

Kwang-chun Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5412269/publications.pdf>

Version: 2024-02-01

179
papers

5,102
citations

94269

37
h-index

106150

65
g-index

182
all docs

182
docs citations

182
times ranked

2334
citing authors

#	ARTICLE	IF	CITATIONS
1	Partitioned analysis of coupled mechanical systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 3247-3270.	3.4	557
2	A Curved C0 Shell Element Based on Assumed Natural-Coordinate Strains. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1986, 53, 278-290.	1.1	236
3	Staggered transient analysis procedures for coupled mechanical systems: Formulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1980, 24, 61-111.	3.4	214
4	An Improved Stiffly Stable Method for Direct Integration of Nonlinear Structural Dynamic Equations. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1975, 42, 464-470.	1.1	210
5	A variational principle for the formulation of partitioned structural systems. <i>International Journal for Numerical Methods in Engineering</i> , 2000, 47, 395-418.	1.5	138
6	Structural system identification: from reality to models. <i>Computers and Structures</i> , 2003, 81, 1149-1176.	2.4	122
7	Second-order structural identification procedure via state-space-based system identification. <i>AIAA Journal</i> , 1994, 32, 397-406.	1.5	119
8	Partitioned Transient Analysis Procedures for Coupled-Field Problems: Stability Analysis. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1980, 47, 370-376.	1.1	115
9	Stabilization of computational procedures for constrained dynamical systems. <i>Journal of Guidance, Control, and Dynamics</i> , 1988, 11, 365-370.	1.6	104
10	A simple algorithm for localized construction of non-matching structural interfaces. <i>International Journal for Numerical Methods in Engineering</i> , 2002, 53, 2117-2142.	1.5	95
11	A localized version of the method of Lagrange multipliers and its applications. <i>Computational Mechanics</i> , 2000, 24, 476-490.	2.2	90
12	Partitioned formulation of internal fluid-structure interaction problems by localized Lagrange multipliers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 2989-3007.	3.4	88
13	Partitioned Component Mode Synthesis via a Flexibility Approach. <i>AIAA Journal</i> , 2004, 42, 1236-1245.	1.5	83
14	Structural tailoring and feedback control synthesis - An interdisciplinary approach. <i>Journal of Guidance, Control, and Dynamics</i> , 1990, 13, 424-429.	1.6	82
15	A Variational Framework for Solution Method Developments in Structural Mechanics. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1998, 65, 242-249.	1.1	79
16	An unconditionally stable staggered algorithm for transient finite element analysis of coupled thermoelastic problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1991, 85, 349-365.	3.4	76
17	Practical aspects of numerical time integration. <i>Computers and Structures</i> , 1977, 7, 343-353.	2.4	75
18	Extraction of Impulse Response Data via Wavelet Transform for Structural System Identification. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1998, 120, 252-260.	1.0	72

#	ARTICLE	IF	CITATIONS
19	Stabilization of partitioned solution procedure for pore fluid-soil interaction analysis. International Journal for Numerical Methods in Engineering, 1983, 19, 1669-1673.	1.5	70
20	An algebraically partitioned FETI method for parallel structural analysis: algorithm description. International Journal for Numerical Methods in Engineering, 1997, 40, 2717-2737.	1.5	69
21	Active Disturbance Rejection Control for Precise Position Tracking of Ionic Polymerâ€”Metal Composite Actuators. IEEE/ASME Transactions on Mechatronics, 2013, 18, 86-95.	3.7	63
22	The impact of yaw error on aeroelastic characteristics of a horizontal axis wind turbine blade. Renewable Energy, 2013, 60, 256-268.	4.3	63
23	High-Fidelity Modeling of MEMS Resonatorsâ€”Part I: Anchor Loss Mechanisms Through Substrate. Journal of Microelectromechanical Systems, 2004, 13, 238-247.	1.7	62
24	Partitioned Transient Analysis Procedures for Coupled-Field Problems: Accuracy Analysis. Journal of Applied Mechanics, Transactions ASME, 1980, 47, 919-926.	1.1	57
25	A variable-step central difference method for structural dynamics analysis â€” part 1. Theoretical aspects. Computer Methods in Applied Mechanics and Engineering, 1980, 22, 241-258.	3.4	56
26	Treatment of acoustic fluidâ€”structure interaction by localized Lagrange multipliers: Formulation. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3057-3079.	3.4	47
27	Direct time integration methods in nonlinear structural dynamics. Computer Methods in Applied Mechanics and Engineering, 1979, 17-18, 277-313.	3.4	46
28	A modular multibody analysis capability for high-precision, active control and real-time applications. International Journal for Numerical Methods in Engineering, 1991, 32, 1767-1798.	1.5	46
29	A contact formulation based on localized Lagrange multipliers: formulation and application to two-dimensional problems. International Journal for Numerical Methods in Engineering, 2002, 54, 263-297.	1.5	45
30	Treatment of acoustic fluidâ€”structure interaction by localized Lagrange multipliers and comparison to alternative interface-coupling methods. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 986-1005.	3.4	45
31	Method for determining minimum-order mass and stiffness matrices from modal test data. AIAA Journal, 1995, 33, 128-135.	1.5	43
32	An algebraically partitioned FETI method for parallel structural analysis: performance evaluation. International Journal for Numerical Methods in Engineering, 1997, 40, 2739-2758.	1.5	43
33	Reduction of substructural interface degrees of freedom in flexibility-based component mode synthesis. International Journal for Numerical Methods in Engineering, 2007, 70, 163-180.	1.5	42
34	Explicit-implicit staggered procedure for multibody dynamics analysis. Journal of Guidance, Control, and Dynamics, 1990, 13, 562-570.	1.6	41
35	A Fourier analysis of spurious mechanisms and locking in the finite element method. Computer Methods in Applied Mechanics and Engineering, 1984, 46, 65-81.	3.4	39
36	The construction of freeâ€”free flexibility matrices as generalized stiffness inverses. Computers and Structures, 1998, 68, 411-418.	2.4	39

#	ARTICLE	IF	CITATIONS
37	Sparse identification of nonlinear dynamical systems via reweighted least squares. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113620.	3.4	38
38	Solving structural mechanics problems on the caltech hypercube machine. Computer Methods in Applied Mechanics and Engineering, 1987, 61, 161-176.	3.4	37
39	Mass Matrix Templates: General Description and 1D Examples. Archives of Computational Methods in Engineering, 2015, 22, 1-65.	6.0	37
40	A simple computer implementation of membrane wrinkle behaviour via a projection technique. International Journal for Numerical Methods in Engineering, 2007, 71, 1231-1259.	1.5	36
41	Slewing Maneuvers and Vibration Control of Space Structures by Feedforward/Feedback Moment-Gyro Controls. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1995, 117, 343-351.	0.9	35
42	Transient finite element computations on 65536 processors: The connection machine. International Journal for Numerical Methods in Engineering, 1990, 30, 27-55.	1.5	34
43	Dynamics of flexible beams for multibody systems: A computational procedure. Computer Methods in Applied Mechanics and Engineering, 1992, 96, 373-408.	3.4	34
44	A direct flexibility method. Computer Methods in Applied Mechanics and Engineering, 1997, 149, 319-337.	3.4	34
45	Evaluating Mode Selection Methods for Component Mode Synthesis. AIAA Journal, 2016, 54, 2852-2863.	1.5	34
46	A direct coupling method for 3D hydroelastic analysis of floating structures. International Journal for Numerical Methods in Engineering, 2013, 96, 842-866.	1.5	33
47	A Theory for Strain-Based Structural System Identification. Journal of Applied Mechanics, Transactions ASME, 2001, 68, 521-527.	1.1	31
48	Structural topology optimization of the transition piece for an offshore wind turbine with jacket foundation. Renewable Energy, 2016, 85, 1214-1225.	4.3	31
49	Computational Aspects of Time Integration Procedures in Structural Dynamics—Part 1: Implementation. Journal of Applied Mechanics, Transactions ASME, 1978, 45, 595-602.	1.1	30
50	Finite Element Modeling of Sail Deformation Under Solar Radiation Pressure. Journal of Spacecraft and Rockets, 2007, 44, 514-521.	1.3	30
51	Dynamic Wrinkle Reduction Strategies for Cable-Suspended Membrane Structures. Journal of Spacecraft and Rockets, 2005, 42, 850-858.	1.3	29
52	A formulation based on localized Lagrange multipliers for BEM-FEM coupling in contact problems. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 623-640.	3.4	29
53	A strongly coupled model reduction of vibro-acoustic interaction. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 495-516.	3.4	29
54	The construction of free flexibility matrices for multilevel structural analysis. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 2139-2168.	3.4	27

#	ARTICLE	IF	CITATIONS
55	A component mode selection method based on a consistent perturbation expansion of interface displacement. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 330, 578-597.	3.4	27
56	A variable-step central difference method for structural dynamics analysis- part 2. Implementation and performance evaluation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1980, 23, 259-279.	3.4	26
57	Formulation and Solution of Inverse Spaghetti Problem: Application to Beam Deployment Dynamics. <i>AIAA Journal</i> , 1993, 31, 339-347.	1.5	24
58	Structural Damage Detection Using Localized Flexibilities. <i>Journal of Intelligent Material Systems and Structures</i> , 1998, 9, 911-919.	1.4	24
59	A family of solution algorithms for nonlinear structural analysis based on relaxation equations. <i>International Journal for Numerical Methods in Engineering</i> , 1982, 18, 1337-1347.	1.5	23
60	An operational procedure for the symbolic analysis of the finite element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1984, 42, 37-46.	3.4	23
61	Identification of Structural Dynamics Models Using Wavelet-Generated Impulse Response Data. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1998, 120, 261-266.	1.0	23
62	Electroactive Polymer Actuator Based on Sulfonated Polyimide with Highly Conductive Silver Electrodes Via Self-metalization. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1583-1587.	2.0	23
63	A method for computation of discontinuous wave propagation in heterogeneous solids: basic algorithm description and application to one-dimensional problems. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 91, 622-643.	1.5	23
64	A symbolic fourier synthesis of a one-point integrated quadrilateral plate element. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1985, 48, 203-236.	3.4	22
65	Evaluation of Cable Suspended Membrane Structures for Wrinkle-Free Design. , 2003, , .		22
66	High-Fidelity Modeling of MEMS Resonators Part II: Coupled Beam-Substrate Dynamics and Validation. <i>Journal of Microelectromechanical Systems</i> , 2004, 13, 248-257.	1.7	21
67	Partitioned vibration analysis of internal fluid-structure interaction problems. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 92, 268-300.	1.5	21
68	A family of implicit partitioned time integration algorithms for parallel analysis of heterogeneous structural systems. <i>Computational Mechanics</i> , 2000, 24, 463-475.	2.2	20
69	FEM and BEM coupling in elastostatics using localized Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 2058-2074.	1.5	20
70	Extraction of Normal Modes and Full Modal Damping from Complex Modal Parameters. <i>AIAA Journal</i> , 1997, 35, 1187-1194.	1.5	19
71	Extraction of Substructural Flexibility from Global Frequencies and Mode Shapes. <i>AIAA Journal</i> , 1999, 37, 1444-1451.	1.5	19
72	Evaluation of membrane structure designs using boundary web cables for uniform tensioning. <i>Acta Astronautica</i> , 2007, 60, 846-857.	1.7	19

#	ARTICLE	IF	CITATIONS
73	A uniformly reduced, four-noded CO-shell element with consistent rank corrections. Computers and Structures, 1985, 20, 129-139.	2.4	17
74	Improved strain interpolation for curvedCÂ° elements. International Journal for Numerical Methods in Engineering, 1986, 22, 281-288.	1.5	17
75	Torsional Stiffness Effects on the Dynamic Stability of a Horizontal Axis Wind Turbine Blade. Energies, 2013, 6, 2242-2261.	1.6	17
76	Compact piezoelectric tripod manipulator based on a reverse bridge-type amplification mechanism. Smart Materials and Structures, 2016, 25, 095028.	1.8	17
77	Inverse mass matrix via the method of localized lagrange multipliers. International Journal for Numerical Methods in Engineering, 2018, 113, 277-295.	1.5	17
78	Semi-implicit transient analysis procedures for structural dynamics analysis. International Journal for Numerical Methods in Engineering, 1982, 18, 609-622.	1.5	15
79	Distributed and Localized Active Vibration Isolation in Membrane Structures. Journal of Spacecraft and Rockets, 2006, 43, 1107-1116.	1.3	15
80	A staggered explicitâ€“implicit finite element formulation for electroactive polymers. Computer Methods in Applied Mechanics and Engineering, 2018, 337, 150-164.	3.4	14
81	A time-discontinuous implicit variational integrator for stress wave propagation analysis in solids. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 649-664.	3.4	13
82	A Mode Selection Criterion Based on Flexibility Approach in Component Mode Synthesis. , 2012, , .		13
83	A simple explicitâ€“implicit finite element tearing and interconnecting transient analysis algorithm. International Journal for Numerical Methods in Engineering, 2012, 89, 1203-1226.	1.5	13
84	A method for multidimensional wave propagation analysis via componentâ€“wise partition of longitudinal and shear waves. International Journal for Numerical Methods in Engineering, 2013, 95, 212-237.	1.5	13
85	How does clamping pressure influence actuation performance of soft ionic polymerâ€“metal composites?. Smart Materials and Structures, 2013, 22, 025014.	1.8	13
86	Partitioning based reduced order modelling approach for transient analyses of large structures. Engineering Computations, 2009, 26, 46-68.	0.7	12
87	A gap element for treating non-matching discrete interfaces. Computational Mechanics, 2015, 56, 551-563.	2.2	12
88	Tunable acoustic waveguide based on vibro-acoustic metamaterials with shunted piezoelectric unit cells. Smart Materials and Structures, 2015, 24, 105018.	1.8	12
89	Inverse mass matrix for isogeometric explicit transient analysis via the method of localized Lagrange multipliers. International Journal for Numerical Methods in Engineering, 2019, 117, 939-966.	1.5	12
90	New approximations of external acousticâ€“structural interactions: Derivation and evaluation. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 1368-1388.	3.4	11

#	ARTICLE	IF	CITATIONS
91	Topology optimization of deformable bodies with dissimilar interfaces. <i>Computers and Structures</i> , 2018, 198, 1-11.	2.4	11
92	Computational Aspects of Time Integration Procedures in Structural Dynamics—Part 2: Error Propagation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1978, 45, 603-611.	1.1	10
93	Partitioned formulation of frictional contact problems using localized Lagrange multipliers. <i>Communications in Numerical Methods in Engineering</i> , 2005, 22, 319-333.	1.3	10
94	Localized Vibration Isolation Strategy for Low-Frequency Excitations in Membrane Space Structures. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2006, 128, 790-797.	1.0	10
95	The d'Alembert—Lagrange principal equations and applications to floating flexible systems. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 77, 1072-1099.	1.5	10
96	Crack Identification in a Rotating Shaft via the Reverse Directional Frequency Response Functions. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2009, 131, .	1.0	10
97	Partitioned solution procedure for control-structure interaction simulations. <i>Journal of Guidance, Control, and Dynamics</i> , 1991, 14, 59-67.	1.6	9
98	Minimal-order experimental component mode synthesis - New results and challenges. <i>AIAA Journal</i> , 1995, 33, 1477-1485.	1.5	9
99	Numerically generated tangent stiffness matrices for nonlinear structural analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002, 191, 5833-5846.	3.4	9
100	Flexible heliogyro solar sail under solar radiation pressure and gravitational force. <i>Acta Astronautica</i> , 2021, 179, 186-196.	1.7	9
101	An Improved Semi-Implicit Method for Structural Dynamics Analysis. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1982, 49, 589-593.	1.1	8
102	A natural partitioning scheme for parallel simulation of multibody systems. <i>International Journal for Numerical Methods in Engineering</i> , 1993, 36, 945-967.	1.5	8
103	Helically Curved Unfurlable Structural Elements: Kinematic Analysis and Laboratory Demonstration. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1996, 118, 22-28.	1.7	8
104	A unified approach for local resolution of kinematic redundancy with inequality constraints and its application to nuclear power plant. , 0, , .		8
105	Extraction of normal modes and full modal damping from complex modal parameters. <i>AIAA Journal</i> , 1997, 35, 1187-1194.	1.5	8
106	Effect of Static and Dynamic Solar Sail Deformation on Center of Pressure and Thrust Forces. , 2006, , .		7
107	Investigation of Wake Effects on Aeroelastic Responses of Horizontal-Axis Wind-Turbines. <i>AIAA Journal</i> , 2014, 52, 1133-1144.	1.5	7
108	Omnidirectional two-dimensional acoustic cloak by axisymmetric cylindrical lattices. <i>Wave Motion</i> , 2015, 54, 157-169.	1.0	7

#	ARTICLE	IF	CITATIONS
109	Efficient implementation of an explicit partitioned shear and longitudinal wave propagation algorithm. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 107, 543-579.	1.5	7
110	Virtual gap element approach for the treatment of non-matching interface using three-dimensional solid elements. <i>Computational Mechanics</i> , 2017, 60, 585-594.	2.2	7
111	An iterative scheme of flexibility-based component mode synthesis with higher-order residual modal compensation. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 3171-3190.	1.5	7
112	A discrete momentum-conserving explicit algorithm for rigid body dynamics analysis. <i>International Journal for Numerical Methods in Engineering</i> , 1993, 36, 1071-1083.	1.5	6
113	Use of Substructural Transmission Zeros for Structural Health Monitoring. <i>AIAA Journal</i> , 2000, 38, 1040-1046.	1.5	6
114	Partitioned formulation of internal and gravity waves interacting with flexible structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 723-733.	3.4	6
115	Effects of Bonding Layer Characteristics on Strain Transmission and Bond Fatigue Performance. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1325-1339.	1.4	6
116	The nsBETI method: an extension of the FETI method to non-symmetrical BEM-FEM coupled problems. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 93, 1015-1039.	1.5	6
117	Explicit multistep time integration for discontinuous elastic stress wave propagation in heterogeneous solids. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 118, 276-302.	1.5	6
118	Locking, spurious mechanisms, and pressure divergence in penalty finite element methods for Stokes flow problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1984, 47, 315-330.	3.4	5
119	<title>Experimental application of a structural health monitoring methodology</title>. , 2000, , .		5
120	Dynamic Wrinkle Reduction Strategies for Cable Suspended Membrane Structures. , 2004, , .		5
121	Advanced Cable Boundary Layer Design in Membrane Structures for Dynamic Wrinkle Reduction. , 2005, , .		5
122	Design Parameter Effects for Wrinkle Reduction in Membrane Space Structures. , 2005, , .		5
123	Distributed Localized Vibration Control of Membrane Structures Using Piezoelectric Actuators. , 2005, , .		5
124	A formulation of conserving impact system based on localized Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 68, 98-124.	1.5	5
125	A continuum-based modeling of MEMS devices for estimating their resonant frequencies. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008, 198, 234-244.	3.4	5
126	Stabilized mixed displacement-pressure finite element formulation for linear hydrodynamic problems with free surfaces. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 319, 314-337.	3.4	5

#	ARTICLE	IF	CITATIONS
127	Motion Control of Piezoelectric Tripod Platform via Feedforward Hysteresis Compensation. <i>Advanced Materials Technologies</i> , 2018, 3, 1800298.	3.0	5
128	Iterative Component Mode Synthesis Using a Priori and a Posteriori Criteria. <i>AIAA Journal</i> , 2019, 57, 2145-2157.	1.5	5
129	Large-step explicit time integration via mass matrix tailoring. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 1647-1664.	1.5	5
130	Nonlinear Dynamic Phenomena in the Space Shuttle Thermal Protection System. <i>Journal of Spacecraft and Rockets</i> , 1982, 19, 269-277.	1.3	4
131	Application of Adaptive Structure Concepts to Construction of Space Systems in Orbit: Concepts and Formulation. <i>Journal of Intelligent Material Systems and Structures</i> , 1992, 3, 719-734.	1.4	4
132	A computational procedure for flexible beams with frictional contact constraints. <i>International Journal for Numerical Methods in Engineering</i> , 1993, 36, 3781-3800.	1.5	4
133	Equilibrium constrained assumed natural co-ordinate strain plate elements. <i>International Journal for Numerical Methods in Engineering</i> , 1995, 38, 2951-2977.	1.5	4
134	Partitioned solution of reduced-integrated finite element equations. <i>Computers and Structures</i> , 2000, 74, 281-292.	2.4	4
135	A Classification of Interface Treatments for FSI. <i>Lecture Notes in Computational Science and Engineering</i> , 2011, , 27-51.	0.1	4
136	Virtual tetrahedral gap element to connect three-dimensional non-coincident interfaces. <i>Finite Elements in Analysis and Design</i> , 2018, 152, 18-26.	1.7	4
137	A new approach for nonmatching interface construction by the method of localized Lagrange multipliers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 361, 112728.	3.4	4
138	Accelerating the convergence of AFETI partitioned analysis of heterogeneous structural dynamical systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 360, 112726.	3.4	4
139	Bi-penalty stabilized technique with predictor-corrector time scheme for contact-impact problems of elastic bars. <i>Mathematics and Computers in Simulation</i> , 2021, 189, 305-324.	2.4	4
140	A MODE SELECTION ALGORITHM FOR THE FLEXIBILITY-BASED COMPONENT MODE SYNTHESIS. , 2015, , .		4
141	Computational Issues in Control-Structure Interaction Analysis. <i>Springer Series in Computational Mechanics</i> , 1988, , 115-131.	0.3	3
142	Structural dynamics modification via reorientation of modification elements. <i>Finite Elements in Analysis and Design</i> , 2005, 42, 50-70.	1.7	3
143	Partitioned formulation and stability analysis of a fluid interacting with a saturated porous medium by localised Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 106, 1071-1099.	1.5	3
144	Minimum influence point method to construct fictitious frame domain for treating nonmatching interface meshes. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 1253-1260.	0.7	3

#	ARTICLE	IF	CITATIONS
145	Formulation of Flexibility-Based Component Mode Synthesis for Transient Analysis. AIAA Journal, 2019, 57, 858-869.	1.5	3
146	Solarelastic Instability of Periodically Time-Varying Heliogyro Blade. Journal of Spacecraft and Rockets, 2020, 57, 398-404.	1.3	3
147	A variational principle for the formulation of partitioned structural systems. International Journal for Numerical Methods in Engineering, 2000, 47, 395-418.	1.5	3
148	Stint/CD: A stand-alone explicit time integration package for structural dynamics analysis. International Journal for Numerical Methods in Engineering, 1981, 17, 1285-1312.	1.5	2
149	The Deployment of Curved Closed Tubes. Journal of Mechanical Design, Transactions of the ASME, 1996, 118, 337-339.	1.7	2
150	<title>Theory of localized vibration control via partitioned LQR synthesis</title>. , 2000, 3984, 520.		2
151	Design Improvements of a Solar Sail for Stiffness Increase and Passive Attitude Stabilization. , 2007, , .		2
152	Partitioned analysis of flexible multibody systems using filtered linear finite element deformational modes. International Journal for Numerical Methods in Engineering, 2014, 99, 102-128.	1.5	2
153	Partitioned formulation of contactâ€”impact problems with stabilized contact constraints and reciprocal mass matrices. International Journal for Numerical Methods in Engineering, 2021, 122, 4609-4636.	1.5	2
154	Transient Analysis Methods in Computational Dynamics. Icase/nasa Larc Series, 1988, , 240-267.	0.2	2
155	Model Based Partitioned Simulation of Coupled Systems. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2008, , 171-216.	0.3	2
156	Partitioned Procedures for Control-Structure Interaction Analysis. , 1988, , 1805-1808.		2
157	Treatment of Non-matching Interfaces in Partitioned Fluidâ€”Structure Interaction Problems. Computational and Experimental Methods in Structures, 2018, , 145-178.	0.2	2
158	Extraction of substructural flexibility from global frequencies and mode shapes. AIAA Journal, 1999, 37, 1444-1451.	1.5	2
159	Acceleration of uncertainty propagation through Lagrange multipliers in partitioned stochastic method. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112837.	3.4	2
160	Active Adhesion Concepts for In-Orbit Structural Construction. Journal of Reinforced Plastics and Composites, 1993, 12, 934-942.	1.6	1
161	<title>Dynamics of large space-structure elements in orbit through adaptive deployment construction</title>. , 1993, 1917, 1042.		1
162	Consistent model reduction of experimental modal parameters for reduced-order control. Journal of Guidance, Control, and Dynamics, 1995, 18, 748-755.	1.6	1

#	ARTICLE	IF	CITATIONS
163	Partitioned Structural Eigenvalue Analysis, Part I: Mode Synthesis Approximations and Error Estimates. , 2002, , .		1
164	Partitioned Structural Eigenvalue Analysis, Part II: Implementation and Performance Evaluation. , 2002, , .		1
165	Active Vibration Suppression Strategy for a Membrane Reflector/Mirror Undergoing Slewing Maneuvers. , 2006, , .		1
166	An algebraically partitioned FETI method for parallel structural analysis: performance evaluation. , 1997, 40, 2739.		1
167	Theory and Application of Localized Vibration Control Strategy in Cable-Suspended Membrane Space Structures. , 2005, , .		1
168	A Family of CO Shell Elements Based on Generalized Hrennikoff's Method and Assumed Natural-Coordinate Strains. , 1986, , 265-282.		1
169	A Simplified Technique for Prediction of Collapse Modes in Crash-Impacted Structural Systems. Journal of Engineering for Industry, 1976, 98, 902-908.	0.8	0
170	A UNIFORMLY REDUCED, FOUR-NODED CO-SHELL ELEMENT WITH CONSISTENT RANK CORRECTIONS. , 1985, , 129-139.		0
171	ANALYSIS OF ELASTO-PLASTIC STRESS WAVES BY A TIME-DISCONTINUOUS VARIATIONAL INTEGRATOR OF HAMILTONIAN. International Journal of Modern Physics B, 2008, 22, 6259-6264.	1.0	0
172	An Explicit Integration Method for Analysis of Wave Propagation in Heterogeneous Materials. , 2011, , .		0
173	A Method for Computation of Wave Propagation in Heterogeneous Solids: Algorithm Description. , 2013, , .		0
174	A scaling law for form drag coefficients in incompressible turbulent flows. Ocean Engineering, 2014, 92, 75-82.	1.9	0
175	A Partitioned Formulation for FEM/BEM Coupling in Contact Problems Using Localized Lagrange Multipliers. Key Engineering Materials, 0, 618, 23-48.	0.4	0
176	Piezoelectric Actuators: Motion Control of Piezoelectric Tripod Platform via Feedforward Hysteresis Compensation (Adv. Mater. Technol. 12/2018). Advanced Materials Technologies, 2018, 3, 1870049.	3.0	0
177	Use of substructural transmission zeros for structural health monitoring. AIAA Journal, 2000, 38, 1040-1046.	1.5	0
178	ANALYSIS OF ELASTO-PLASTIC STRESS WAVES BY A TIME-DISCONTINUOUS VARIATIONAL INTEGRATOR OF HAMILTONIAN. , 2009, , .		0
179	INVERSE MASS MATRIX FOR HIGHER-ORDER FINITE ELEMENT METHOD IN LINEAR FREE-VIBRATION PROBLEMS. , 2020, , .		0