear Systems. <i>Machines</i> , 2018, 6, 19.	2.2	30
12	Forward and inverse dynamics of nonholonomic mechanical systems. <i>Meccanica</i> , 2014, 49, 1547-1559.	2.0	29
13	On the use of two-dimensional Euler parameters for the dynamic simulation of planar rigid multibody systems. <i>Archive of Applied Mechanics</i> , 2017, 87, 1647-1665.	2.2	29
14	A comparative study of the principal methods for the analytical formulation and the numerical solution of the equations of motion of rigid multibody systems. <i>Archive of Applied Mechanics</i> , 2018, 88, 2153-2177.	2.2	28
15	A time-domain system identification numerical procedure for obtaining linear dynamical models of multibody mechanical systems. <i>Archive of Applied Mechanics</i> , 2018, 88, 1325-1347.	2.2	27
16	Multibody modeling and nonlinear control of the pantograph/catenary system. <i>Archive of Applied Mechanics</i> , 2019, 89, 1589-1626.	2.2	27
17	TLD Design and Development for Vibration Mitigation in Structures. <i>Lecture Notes in Networks and Systems</i> , 2020, , 59-72.	0.7	26
18	On the dynamics and control of underactuated nonholonomic mechanical systems and applications to mobile robots. <i>Archive of Applied Mechanics</i> , 2019, 89, 669-698.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Stability analysis of rigid multibody mechanical systems with holonomic and nonholonomic constraints. <i>Archive of Applied Mechanics</i> , 2020, 90, 1961-2005.	2.2	24
20	Experimental Investigation on Structural Vibrations by a New Shaking Table. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 819-831.	0.4	24
21	A Multibody System Approach for the Systematic Development of a Closed-Chain Kinematic Model for Two-Wheeled Vehicles. <i>Machines</i> , 2021, 9, 245.	2.2	22
22	Design of Delivery Valve for Hydraulic Pumps. <i>Machines</i> , 2018, 6, 44.	2.2	21
23	On the Computational Methods for Solving the Differential-Algebraic Equations of Motion of Multibody Systems. <i>Machines</i> , 2018, 6, 20.	2.2	21
24	Forward and Inverse Dynamics of a Unicycle-Like Mobile Robot. <i>Machines</i> , 2019, 7, 5.	2.2	19
25	Multibody Model of a UAV in Presence of Wind Fields. , 2017, , .		18
26	Stick-slip instability analysis. <i>Meccanica</i> , 1992, 27, 111-118.	2.0	16
27	IoT System for Structural Monitoring. <i>Lecture Notes in Networks and Systems</i> , 2022, , 599-606.	0.7	12
28	Analysis of the Sustainable Use of Geothermal Waters and Future Development Possibilitiesâ€™A Case Study from the Opole Region, Poland. <i>Sustainability</i> , 2019, 11, 6730.	3.2	11
29	DRY FRICTION INFLUENCE ON STRUCTURE DYNAMICS. , 2015, , .		11
30	Polyalkylene Glycol Based Lubricants and Tribological Behaviour: Role of Ionic Liquids and Graphene Oxide as Additives. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 913-924.	0.9	7
31	Experimental Identification and Control of a Frame Structure Using an Actively Controlled Inertial-Based Vibration Absorber. , 2017, , .		3
32	On the Use of the Udwadia-Kalaba Equations for the Nonlinear Control of a Generalized Van Der Pol-Duffing Oscillator. <i>Lecture Notes in Networks and Systems</i> , 2020, , 82-95.	0.7	3
33	A Model Validating Technique for the Kinematic Study of Two-Wheeled Vehicles. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 549-558.	0.4	2
34	Dynamic Analysis and Attitude Control of a Minisatellite. <i>Lecture Notes in Networks and Systems</i> , 2022, , 244-251.	0.7	2
35	A Reinforcement Learning Controller for the Swing-Up of the Furuta Pendulum. <i>Lecture Notes in Networks and Systems</i> , 2020, , 31-38.	0.7	1
36	An Inverse Dynamics Approach Based on the Fundamental Equations of Constrained Motion and on the Theory of Optimal Control. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 336-352.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Object Recognition Using Neural Networks for Robotics Precision Application. Lecture Notes in Mechanical Engineering, 2020, , 108-117.	0.4	0
38	A General Method for Performing an Integrated CAD-MBD-FEM Analysis. Lecture Notes in Mechanical Engineering, 2020, , 264-272.	0.4	0
39	Redesign of an Aircraft Cargo Door by Using a CAD-MBD-FEM Integration Method. Lecture Notes in Mechanical Engineering, 2020, , 53-62.	0.4	0