

# Juan Carlos Garcia Orden

## List of Publications by Year in descending order

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23  
papers

305  
citations

840776

11  
h-index

888059

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	A conserving formulation of a simple shear- and torsion-free beam for multibody applications. <i>Multibody System Dynamics</i> , 2021, 51, 21-43.	2.7	2
2	Energy and symmetry-preserving formulation of nonlinear constraints and potential forces in multibody dynamics. <i>Nonlinear Dynamics</i> , 2019, 95, 823-837.	5.2	7
3	On Energy-Entropy-Momentum integration methods for discrete thermo-visco-elastodynamics. <i>Computers and Structures</i> , 2017, 181, 3-20.	4.4	8
4	Energy-consistent simulation of frictional contact in rigid multibody systems using implicit surfaces and penalty method. <i>Multibody System Dynamics</i> , 2017, 41, 275-295.	2.7	11
5	Energy-entropy-momentum integration schemes for general discrete non-smooth dissipative problems in thermomechanics. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 112, 776-802.	2.8	17
6	A Simple Shear and Torsion-Free Beam Model for Multibody Dynamics. <i>Journal of Computational and Nonlinear Dynamics</i> , 2017, 12, .	1.2	0
7	A temperature-based thermodynamically consistent integration scheme for discrete thermo-elastodynamics. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 32, 63-80.	3.3	12
8	An energy-consistent integration scheme for flexible multibody systems with dissipation. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2016, 230, 268-280.	0.8	0
9	Energy-consistent time integration for nonlinear viscoelasticity. <i>Computational Mechanics</i> , 2014, 54, 473-488.	4.0	11
10	Application of Galerkin meshfree methods to nonlinear thermo-mechanical simulation of solids under extremely high pulsed loading. <i>Fusion Engineering and Design</i> , 2013, 88, 2744-2747.	1.9	2
11	Controllable velocity projection for constraint stabilization in multibody dynamics. <i>Nonlinear Dynamics</i> , 2012, 68, 245-257.	5.2	14
12	Energy-Entropy-Momentum integration of discrete thermo-visco-elastic dynamics. <i>European Journal of Mechanics, A/Solids</i> , 2012, 32, 76-87.	3.7	18
13	Galerkin meshfree methods applied to the nonlinear dynamics of flexible multibody systems. <i>Multibody System Dynamics</i> , 2011, 25, 203-224.	2.7	7
14	Energy Considerations for the Stabilization of Constrained Mechanical Systems with Velocity Projection. <i>Computational Methods in Applied Sciences (Springer)</i> , 2011, , 153-171.	0.3	2
15	Energy considerations for the stabilization of constrained mechanical systems with velocity projection. <i>Nonlinear Dynamics</i> , 2010, 60, 49-62.	5.2	20
16	On the Stabilizing Properties of Energy-Momentum Integrators and Coordinate Projections for Constrained Mechanical Systems. , 2007, , 49-67.		11
17	Application Criteria for Conserving Integrators and Projection Methods in Multibody Dynamics. , 2007, , .		0
18	A conservative augmented Lagrangian algorithm for the dynamics of constrained mechanical systems. , 2006, , 619-619.		0

#	ARTICLE	IF	CITATIONS
19	A Conservative Augmented Lagrangian Algorithm for the Dynamics of Constrained Mechanical Systems. <i>Mechanics Based Design of Structures and Machines</i> , 2006, 34, 449-468.	4.7	13
20	Analysis of Joint Clearances in Multibody Systems. <i>Multibody System Dynamics</i> , 2005, 13, 401-420.	2.7	62
21	Title is missing!. <i>Multibody System Dynamics</i> , 2002, 7, 3-29.	2.7	17
22	Dynamic analysis of rigid and deformable multibody systems with penalty methods and energy-momentum schemes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000, 188, 789-804.	6.6	40
23	Conserving Properties in Constrained Dynamics of Flexible Multibody Systems. <i>Multibody System Dynamics</i> , 2000, 4, 225-244.	2.7	31