Dewey H Hodges

List of Publications by Year
in descending order

35	1,703	516561	454834
papers	**citations**	16	30
		h-index	**g-index**

36	36	36	595
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Functionally graded thick sandwich beams with porous core: Buckling analysis via differential transform method. Mechanics Based Design of Structures and Machines, 2023, 51, 3650-3677.	3.4	10
2	Application of Variational Asymptotic Method for Structural Analysis of Fan Rotor Blades in Boundary Layer Ingesting Flow Field. , 2020, , .		1
3	Aeroelastic Stability Analysis of Tailored Pretwisted Wings. AIAA Journal, 2019, 57, 4458-4466.	1.5	11
4	Form finding and design optimization of cable network structures with flexible frames. Computers and Structures, 2019, 220, 81-91.	2.4	32
5	Mechanics of structure genome-based global buckling analysis of stiffened composite panels. Acta Mechanica, 2019, 230, 4109-4124.	1.1	8
6	Integrated form finding method for mesh reflector antennas considering the flexible truss and hinges. Aerospace Science and Technology, 2019, 84, 926-937.	2.5	48
7	Modeling of initially curved and twisted smart beams using intrinsic equations. International Journal of Solids and Structures, 2018, 148-149, 3-13.	1.3	10
8	Nonlocal fully intrinsic equations for free vibration of Eulerâ€"Bernoulli beams with constitutive boundary conditions. Acta Mechanica, 2018, 229, 3279-3292.	1.1	13
9	Asymptotic Approach to Oblique Cross-Sectional Analysis of Beams. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	1.1	8
10	In Vitroâ€"Derived Gametes from Stem Cells. Seminars in Reproductive Medicine, 2013, 31, 033-038.	0.5	14
11	Dynamic Variational-Asymptotic Procedure for Laminated Composite Shellsâ€"Part II: High-Frequency Vibration Analysis. Journal of Applied Mechanics, Transactions ASME, 2009, 76, .	1.1	7
12	An Argument Against Augmenting the Lagrangean for Nonholonomic Systems. Journal of Applied Mechanics, Transactions ASME, 2009, 76, .	1.1	3
13	Dynamic Variational-Asymptotic Procedure for Laminated Composite Shellsâ€"Part I: Low-Frequency Vibration Analysis. Journal of Applied Mechanics, Transactions ASME, 2009, 76, .	1.1	8
14	Asymptotic Derivation of Shear Beam Theory from Timoshenko Theory. Journal of Engineering Mechanics - ASCE, 2007, 133, 957-961.	1.6	13
15	Inverse Dynamics of Servo-Constraints Based on the Generalized Inverse. Nonlinear Dynamics, 2005, 39, 179-196.	2.7	68
16	Nonminimal Kane's Equations of Motion for Multibody Dynamical Systems Subject to Nonlinear Nonholonomic Constraints. Multibody System Dynamics, 2005, 14, 155-187.	1.7	14
17	Asymptotic Approach for Thermoelastic Analysis of Laminated Composite Plates. Journal of Engineering Mechanics - ASCE, 2004, 130, 531-540.	1.6	40
18	A Geometrically Nonlinear Shear Deformation Theory for Composite Shells. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 1-9.	1.1	53

#	Article	IF	Citations
19	Elasticity Solutions Versus Asymptotic Sectional Analysis of Homogeneous, Isotropic, Prismatic Beams. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 15-23.	1.1	116
20	Geometrically Exact, Intrinsic Theory for Dynamics of Curved and Twisted Anisotropic Beams. AIAA Journal, 2003, 41, 1131-1137.	1.5	328
21	Multi-flexible-body Dynamic Analysis of Horizontal Axis Wind Turbines. Wind Energy, 2002, 5, 281-300.	1.9	77
22	Analysis of Nonlinear Multibody Systems with Elastic Couplings. Multibody System Dynamics, 1999, 3, 163-188.	1.7	18
23	Solving boundary-value problems using hp-version finite elements in time. International Journal for Numerical Methods in Engineering, 1998, 43, 425-440.	1.5	6
24	Stiffness Constants for Composite Beams Including Large Initial Twist and Curvature Effects. Applied Mechanics Reviews, 1995, 48, S61-S67.	4.5	35
25	A Geometrically Nonlinear Theory of Elastic Plates. Journal of Applied Mechanics, Transactions ASME, 1993, 60, 109-116.	1.1	99
26	Variational-Asymptotical Analysis of Initially Curved and Twisted Composite Beams. Applied Mechanics Reviews, 1993, 46, S211-S220.	4.5	48
27	Stability of Hingeless Rotors in Hover Using Three‐Dimensional Unsteady Aerodynamics. Journal of the American Helicopter Society, 1991, 36, 21-31.	0.5	23
28	Free‐Vibration Analysis of Composite Beams. Journal of the American Helicopter Society, 1991, 36, 36-47.	0.5	141
29	Nonlinear Deformation of Composite Beams: Unification of Cross-Sectional and Elastic Analyses. Applied Mechanics Reviews, 1991, 44, S9-S15.	4.5	17
30	A Hybrid Symbolic/Finite-Element Algorithm for Solving Nonlinear Optimal Control Problems. , 1991, , .		0
31	A mixed variational formulation based on exact intrinsic equations for dynamics of moving beams. International Journal of Solids and Structures, 1990, 26, 1253-1273.	1.3	427
32	Some Fundamentals Regarding Kinematics and Generalized Forces for Multibody Dynamics. Journal of the American Helicopter Society, 1990, 35, 3-11.	0.5	0
33	A Weak Hamiltonian Finite Element Method for Optimal Guidance of an Advanced Launch Vehicle. , 1989, , .		4
34	Discussion: â€œOn the Dynamic Response of a Single-Degree-of-Freedom Structure Attached to the Interior of a Rotating Rigid Ringâ€•(Hernried, A. G., and Gustafson, G. B., 1988, ASME J. Appl. Mech., 55, pp.) Tj ETQq0 0 0 rgBT /Overlock		
35	Load Reduction During Resonance Crossing of a Variable-Speed Rotor. Journal of Aircraft, 0, , 1-23.	1.7	0