

# 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

94433

37  
h-index

106344

65  
g-index

182  
all docs

182  
docs citations

182  
times ranked

2334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible heliogyro solar sail under solar radiation pressure and gravitational force. Acta Astronautica, 2021, 179, 186-196.	3.2	9
2	Sparse identification of nonlinear dynamical systems via reweighted least squares. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113620.	6.6	38
3	An iterative scheme of flexibility-based component mode synthesis with higher-order residual modal compensation. International Journal for Numerical Methods in Engineering, 2021, 122, 3171-3190.	2.8	7
4	Partitioned formulation of contact-impact problems with stabilized contact constraints and reciprocal mass matrices. International Journal for Numerical Methods in Engineering, 2021, 122, 4609-4636.	2.8	2
5	Bi-penalty stabilized technique with predictor-corrector time scheme for contact-impact problems of elastic bars. Mathematics and Computers in Simulation, 2021, 189, 305-324.	4.4	4
6	A new approach for nonmatching interface construction by the method of localized Lagrange multipliers. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112728.	6.6	4
7	Large-step explicit time integration via mass matrix tailoring. International Journal for Numerical Methods in Engineering, 2020, 121, 1647-1664.	2.8	5
8	Accelerating the convergence of AFETI partitioned analysis of heterogeneous structural dynamical systems. Computer Methods in Applied Mechanics and Engineering, 2020, 360, 112726.	6.6	4
9	Solarelastic Instability of Periodically Time-Varying Heliogyro Blade. Journal of Spacecraft and Rockets, 2020, 57, 398-404.	1.9	3
10	Acceleration of uncertainty propagation through Lagrange multipliers in partitioned stochastic method. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112837.	6.6	2
11	INVERSE MASS MATRIX FOR HIGHER-ORDER FINITE ELEMENT METHOD IN LINEAR FREE-VIBRATION PROBLEMS. , 2020, , .		0
12	Iterative Component Mode Synthesis Using a Priori and a Posteriori Criteria. AIAA Journal, 2019, 57, 2145-2157.	2.6	5
13	Explicit multistep time integration for discontinuous elastic stress wave propagation in heterogeneous solids. International Journal for Numerical Methods in Engineering, 2019, 118, 276-302.	2.8	6
14	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.	2.8	12
15	Formulation of Flexibility-Based Component Mode Synthesis for Transient Analysis. AIAA Journal, 2019, 57, 858-869.	2.6	3
16	A strongly coupled model reduction of vibro-acoustic interaction. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 495-516.	6.6	29
17	A staggered explicit-implicit finite element formulation for electroactive polymers. Computer Methods in Applied Mechanics and Engineering, 2018, 337, 150-164.	6.6	14
18	Topology optimization of deformable bodies with dissimilar interfaces. Computers and Structures, 2018, 198, 1-11.	4.4	11

#	ARTICLE	IF	CITATIONS
19	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.	1.5	3
20	Inverse mass matrix via the method of localized lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 277-295.	2.8	17
21	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.	6.6	27
22	Motion Control of Piezoelectric Tripod Platform via Feedforward Hysteresis Compensation. <i>Advanced Materials Technologies</i> , 2018, 3, 1800298.	5.8	5
23	Piezoelectric Actuators: Motion Control of Piezoelectric Tripod Platform via Feedforward Hysteresis Compensation (Adv. Mater. Technol. 12/2018). <i>Advanced Materials Technologies</i> , 2018, 3, 1870049.	5.8	0
24	Virtual tetrahedral gap element to connect three-dimensional non-coincident interfaces. <i>Finite Elements in Analysis and Design</i> , 2018, 152, 18-26.	3.2	4
25	Treatment of Non-matching Interfaces in Partitioned Fluid-Structure Interaction Problems. <i>Computational and Experimental Methods in Structures</i> , 2018, , 145-178.	0.3	2
26	Virtual gap element approach for the treatment of non-matching interface using three-dimensional solid elements. <i>Computational Mechanics</i> , 2017, 60, 585-594.	4.0	7
27	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.	6.6	5
28	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.	2.8	7
29	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.	2.8	3
30	Compact piezoelectric tripod manipulator based on a reverse bridge-type amplification mechanism. <i>Smart Materials and Structures</i> , 2016, 25, 095028.	3.5	17
31	Evaluating Mode Selection Methods for Component Mode Synthesis. <i>AIAA Journal</i> , 2016, 54, 2852-2863.	2.6	34
32	Structural topology optimization of the transition piece for an offshore wind turbine with jacket foundation. <i>Renewable Energy</i> , 2016, 85, 1214-1225.	8.9	31
33	A gap element for treating non-matching discrete interfaces. <i>Computational Mechanics</i> , 2015, 56, 551-563.	4.0	12
34	Tunable acoustic waveguide based on vibro-acoustic metamaterials with shunted piezoelectric unit cells. <i>Smart Materials and Structures</i> , 2015, 24, 105018.	3.5	12
35	Omnidirectional two-dimensional acoustic cloak by axisymmetric cylindrical lattices. <i>Wave Motion</i> , 2015, 54, 157-169.	2.0	7
36	Mass Matrix Templates: General Description and 1D Examples. <i>Archives of Computational Methods in Engineering</i> , 2015, 22, 1-65.	10.2	37

#	ARTICLE	IF	CITATIONS
37	A MODE SELECTION ALGORITHM FOR THE FLEXIBILITY-BASED COMPONENT MODE SYNTHESIS. , 2015, , .		4
38	A scaling law for form drag coefficients in incompressible turbulent flows. Ocean Engineering, 2014, 92, 75-82.	4.3	0
39	Partitioned analysis of flexible multibody systems using filtered linear finite element deformational modes. International Journal for Numerical Methods in Engineering, 2014, 99, 102-128.	2.8	2
40	Investigation of Wake Effects on Aeroelastic Responses of Horizontal-Axis Wind-Turbines. AIAA Journal, 2014, 52, 1133-1144.	2.6	7
41	A method for multidimensional wave propagation analysis via component-wise partition of longitudinal and shear waves. International Journal for Numerical Methods in Engineering, 2013, 95, 212-237.	2.8	13
42	Active Disturbance Rejection Control for Precise Position Tracking of Ionic Polymer-metal Composite Actuators. IEEE/ASME Transactions on Mechatronics, 2013, 18, 86-95.	5.8	63
43	The impact of yaw error on aeroelastic characteristics of a horizontal axis wind turbine blade. Renewable Energy, 2013, 60, 256-268.	8.9	63
44	Torsional Stiffness Effects on the Dynamic Stability of a Horizontal Axis Wind Turbine Blade. Energies, 2013, 6, 2242-2261.	3.1	17
45	How does clamping pressure influence actuation performance of soft ionic polymer-metal composites?. Smart Materials and Structures, 2013, 22, 025014.	3.5	13
46	The nsBETI method: an extension of the FETI method to non-symmetrical BEM-FEM coupled problems. International Journal for Numerical Methods in Engineering, 2013, 93, 1015-1039.	2.8	6
47	A direct coupling method for 3D hydroelastic analysis of floating structures. International Journal for Numerical Methods in Engineering, 2013, 96, 842-866.	2.8	33
48	A Method for Computation of Wave Propagation in Heterogeneous Solids: Algorithm Description. , 2013, , .		0
49	A Mode Selection Criterion Based on Flexibility Approach in Component Mode Synthesis. , 2012, , .		13
50	Effects of Bonding Layer Characteristics on Strain Transmission and Bond Fatigue Performance. Journal of Adhesion Science and Technology, 2012, 26, 1325-1339.	2.6	6
51	Partitioned vibration analysis of internal fluid-structure interaction problems. International Journal for Numerical Methods in Engineering, 2012, 92, 268-300.	2.8	21
52	A simple explicit-implicit finite element tearing and interconnecting transient analysis algorithm. International Journal for Numerical Methods in Engineering, 2012, 89, 1203-1226.	2.8	13
53	A method for computation of discontinuous wave propagation in heterogeneous solids: basic algorithm description and application to one-dimensional problems. International Journal for Numerical Methods in Engineering, 2012, 91, 622-643.	2.8	23
54	A Classification of Interface Treatments for FSI. Lecture Notes in Computational Science and Engineering, 2011, , 27-51.	0.3	4

#	ARTICLE	IF	CITATIONS
55	Electro-Active Polymer Actuator Based on Sulfonated Polyimide with Highly Conductive Silver Electrodes Via Self-Metallization. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1583-1587.	3.9	23
56	A time-discontinuous implicit variational integrator for stress wave propagation analysis in solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011, 200, 649-664.	6.6	13
57	An Explicit Integration Method for Analysis of Wave Propagation in Heterogeneous Materials. , 2011, , .		0
58	Partitioned formulation of internal and gravity waves interacting with flexible structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 723-733.	6.6	6
59	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.	2.8	10
60	Treatment of acoustic fluid-structure interaction by localized Lagrange multipliers and comparison to alternative interface-coupling methods. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 986-1005.	6.6	45
61	New approximations of external acoustic-structural interactions: Derivation and evaluation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 1368-1388.	6.6	11
62	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, .	1.6	10
63	Partitioning based reduced order modelling approach for transient analyses of large structures. <i>Engineering Computations</i> , 2009, 26, 46-68.	1.4	12
64	ANALYSIS OF ELASTO-PLASTIC STRESS WAVES BY A TIME-DISCONTINUOUS VARIATIONAL INTEGRATOR OF HAMILTONIAN. , 2009, , .		0
65	A formulation based on localized Lagrange multipliers for BEM-FEM coupling in contact problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008, 197, 623-640.	6.6	29
66	Treatment of acoustic fluid-structure interaction by localized Lagrange multipliers: Formulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008, 197, 3057-3079.	6.6	47
67	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.	6.6	5
68	ANALYSIS OF ELASTO-PLASTIC STRESS WAVES BY A TIME-DISCONTINUOUS VARIATIONAL INTEGRATOR OF HAMILTONIAN. <i>International Journal of Modern Physics B</i> , 2008, 22, 6259-6264.	2.0	0
69	Model Based Partitioned Simulation of Coupled Systems. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2008, , 171-216.	0.6	2
70	Finite Element Modeling of Sail Deformation Under Solar Radiation Pressure. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 514-521.	1.9	30
71	Design Improvements of a Solar Sail for Stiffness Increase and Passive Attitude Stabilization. , 2007, , .		2
72	FEM and BEM coupling in elastostatics using localized Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 2058-2074.	2.8	20

#	ARTICLE	IF	CITATIONS
73	Reduction of substructural interface degrees of freedom in flexibility-based component mode synthesis. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 70, 163-180.	2.8	42
74	A simple computer implementation of membrane wrinkle behaviour via a projection technique. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 71, 1231-1259.	2.8	36
75	Evaluation of membrane structure designs using boundary web cables for uniform tensioning. <i>Acta Astronautica</i> , 2007, 60, 846-857.	3.2	19
76	Active Vibration Suppression Strategy for a Membrane Reflector/Mirror Undergoing Slewing Maneuvers. , 2006, , .		1
77	Effect of Static and Dynamic Solar Sail Deformation on Center of Pressure and Thrust Forces. , 2006, , .		7
78	A formulation of conserving impact system based on localized Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 68, 98-124.	2.8	5
79	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.	1.6	10
80	Distributed and Localized Active Vibration Isolation in Membrane Structures. <i>Journal of Spacecraft and Rockets</i> , 2006, 43, 1107-1116.	1.9	15
81	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
82	Structural dynamics modification via reorientation of modification elements. <i>Finite Elements in Analysis and Design</i> , 2005, 42, 50-70.	3.2	3
83	Dynamic Wrinkle Reduction Strategies for Cable-Suspended Membrane Structures. <i>Journal of Spacecraft and Rockets</i> , 2005, 42, 850-858.	1.9	29
84	Advanced Cable Boundary Layer Design in Membrane Structures for Dynamic Wrinkle Reduction. , 2005, , .		5
85	Design Parameter Effects for Wrinkle Reduction in Membrane Space Structures. , 2005, , .		5
86	Distributed Localized Vibration Control of Membrane Structures Using Piezoelectric Actuators. , 2005, , .		5
87	Theory and Application of Localized Vibration Control Strategy in Cable-Suspended Membrane Space Structures. , 2005, , .		1
88	Partitioned Component Mode Synthesis via a Flexibility Approach. <i>AIAA Journal</i> , 2004, 42, 1236-1245.	2.6	83
89	High-Fidelity Modeling of MEMS Resonatorsâ€™ Part II: Coupled Beam-Substrate Dynamics and Validation. <i>Journal of Microelectromechanical Systems</i> , 2004, 13, 248-257.	2.5	21
90	High-Fidelity Modeling of MEMS Resonatorsâ€™ Part I: Anchor Loss Mechanisms Through Substrate. <i>Journal of Microelectromechanical Systems</i> , 2004, 13, 238-247.	2.5	62

#	ARTICLE	IF	CITATIONS
91	Dynamic Wrinkle Reduction Strategies for Cable Suspended Membrane Structures. , 2004, , .		5
92	Structural system identification: from reality to models. Computers and Structures, 2003, 81, 1149-1176.	4.4	122
93	Evaluation of Cable Suspended Membrane Structures for Wrinkle-Free Design. , 2003, , .		22
94	Partitioned Structural Eigenvalue Analysis, Part I: Mode Synthesis Approximations and Error Estimates. , 2002, , .		1
95	Partitioned Structural Eigenvalue Analysis, Part II: Implementation and Performance Evaluation. , 2002, , .		1
96	A simple algorithm for localized construction of non-matching structural interfaces. International Journal for Numerical Methods in Engineering, 2002, 53, 2117-2142.	2.8	95
97	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.	2.8	45
98	The construction of free-free flexibility matrices for multilevel structural analysis. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 2139-2168.	6.6	27
99	Numerically generated tangent stiffness matrices for nonlinear structural analysis. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 5833-5846.	6.6	9
100	A Theory for Strain-Based Structural System Identification. Journal of Applied Mechanics, Transactions ASME, 2001, 68, 521-527.	2.2	31
101	Partitioned formulation of internal fluid-structure interaction problems by localized Lagrange multipliers. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 2989-3007.	6.6	88
102	Partitioned analysis of coupled mechanical systems. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 3247-3270.	6.6	557
103	<title>Theory of localized vibration control via partitioned LQR synthesis</title>. , 2000, 3984, 520.		2
104	A variational principle for the formulation of partitioned structural systems. International Journal for Numerical Methods in Engineering, 2000, 47, 395-418.	2.8	138
105	Partitioned solution of reduced-integrated finite element equations. Computers and Structures, 2000, 74, 281-292.	4.4	4
106	A family of implicit partitioned time integration algorithms for parallel analysis of heterogeneous structural systems. Computational Mechanics, 2000, 24, 463-475.	4.0	20
107	A localized version of the method of Lagrange multipliers and its applications. Computational Mechanics, 2000, 24, 476-490.	4.0	90
108	Use of Substructural Transmission Zeros for Structural Health Monitoring. AIAA Journal, 2000, 38, 1040-1046.	2.6	6

#	ARTICLE	IF	CITATIONS
109	<title>Experimental application of a structural health monitoring methodology</title>. , 2000, , .		5
110	A variational principle for the formulation of partitioned structural systems. International Journal for Numerical Methods in Engineering, 2000, 47, 395-418.	2.8	3
111	Use of substructural transmission zeros for structural health monitoring. AIAA Journal, 2000, 38, 1040-1046.	2.6	0
112	Extraction of Substructural Flexibility from Global Frequencies and Mode Shapes. AIAA Journal, 1999, 37, 1444-1451.	2.6	19
113	Extraction of substructural flexibility from global frequencies and mode shapes. AIAA Journal, 1999, 37, 1444-1451.	2.6	2
114	The construction of free-free flexibility matrices as generalized stiffness inverses. Computers and Structures, 1998, 68, 411-418.	4.4	39
115	Structural Damage Detection Using Localized Flexibilities. Journal of Intelligent Material Systems and Structures, 1998, 9, 911-919.	2.5	24
116	A Variational Framework for Solution Method Developments in Structural Mechanics. Journal of Applied Mechanics, Transactions ASME, 1998, 65, 242-249.	2.2	79
117	Extraction of Impulse Response Data via Wavelet Transform for Structural System Identification. Journal of Vibration and Acoustics, Transactions of the ASME, 1998, 120, 252-260.	1.6	72
118	Identification of Structural Dynamics Models Using Wavelet-Generated Impulse Response Data. Journal of Vibration and Acoustics, Transactions of the ASME, 1998, 120, 261-266.	1.6	23
119	Extraction of Normal Modes and Full Modal Damping from Complex Modal Parameters. AIAA Journal, 1997, 35, 1187-1194.	2.6	19
120	A direct flexibility method. Computer Methods in Applied Mechanics and Engineering, 1997, 149, 319-337.	6.6	34
121	An algebraically partitioned FETI method for parallel structural analysis: algorithm description. International Journal for Numerical Methods in Engineering, 1997, 40, 2717-2737.	2.8	69
122	An algebraically partitioned FETI method for parallel structural analysis: performance evaluation. International Journal for Numerical Methods in Engineering, 1997, 40, 2739-2758.	2.8	43
123	An algebraically partitioned FETI method for parallel structural analysis: performance evaluation. International Journal for Numerical Methods in Engineering, 1997, 40, 2739-2758.	2.8	1
124	Extraction of normal modes and full modal damping from complex modal parameters. AIAA Journal, 1997, 35, 1187-1194.	2.6	8
125	Helically Curved Unfurlable Structural Elements: Kinematic Analysis and Laboratory Demonstration. Journal of Mechanical Design, Transactions of the ASME, 1996, 118, 22-28.	2.9	8
126	The Deployment of Curved Closed Tubes. Journal of Mechanical Design, Transactions of the ASME, 1996, 118, 337-339.	2.9	2



#	ARTICLE	IF	CITATIONS
127	Equilibrium constrained assumed natural co-ordinate strain plate elements. International Journal for Numerical Methods in Engineering, 1995, 38, 2951-2977.	2.8	4
128	Consistent model reduction of experimental modal parameters for reduced-order control. Journal of Guidance, Control, and Dynamics, 1995, 18, 748-755.	2.8	1
129	Minimal-order experimental component mode synthesis - New results and challenges. AIAA Journal, 1995, 33, 1477-1485.	2.6	9
130	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.	1.6	35
131	Method for determining minimum-order mass and stiffness matrices from modal test data. AIAA Journal, 1995, 33, 128-135.	2.6	43
132	Second-order structural identification procedure via state-space-based system identification. AIAA Journal, 1994, 32, 397-406.	2.6	119
133	A natural partitioning scheme for parallel simulation of multibody systems. International Journal for Numerical Methods in Engineering, 1993, 36, 945-967.	2.8	8
134	A discrete momentum-conserving explicit algorithm for rigid body dynamics analysis. International Journal for Numerical Methods in Engineering, 1993, 36, 1071-1083.	2.8	6
135	A computational procedure for flexible beams with frictional contact constraints. International Journal for Numerical Methods in Engineering, 1993, 36, 3781-3800.	2.8	4
136	Formulation and Solution of Inverse Spaghetti Problem: Application to Beam Deployment Dynamics. AIAA Journal, 1993, 31, 339-347.	2.6	24
137	Active Adhesion Concepts for In-Orbit Structural Construction. Journal of Reinforced Plastics and Composites, 1993, 12, 934-942.	3.1	1
138	<title>Dynamics of large space-structure elements in orbit through adaptive deployment construction</title>. , 1993, 1917, 1042.		1
139	Application of Adaptive Structure Concepts to Construction of Space Systems in Orbit: Concepts and Formulation. Journal of Intelligent Material Systems and Structures, 1992, 3, 719-734.	2.5	4
140	Dynamics of flexible beams for multibody systems: A computational procedure. Computer Methods in Applied Mechanics and Engineering, 1992, 96, 373-408.	6.6	34
141	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.	2.8	46
142	An unconditionally stable staggered algorithm for transient finite element analysis of coupled thermoelastic problems. Computer Methods in Applied Mechanics and Engineering, 1991, 85, 349-365.	6.6	76
143	Partitioned solution procedure for control-structure interaction simulations. Journal of Guidance, Control, and Dynamics, 1991, 14, 59-67.	2.8	9
144	Transient finite element computations on 65536 processors: The connection machine. International Journal for Numerical Methods in Engineering, 1990, 30, 27-55.	2.8	34

#	ARTICLE	IF	CITATIONS
145	Explicit-implicit staggered procedure for multibody dynamics analysis. Journal of Guidance, Control, and Dynamics, 1990, 13, 562-570.	2.8	41
146	Structural tailoring and feedback control synthesis - An interdisciplinary approach. Journal of Guidance, Control, and Dynamics, 1990, 13, 424-429.	2.8	82
147	Computational Issues in Control-Structure Interaction Analysis. Springer Series in Computational Mechanics, 1988, , 115-131.	0.3	3
148	Stabilization of computational procedures for constrained dynamical systems. Journal of Guidance, Control, and Dynamics, 1988, 11, 365-370.	2.8	104
149	Transient Analysis Methods in Computational Dynamics. Icase/nasa Larc Series, 1988, , 240-267.	0.2	2
150	Partitioned Procedures for Control-Structure Interaction Analysis. , 1988, , 1805-1808.		2
151	Solving structural mechanics problems on the caltech hypercube machine. Computer Methods in Applied Mechanics and Engineering, 1987, 61, 161-176.	6.6	37
152	Improved strain interpolation for curvedCÂ° elements. International Journal for Numerical Methods in Engineering, 1986, 22, 281-288.	2.8	17
153	A Curved CO Shell Element Based on Assumed Natural-Coordinate Strains. Journal of Applied Mechanics, Transactions ASME, 1986, 53, 278-290.	2.2	236
154	A Family of CO Shell Elements Based on Generalized Hrennikoffâ€™s Method and Assumed Natural-Coordinate Strains. , 1986, , 265-282.		1
155	A uniformly reduced, four-noded CO-shell element with consistent rank corrections. Computers and Structures, 1985, 20, 129-139.	4.4	17
156	A symbolic fourier synthesis of a one-point integrated quadrilateral plate element. Computer Methods in Applied Mechanics and Engineering, 1985, 48, 203-236.	6.6	22
157	A UNIFORMLY REDUCED, FOUR-NODED CO-SHELL ELEMENT WITH CONSISTENT RANK CORRECTIONS. , 1985, , 129-139.		0
158	Locking, spurious mechanisms, and pressure divergence in penalty finite element methods for Stokes flow problems. Computer Methods in Applied Mechanics and Engineering, 1984, 47, 315-330.	6.6	5
159	A Fourier analysis of spurious mechanisms and locking in the finite element method. Computer Methods in Applied Mechanics and Engineering, 1984, 46, 65-81.	6.6	39
160	An operational procedure for the symbolic analysis of the finite element method. Computer Methods in Applied Mechanics and Engineering, 1984, 42, 37-46.	6.6	23
161	Stabilization of partitioned solution procedure for pore fluid-soil interaction analysis. International Journal for Numerical Methods in Engineering, 1983, 19, 1669-1673.	2.8	70
162	Nonlinear Dynamic Phenomena in the Space Shuttle Thermal Protection System. Journal of Spacecraft and Rockets, 1982, 19, 269-277.	1.9	4

#	ARTICLE	IF	CITATIONS
163	An Improved Semi-Implicit Method for Structural Dynamics Analysis. Journal of Applied Mechanics, Transactions ASME, 1982, 49, 589-593.	2.2	8
164	Semi-implicit transient analysis procedures for structural dynamics analysis. International Journal for Numerical Methods in Engineering, 1982, 18, 609-622.	2.8	15
165	A family of solution algorithms for nonlinear structural analysis based on relaxation equations. International Journal for Numerical Methods in Engineering, 1982, 18, 1337-1347.	2.8	23
166	Stint/CD: A stand-alone explicit time integration package for structural dynamics analysis. International Journal for Numerical Methods in Engineering, 1981, 17, 1285-1312.	2.8	2
167	Partitioned Transient Analysis Procedures for Coupled-Field Problems: Accuracy Analysis. Journal of Applied Mechanics, Transactions ASME, 1980, 47, 919-926.	2.2	57
168	Staggered transient analysis procedures for coupled mechanical systems: Formulation. Computer Methods in Applied Mechanics and Engineering, 1980, 24, 61-111.	6.6	214
169	A variable-step central difference method for structural dynamics analysis- part 2. Implementation and performance evaluation. Computer Methods in Applied Mechanics and Engineering, 1980, 23, 259-279.	6.6	26
170	A variable-step central difference method for structural dynamics analysis " part 1. Theoretical aspects. Computer Methods in Applied Mechanics and Engineering, 1980, 22, 241-258.	6.6	56
171	Partitioned Transient Analysis Procedures for Coupled-Field Problems: Stability Analysis. Journal of Applied Mechanics, Transactions ASME, 1980, 47, 370-376.	2.2	115
172	Direct time integration methods in nonlinear structural dynamics. Computer Methods in Applied Mechanics and Engineering, 1979, 17-18, 277-313.	6.6	46
173	Computational Aspects of Time Integration Procedures in Structural Dynamics"Part 1: Implementation. Journal of Applied Mechanics, Transactions ASME, 1978, 45, 595-602.	2.2	30
174	Computational Aspects of Time Integration Procedures in Structural Dynamics"Part 2: Error Propagation. Journal of Applied Mechanics, Transactions ASME, 1978, 45, 603-611.	2.2	10
175	Practical aspects of numerical time integration. Computers and Structures, 1977, 7, 343-353.	4.4	75
176	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
177	An Improved Stiffly Stable Method for Direct Integration of Nonlinear Structural Dynamic Equations. Journal of Applied Mechanics, Transactions ASME, 1975, 42, 464-470.	2.2	210
178	A unified approach for local resolution of kinematic redundancy with inequality constraints and its application to nuclear power plant. , 0, , .		8
179	A Partitioned Formulation for FEM/BEM Coupling in Contact Problems Using Localized Lagrange Multipliers. Key Engineering Materials, 0, 618, 23-48.	0.4	0