

He Bin

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete Time Transfer Matrix Method for Multibody System Dynamics. <i>Multibody System Dynamics</i> , 2005, 14, 317-344.	2.7	90
2	Riccati discrete time transfer matrix method for elastic beam undergoing large overall motion. <i>Multibody System Dynamics</i> , 2007, 18, 579-598.	2.7	44
3	Multibody system transfer matrix method: The past, the present, and the future. <i>International Journal of Mechanical System Dynamics</i> , 2022, 2, 3-26.	2.8	32
4	Discrete time transfer matrix method for dynamics analysis of complex weapon systems. <i>Science China Technological Sciences</i> , 2011, 54, 1061-1071.	4.0	17
5	Discrete time transfer matrix method for dynamics of multibody system with flexible beams moving in space. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012, 28, 490-504.	3.4	17
6	A new version of the Riccati transfer matrix method for multibody systems consisting of chain and branch bodies. <i>Multibody System Dynamics</i> , 2020, 49, 337-354.	2.7	15
7	Buckling analysis of thin-walled members with open-branched cross section via semi-analytical finite strip transfer matrix method. <i>Thin-Walled Structures</i> , 2018, 124, 20-31.	5.3	12
8	Transfer Matrix Method for Natural Vibration Analysis of Tree System. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-19.	1.1	11
9	Semi-Analytical Finite Strip Transfer Matrix Method for Buckling Analysis of Rectangular Thin Plates. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-11.	1.1	8
10	Virtual design software for mechanical system dynamics using transfer matrix method of multibody system and its application. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401560157.	1.6	7
11	Buckling analysis of thin-walled members via semi-analytical finite strip transfer matrix method. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401665034.	1.6	5
12	Differential quadrature discrete time transfer matrix method for vibration mechanics. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401984998.	1.6	3
13	A high order finite strip transfer matrix method for buckling analysis of single-branched cross-section thin-walled members. <i>Thin-Walled Structures</i> , 2019, 135, 1-11.	5.3	3
14	A numerical study on ion concentration polarization and electric circuit performance of an electrokinetic battery. <i>Electrophoresis</i> , 2020, 41, 811-820.	2.4	3
15	An efficient finite strip procedure for initial post-buckling analysis of thin-walled members. <i>Archive of Applied Mechanics</i> , 2020, 90, 585-601.	2.2	2
16	Fractal growth kinematics abstracted from snowflakes: topological evolution. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 243-264.	3.6	1
17	Finite strip-Riccati transfer matrix method for buckling analysis of tree-branched cross-section thin-walled members. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781322210827.	1.6	1
18	The effect of wind shear and pitch control delaying on wind turbine blade loading. , 2011, , .		0