Georgios E Stavroulakis

List of Publications by Year
in descending order

184 papers	1,920 citations	236925 25 h-index	330143 37 g-index
198 all docs	198 docs citations	198 times ranked	1320 citing authors

#	Article	IF	Citations
1	Modelling, identification and structural damage investigation of the Neoria monument in Chania. Developments in the Built Environment, 2022, 10, 100069.	4.0	2
2	Structural Investigation of Masonry Arch Bridges Using Various Nonlinear Finite-Element Models. Journal of Bridge Engineering, 2022, 27, .	2.9	7
3	Shunted piezoelectric patches on auxetic microstructures for the enhancement of band gaps. Archive of Applied Mechanics, 2021, 91, 739-751.	2.2	7
4	Optimization and analysis of frequencies of multi-scale graphene/fibre reinforced nanocomposite laminates with non-uniform distributions of reinforcements. Engineering Structures, 2021, 228, 111525.	5.3	19
5	Application of Adaptive Neurofuzzy Control in the Field of Credit Insurance. Advances in Finance, Accounting, and Economics, 2021, , 201-222.	0.3	0
6	Data-driven Computational Homogenization Using Neural Networks. Journal on Computing and Cultural Heritage, 2021, 14, 1-19.	2.1	6
7	Special Issue of the 10th German–Greek–Polish symposium on "Recent Advances in Mechanics" 2019. Archive of Applied Mechanics, 2021, 91, 543-544.	2.2	0
8	A Numerical Study on Computational Time Reversal for Structural Health Monitoring. Signals, 2021, 2, 225-244.	1.9	2
9	Structural investigation of Mnajdra megalithic monument in Malta. Journal of Cultural Heritage, 2020, 41, 96-105.	3.3	9
10	Improved Source Characteristics of a Handclap for Acoustic Measurements: Utilization of a Leather Glove. Acoustics, 2020, 2, 803-811.	1.4	2
11	Handclap for Acoustic Measurements: Optimal Application and Limitations. Acoustics, 2020, 2, 224-245.	1.4	9
12	Mathematical Models with Buckling and Contact Phenomena for Elastic Plates: A Review. Mathematics, 2020, 8, 566.	2.2	2
13	Springback Prediction in Sheet Metal Forming, Based on Finite Element Analysis and Artificial Neural Network Approach. Applied Mechanics, 2020, 1, 97-110.	1.5	21
14	Neuro-fuzzy Techniques and Natural Risk Management. Applications of ANFIS Models in Floods and Comparison with Other Models. Springer Tracts in Civil Engineering, 2020, , 169-189.	0.5	2
15	Finite Element Method for the Estimation of Insertion Loss of Noise Barriers: Comparison with Various Formulae (2D). Urban Science, 2020, 4, 77.	2.3	12
16	Collapse Prediction and Safety of Masonry Arches. Springer Tracts in Civil Engineering, 2020, , 191-201.	0.5	0
17	Shunt Piezoelectric Systems for Noise and Vibration Control: A Review. Frontiers in Built Environment, 2019, 5, .	2.3	44
18	Dynamic Morphing of Smart Trusses and Mechanisms Using Fuzzy and Neuro-Fuzzy Techniques. Frontiers in Built Environment, 2019, 5, .	2.3	2

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19	Conventional and star-shaped auxetic materials for the creation of band gaps. Archive of Applied Mechanics, 2019, 89, 2545-2562.	2.2	35
20	Review of Acoustic Sources Alternatives to a Dodecahedron Speaker. Applied Sciences (Switzerland), 2019, 9, 3705.	2.5	28
21	Fuzzy Control Simulation of a Smart Irrigation System. Springer Earth System Sciences, 2019, , 355-370.	0.2	0
22	Electric Car Chassis for Shell Eco Marathon Competition: Design, Modelling and Finite Element Analysis. World Electric Vehicle Journal, 2019, 10, 8.	3.0	10
23	Optimal Design of Smart Composites. Springer Optimization and Its Applications, 2019, , 185-217.	0.9	3
24	Investigation of the Structural Response of Masonry Structures. Communications in Computer and Information Science, 2019, , 143-156.	0.5	0
25	Fuzzy and Neuro-fuzzy Control for Smart Structures. Springer Optimization and Its Applications, 2019, , 75-103.	0.9	3
26	Optimised ultrafast lightweight design and finite element modelling of a CFRP monocoque electric car chassis. International Journal of Electric and Hybrid Vehicles, 2019, 11, 255.	0.3	6
27	Uncertainty sources in the structural assessment of masonry arch bridges: a case study of a single-span stone arch bridge. IABSE Symposium Report, 2019, , .	0.0	0
28	Novelty of Frequency Domain Data in Smart Structures using Î¼-Analysis. European Journal of Engineering Research and Science, 2019, 4, 131-138.	0.3	0
29	Non-linear finite element analysis of a fire protected steel connection. , 2019, , 1915-1920.		0
30	Identification of Smart Structures with Robust Control under Stochastic Excitation. European Journal of Engineering Research and Science, 2019, 4, 155-161.	0.3	0
31	Nonlinear discrete-time multirate adaptive control of non-linear vibrations of smart beams. Journal of Sound and Vibration, 2018, 423, 484-519.	3.9	5
32	Low Cost Omnidirectional Sound Source Utilizing a Common Directional Loudspeaker for Impulse Response Measurements. Applied Sciences (Switzerland), 2018, 8, 1703.	2.5	15
33	Investigation of the structural behaviour of a masonry castle by considering the actual damage. International Journal of Masonry Research and Innovation, 2018, 3, 1.	0.4	6
34	Parameter identification for damaged condition investigation on masonry arch bridges using a Bayesian approach. Engineering Structures, 2018, 172, 275-284.	5.3	31
35	Lightweight Design and Welding Manufacturing of a Hydrogen Fuel Cell Powered Carâ€™s Chassis. Challenges, 2018, 9, 25.	1.7	3
36	A computational homogenization approach for the study of localization of masonry structures using the XFEM. Archive of Applied Mechanics, 2018, 88, 2135-2152.	2.2	5

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37	Metamodeling-Assisted Numerical Homogenization for Masonry and Cracked Structures. Journal of Engineering Mechanics - ASCE, 2018, 144, .	2.9	4
38	Investigation of the structural behaviour of a masonry castle by considering the actual damage. International Journal of Masonry Research and Innovation, 2018, 3, 1.	0.4	0
39	LCA of timber and steel buildings with fuzzy variables uncertainty quantification. European Journal of Environmental and Civil Engineering, 2017, 21, 1128-1150.	2.1	10
40	Effectiveness of optimized fuzzy controllers on partially delaminated piezocomposites. Acta Mechanica, 2017, 228, 1373-1392.	2.1	6
41	A semi-automatic algorithm for reconstruction and NURBS surface generation of thoracic aorta. , 2017, , .		1
42	Machine Learning and Optimality in Multi Storey Reinforced Concrete Frames. Infrastructures, 2017, 2, 6.	2.8	5
43	Adaptive Neuro-Fuzzy vibration control of a smart plate. Numerical Algebra, Control and Optimization, 2017, 7, 251-271.	1.6	5
44	Inverse analysis of masonry arch bridges for damaged condition investigation: Application on Kakodiki bridge. Engineering Structures, 2016, 127, 388-401.	5.3	26
45	Detection of defective pile geometries using a coupled FEM/SBFEM approach and an ant colony classification algorithm. Acta Mechanica, 2016, 227, 1279-1291.	2.1	8
46	A genetically optimized neural classifier applied to numerical pile integrity tests considering concrete piles. Computers and Structures, 2016, 162, 68-79.	4.4	33
47	Modelling and strength evaluation of masonry bridges using terrestrial photogrammetry and finite elements. Advances in Engineering Software, 2016, 101, 136-148.	3.8	60
48	Fine tuning of a fuzzy controller for vibration suppression of smart plates using genetic algorithms. Advances in Engineering Software, 2016, 101, 123-135.	3.8	29
49	OPTIMAL CONTROL TUNNING IN SMART STRUCTURES WITH DELAMINATIONS. , 2016, , .		1
50	SHAKEDOWN ANALYSIS OF PLATE BENDING UNDER STOCHASTIC UNCERTAINTY BY CHANCE CONSTRAINED PROGRAMMING. , 2016, , .		2
51	Inverse Analysis. , 2016, , .		3
52	UNCERTAINTY OF MODELS IN INTELLIGENT SYSTEMS UNDER STOCHASTIC LOADING. , 2016, , .		0
53	Time domain finite element method for the calculation of impulse response of enclosed spaces. Room acoustics application. AIP Conference Proceedings, 2015, , .	0.4	5
54	Inverse Problems in Structural Engineering. Mathematical Problems in Engineering, 2015, 2015, 1-1.	1.1	0

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55	Hybrid control of vibrations of a smart von KÃ¡rmÃ¡n plate. Acta Mechanica, 2015, 226, 3463-3475.	2.1	5
56	Life Cycle Analysis and Optimization of a Timber Building. Energy Procedia, 2015, 83, 41-49.	1.8	11
57	Life Cycle Analysis and Optimization of a Steel Building. Computational Methods in Applied Sciences (Springer), 2015, , 385-398.	0.3	2
58	Failure Behavior of a Top and Seat Angle Bolted Steel Connection with Double Web Angles. Journal of Structural Engineering, 2015, 141, 04014172.	3.4	9
59	Design and verification of auxetic microstructures using topology optimization and homogenization. Archive of Applied Mechanics, 2015, 85, 1289-1306.	2.2	29
60	Fuzzy control optimized by a Multi-Objective Differential Evolution algorithm for vibration suppression of smart structures. Computers and Structures, 2015, 147, 126-137.	4.4	37
61	Optimization of Design Parameters for Active Control of Smart Piezoelectric Structures. Springer Proceedings in Mathematics and Statistics, 2015, , 335-348.	0.2	0
62	NUMERICAL ANALYSIS OF MASONRY STRUCTURES, TAKING INTO ACCOUNT MEASURED GEOMETRIC AND MATERIAL DATA. , 2015, , .		0
63	Nonlinear Time Spectral Analysis for a Dynamic Contact Model with Buckling for an Elastic Plate. Key Engineering Materials, 2014, 618, 227-239.	0.4	1
64	Innovation in Active Vibration Control Strategy of Intelligent Structures. Journal of Applied Mathematics, 2014, 2014, 1-14.	0.9	1
65	A multi-scale computational method including contact for the analysis of damage in composite materials. Computational Materials Science, 2014, 95, 522-535.	3.0	16
66	Fuzzy Vibration Control of a Smart Plate. International Journal for Computational Methods in Engineering Science and Mechanics, 2013, 14, 212-220.	2.1	14
67	Actuator Location and Voltages Optimization for Shape Control of Smart Beams Using Genetic Algorithms. Actuators, 2013, 2, 111-128.	2.3	21
68	Postbuckling Behaviour of a Rectangular Plate Surrounded by Nonlinear Elastic Supports. Lecture Notes in Applied and Computational Mechanics, 2013, , 189-204.	2.2	1
69	Systematic Formulation of Model Uncertainties and Robust Control in Smart Structures Using H âˆž and Î¼-Analysis. Computational Methods in Applied Sciences (Springer), 2013, , 179-202.	0.3	0
70	DISCRETE OPTIMIZATION APPROACH FOR STEEL FRAMES AND TRUSSES, BASED ON GENETIC ALGORITHM. , 2013, , .		0
71	Modeling of Active Vibration Control in Smart Structures. Journal of Civil Engineering and Science, 2013, 2, 48-61.	0.1	0
72	Topology optimization for compliant mechanisms, using evolutionary-hybrid algorithms and application to the design of auxetic materials. Composites Part B: Engineering, 2012, 43, 2655-2668.	12.0	53

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73	Optimal design of plane trusses using material forces. Composites Part B: Engineering, 2012, 43, 2669-2675.	12.0	1
74	Buckling and postbuckling analysis of rectangular plates resting on elastic foundations with the use of the spectral method. Computer Methods in Applied Mechanics and Engineering, 2012, 205-208, 213-220.	6.6	8
75	Thermal–stress analysis of a three-dimensional end-plate steel joint. Construction and Building Materials, 2012, 29, 619-626.	7.2	13
76	3D Finite element analysis of end - plate steel joints. Steel and Composite Structures, 2012, 12, 93-115.	1.3	9
77	Fuzzy control optimized by a Multi-Objective Particle Swarm Optimization algorithm for vibration suppression of smart structures. Structural and Multidisciplinary Optimization, 2011, 43, 29-42.	3.5	52
78	Vibration control of beams with piezoelectric sensors and actuators using particle swarm optimization. Expert Systems With Applications, 2011, 38, 6872-6883.	7.6	57
79	Fuzzy control optimized by PSO for vibration suppression of beams. Control Engineering Practice, 2010, 18, 618-629.	5.5	78
80	Unilateral cracks: classical, multi-region and dual BEM formulation. WIT Transactions on State-of-the-art in Science and Engineering, 2010, , 243-254.	0.0	2
81	Numerical analysis of an elasto–piezoelectric problem with damage. International Journal for Numerical Methods in Engineering, 2009, 77, 261-284.	2.8	4
82	Buckling Simulation of a Plate Embedded in a Unilaterally Supported Environment. Mechanics Based Design of Structures and Machines, 2009, 37, 349-370.	4.7	8
83	Two non-linear finite element models developed for the assessment of failure of masonry arches. Comptes Rendus - Mecanique, 2008, 336, 42-53.	2.1	34
84	Numerical analysis of a quasistatic piezoelectric problem with damage. Comptes Rendus - Mecanique, 2008, 336, 559-564.	2.1	0
85	Influence of the geometry and the abutments movement on the collapse of stone arch bridges. Construction and Building Materials, 2008, 22, 200-210.	7.2	32
86	Soft computing techniques in parameter identification and probabilistic seismic analysis of structures. Advances in Engineering Software, 2008, 39, 612-624.	3.8	19
87	Quasidifferentiable Optimization: Calculus of Quasidifferentials. , 2008, , 3190-3194.		1
88	Quasidifferentiable Optimization: Codifferentiable Functions. , 2008, , 3194-3197.		1
89	Effective Dynamic Material Properties for Materials with Non-Convex Microstructures. Computational Methods in Applied Sciences (Springer), 2008, , 47-65.	0.3	2
90	Hemivariational Inequalities: Applications in Mechanics. , 2008, , 1476-1483.		0

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91	Multilevel Optimization in Mechanics. , 2008, , 2428-2437.		0
92	Nonconvex Energy Functions: Hemivariational Inequalities. , 2008, , 2571-2578.		0
93	Quasidifferentiable Optimization. , 2008, , 3171-3175.		0
94	Quasidifferentiable Optimization: Algorithms for Hypodifferentiable Functions. , 2008, , 3175-3178.		0
95	Quasidifferentiable Optimization: Applications. , 2008, , 3184-3187.		0
96	Quasidifferentiable Optimization: Applications to Thermoelasticity. , 2008, , 3187-3190.		0
97	Quasidifferentiable Optimization: Dini Derivatives, Clarke Derivatives. , 2008, , 3197-3200.		0
98	Quasidifferentiable Optimization: Stability of Dynamic Systems. , 2008, , 3213-3217.		0
99	Quasidifferentiable Optimization: Variational Formulations. , 2008, , 3217-3221.		0
100	Quasivariational Inequalities. , 2008, , 3221-3226.		0
101	The projective–iterative method and neural network estimation for buckling of elastic plates in nonlinear theory. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 1068-1088.	3.3	6
102	FRP reinforcement of stone arch bridges: Unilateral contact models and limit analysis. Composites Part B: Engineering, 2007, 38, 144-151.	12.0	33
103	A unilateral contact model with buckling in von Kármán plates. Nonlinear Analysis: Real World Applications, 2007, 8, 1261-1271.	1.7	16
104	Application of neural networks for the structural health monitoring in curtain-wall systems. Engineering Structures, 2007, 29, 3475-3484.	5.3	32
105	Dynamic frictional contact of a viscoelastic beam. ESAIM: Mathematical Modelling and Numerical Analysis, 2006, 40, 295-310.	1.9	5
106	Limit analysis of a single span masonry bridge with unilateral frictional contact interfaces. Engineering Structures, 2006, 28, 1864-1873.	5.3	81
107	Shape control and damage identification of beams using piezoelectric actuation and genetic optimization. International Journal of Engineering Science, 2006, 44, 409-421.	5.0	49
108	Robust active control against wind-induced structural vibrations. Journal of Wind Engineering and Industrial Aerodynamics, 2006, 94, 895-907.	3.9	24

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109	Defect identification in 3-D elastostatics using a genetic algorithm. Optimization and Engineering, 2006, 7, 63-79.	2.4	13
110	Crack and flaw identification in elastodynamics using Kalman filter techniques. Computational Mechanics, 2006, 37, 249-265.	4.0	10
111	Solvability and limit analysis of masonry bridges. , 2006, , 389-390.		0
112	Applied Nonsmooth Mechanics of Deformable Bodies. , 2006, , 275-314.		1
113	Design and robust optimal control of smart beams with application on vibrations suppression. Advances in Engineering Software, 2005, 36, 806-813.	3.8	63
114	Passive control of bridges: The double cable net method. Engineering Structures, 2005, 27, 1835-1842.	5.3	4
115	A variational inequality approach to thermoviscoelasticity with monotone unilateral boundaries of kinematical and thermal type. Nonlinear Analysis: Theory, Methods & Applications, 2004, 57, 743-771.	1.1	2
116	Schadenserkennung mit genetischen Algorithmen. Proceedings in Applied Mathematics and Mechanics, 2003, 2, 467-468.	0.2	0
117	Crack Identification as an Optimization Task. Proceedings in Applied Mathematics and Mechanics, 2003, 3, 511-512.	0.2	1
118	Inverse Analysis. , 2003, , 685-718.		17
119	Classical and Unilateral Contact Analysis in Statics and Dynamics. , 2003, , 205-244.		1
120	Global optimization for crack identification: impact-echo experiments. Network Optimization Problems: Algorithms, Applications and Complexity, 2002, , 317-331.	0.1	0
121	Transient dynamic analysis in layered structures with unilateral interfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 2541-2555.	3.4	1
122	Computational nonsmooth mechanics: variational and hemivariational inequalities. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 5113-5124.	1.1	10
123	Inverse and Crack Identification Problems in Engineering Mechanics. Applied Optimization, 2001, , .	0.4	29
124	Transient Dynamics. Applied Optimization, 2001, , 187-223.	0.4	1
125	Computational Mechanics. Applied Optimization, 2001, , 11-54.	0.4	0
126	Selected Soft Computing Tools. Applied Optimization, 2001, , 85-104.	0.4	0

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127	Direct and Inverse Problems in Mechanics and Applications. Applied Optimization, 2001, , 3-7.	0.4	0
128	Computational and Structural Optimization. Applied Optimization, 2001, , 55-83.	0.4	0
129	Nonconvexity in Plasticity and Damage Models: Appearance and Numerical Treatment. Nonconvex Optimization and Its Applications, 2001, , 297-310.	0.1	0
130	Optimal Design and Identification Problems in Nonsmooth Mechanics. Nonconvex Optimization and Its Applications, 2001, , 391-410.	0.1	0
131	Static Problems. Applied Optimization, 2001, , 107-155.	0.4	0
132	A complementarity problem formulation of the frictional grasping problem. Computer Methods in Applied Mechanics and Engineering, 2000, 190, 941-952.	6.6	9
133	Nonlinear equation approach for inequality elastostatics: a two-dimensional BEM implementation. Computers and Structures, 2000, 75, 631-646.	4.4	13
134	Unilateral Crack Identification: A Filter-Driven, Iterative, Boundary Element Approach. Journal of Global Optimization, 2000, 17, 339-352.	1.8	10
135	A multiblock unilateral concept for passive control of prestressed bridges. Structural and Multidisciplinary Optimization, 2000, 19, 225-236.	3.5	3
136	Hemivariational Inequality Modeling of Hybrid Laminates with Unidirectional Composite Constituents. AIAA Journal, 2000, 38, 680-686.	2.6	1
137	QD and DC Optimization for Pseudoelastic Modeling of Shape Memory Alloys. Nonconvex Optimization and Its Applications, 2000, , 215-233.	0.1	2
138	Optimal material design in composites: An iterative approach based on homogenized cells. Computer Methods in Applied Mechanics and Engineering, 1999, 169, 31-42.	6.6	29
139	Transient elastodynamics around cracks including contact and friction. Computer Methods in Applied Mechanics and Engineering, 1999, 177, 427-440.	6.6	20
140	Normal forms and stability in nonsmooth potential elastostatics. Mechanics Research Communications, 1999, 26, 185-190.	1.8	3
141	Nonlinear boundary equation approach for inequality 2-D elastodynamics. Engineering Analysis With Boundary Elements, 1999, 23, 487-501.	3.7	7
142	Impact-echo from a unilateral interlayer crack. LCP–BEM modelling and neural identification. Engineering Fracture Mechanics, 1999, 62, 165-184.	4.3	24
143	Neural crack identification in steady state elastodynamics. Computer Methods in Applied Mechanics and Engineering, 1998, 165, 129-146.	6.6	18
144	Quasidifferential modelling of adhesive contact. Mathematical and Computer Modelling, 1998, 28, 455-467.	2.0	0

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145	Optimal Structural Design in Nonsmooth Mechanics. Nonconvex Optimization and Its Applications, 1998, , 91-115.	0.1	3
146	Flaw identification in elastomechanics: BEM simulation with local and genetic optimization. Structural Optimization, 1998, 16, 162.	0.6	6
147	Crack detection in elastostatics and elastodynamics. A bem modellingâ€"Neural network approach. , 1998, , 81-90.		6
148	Modelling prestress restoration of buildings by general purpose structural analysis and optimization software, the optimization module of MSC/NASTRAN. Computers and Structures, 1997, 62, 81-92.	4.4	10
149	A prestressed tendon based passive control system for bridges. Computers and Structures, 1997, 63, 1165-1175.	4.4	8
150	Difference convex optimization techniques in nonsmooth computational mechanics. Optimization Methods and Software, 1996, 7, 57-81.	2.4	8
151	Nonsmooth computational mechanics algorithms, quasidifferentiability and related topics. Advances in Engineering Software, 1996, 26, 171-184.	3.8	2
152	Quasidifferentiability and Nonsmooth Modelling in Mechanics, Engineering and Economics. Nonconvex Optimization and Its Applications, 1996, , .	0.1	134
153	Nonsmooth Mechanics I. Nonconvex Optimization and Its Applications, 1996, , 93-137.	0.1	13
154	Nonsmooth Mechanics II. Nonconvex Optimization and Its Applications, 1996, , 139-176.	0.1	1
155	Additional Topics. Nonconvex Optimization and Its Applications, 1996, , 177-203.	0.1	0
156	Nonsmooth Computational Mechanics. Nonconvex Optimization and Its Applications, 1996, , 297-344.	0.1	0
157	Optimal structural design via optimality criteria as a nonsmooth mechanics problem. Computers and Structures, 1995, 55, 761-772.	4.4	5
158	Optimal prestress of cracked unilateral structures: finite element analysis of an optimal control problem for variational inequalities. Computer Methods in Applied Mechanics and Engineering, 1995, 123, 231-246.	6.6	28
159	Numerical Treatment of Nonmonotone Quasi-Static Frictional Contact Problems Via D.C. Energy Decomposition and Multiphase Methods. , 1995, , 57-61.		0
160	A new class of multilevel decomposition algorithms for non monotone problems based on the quasidifferentiability concept. Computer Methods in Applied Mechanics and Engineering, 1994, 117, 289-307.	6.6	12
161	A Linear Complementarity Approach to the Frictionless Gripper Problem. International Journal of Robotics Research, 1992, 11, 112-122.	8.5	23
162	On the rigid body displacements and rotations in unilateral contact problems and applications. Computers and Structures, 1991, 40, 599-614.	4.4	50

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163	Contact between Adjacent Structures. Journal of Structural Engineering, 1991, 117, 2838-2850.	3.4	11
164	Interfacial debonding in composites via mathematical programming methods; the material inclusion problem for lubricated and non-lubricated interfaces. Computers and Structures, 1990, 34, 735-752.	4.4	6
165	Sea-bed-structure interaction in the presence of frictional effects for submarine pipelines. Computers and Structures, 1986, 24, 767-775.	4.4	11
166	Robust H/sub 2/ vibration control of beams with piezoelectric sensors and actuators. , 0, , .		5
167	Robust control of smart beams in the presence of damage-induced structural uncertainties. , 0, , .		3
168	Implementation of Eurocode Load Cases in Optimization Problems of Steel Frames, Based on Genetic Algorithms. Applied Mechanics and Materials, 0, 310, 609-613.	0.2	1
169	Simulation of the Transient Behavior of Matter with Characteristic Geometrical Variations &amp; Defects Irradiated by Nanosecond Laser Pulses Using FEA. Key Engineering Materials, 0, 665, 157-160.	0.4	1
170	Mechanical Behaviour of Auxetic Microstructures Using Contact Mechanics and Elastoplasticity. Key Engineering Materials, 0, 681, 100-116.	0.4	3
171	Life Cycle Assessment of a Steel-Framed Residential Building. , 0, , .		3
172	Design and Testing of Fuzzy Controllers on Smart Structures in the Presence of Delamination. , 0, , .		1
173	Neurofuzzy Control for Smart Structures. Computational Science, Engineering and Technology Series, 0, , 149-172.	0.2	5
174	Nature Inspired Algorithms for the Vibration Control of Beams with Piezoelectric Sensors and Actuators. , 0, , 129-156.		0
175	Modeling with Uncertainty and Robust Control of Smart Beams. , 0, , .		1
176	Optimization of Piezoelectric Patches in Smart Structures using Multi-Objective Genetic Algorithms. , 0, , .		0
177	Computational Homogenization in Masonry Structures. , 0, , .		0
178	Integrated Modeling and Evaluation of Masonry Bridges using Terrestrial Photogrammetry. , 0, , .		0
179	Fuzzy Control for Vibration Suppression of Smart Plates. , 0, , .		0
180	Particle Swarm Optimization Approach for Fuzzy Control of Smart Structures. , 0, , .		0

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181	Energy Harvesting using Piezoelectric Materials on Smart Composite Structures. , 0, , .		0
182	Robust Control in Smart Structures using the Hinfinity Criterion and m-Analysis. , 0, , .		0
183	Unilateral Analysis and Damage Identification in Masonry Structures. , 0, , .		0
184	A Differential Evolution Algorithm for Fuzzy Control of Smart Structures. , 0, , .		0