

# Ayman A Nada

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

124  
citations

1683354

5  
h-index

1372195

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

73  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review study of using Euler angles and Euler parameters in multibody modeling of spatial holonomic and non-holonomic systems. International Journal of Dynamics and Control, 2022, 10, 1707-1725.	1.5	6
2	Simplified Procedure of Sensitivity-Based Parameter Estimation of Multibody Systems with Experimental Validation. IFAC-PapersOnLine, 2021, 54, 84-89.	0.5	2
3	Development of Dynamics for Design Procedure of Novel Grating Tiling Device with Experimental Validation. Applied Sciences (Switzerland), 2021, 11, 11716.	1.3	2
4	Floating Frame of Reference formulation for modeling flexible multi-body systems in premise operational conditions. JVC/Journal of Vibration and Control, 2019, 25, 2706-2720.	1.5	3
5	Use of mixed coordinates in modeling wind turbines including tubular tower. Mechanical Sciences, 2019, 10, 35-46.	0.5	2
6	Integration of Multibody System Dynamics With Sliding Mode Control Using FPGA Technique for Trajectory Tracking Problems. , 2018, , .		2
7	Effectiveness of Using Mixed Coordinates in Modeling Wind Turbines. , 2018, , .		0
8	Dynamic modelling and experimental validation of small-size wind turbine using flexible multibody approach. International Journal of Dynamics and Control, 2017, 5, 721-732.	1.5	6
9	Shape Optimization of Low Speed Wind Turbine Blades using Flexible Multibody Approach. Energy Procedia, 2017, 134, 577-587.	1.8	16
10	Selective Generalized Coordinates Partitioning Method for Multibody Systems With Non-Holonomic Constraints. , 2017, , .		5
11	Computational Design Scheme for Wind Turbine Drive-Train Based on Lagrange Multipliers. Journal of Energy, 2017, 2017, 1-16.	1.4	6
12	Development and Validation of Multibody Model of Wind Energy System. , 2015, , .		0
13	Exact linearization by feedback of state dependent parameter models applied to a mechatronics demonstrator. , 2014, , .		0
14	Use of B-spline surface to model large-deformation continuum plates: procedure and applications. Nonlinear Dynamics, 2013, 72, 243-263.	2.7	20
15	A Continuum Based Three-Dimensional Modeling of Wind Turbine Blades. Journal of Computational and Nonlinear Dynamics, 2013, 8, .	0.7	18
16	Use of Forward Dynamics Model for Designing Large-Size Wind Turbine Blades. , 2013, , .		0
17	Modeling Slope Discontinuity of Large Size Wind-Turbine Blade Using Absolute Nodal Coordinate Formulation. , 2012, , .		7
18	Absolute nodal coordinate formulation of large-deformation piezoelectric laminated plates. Nonlinear Dynamics, 2012, 67, 2441-2454.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Floating Frame of Reference and Absolute Nodal Coordinate Formulations in the Large Deformation Analysis of Robotic Manipulators: A Comparative Experimental and Numerical Study. , 2009, , .		6
20	Multibody system design based on reference dynamic characteristics: gyroscopic system paradigm. Mechanics Based Design of Structures and Machines, 0, , 1-23.	3.4	3