

# Radek BuĀ-n

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4037659/publications.pdf>

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12  
papers

87  
citations

1936888  
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1719596  
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g-index

12  
all docs

12  
docs citations

12  
times ranked

40  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear dynamics of a cableâ€“pulley system using the absolute nodal coordinate formulation. Mechanics Research Communications, 2017, 82, 21-28.	1.0	48
2	Efficient computational approaches for analysis of thin and flexible multibody structures. Nonlinear Dynamics, 2021, 103, 2475-2492.	2.7	13
3	Nonlinear dynamics of flexible slender structures moving in a limited space with application in nuclear reactors. Nonlinear Dynamics, 2021, 104, 3561-3579.	2.7	11
4	On the Modelling of Contact Forces in the Framework of Rigid Body Dynamics. Manufacturing Technology, 2014, 14, 136-141.	0.2	8
5	Complex Modelling and Dynamical Analysis of Parallel Cable Mechanisms. Mechanisms and Machine Science, 2018, , 193-202.	0.3	2
6	Comparison of Detailed Belt - Cylinder Interaction Model with Classical Belt Friction Formula. Strojnický Casopis, 2019, 69, 9-16.	0.3	2
7	MODELLING OF DYNAMIC BEHAVIOUR OF FIBRES AND CABLES. , 2020, , .		2
8	Approaches to Fibre Modelling in the Model of an Experimental Laboratory Mechanical System. Computational Methods in Applied Sciences (Springer), 2020, , 231-238.	0.1	1
9	Nonlinear Dynamics of the Car Driving System with a Sequential Manual Transmission. Springer Proceedings in Mathematics and Statistics, 2016, , 49-58.	0.1	0
10	Various Strategies of Elastic Forces Evaluation in the Absolute Nodal Coordinate Formulation. Mechanisms and Machine Science, 2017, , 179-184.	0.3	0
11	Application of Multibody Dynamics in the Modelling of a Limited-Slip Differential. Computational Methods in Applied Sciences (Springer), 2020, , 454-462.	0.1	0
12	On the Numerical Treatment of Nonlinear Flexible Multibody Systems with the Use of Quasi-Newton Methods. Computational Methods in Applied Sciences (Springer), 2020, , 332-339.	0.1	0