Shaker A Meguid

List of Publications by Year
in descending order

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167 papers	5,252 citations	87888 38 h-index	106344 65 g-index
171 all docs	171 docs citations	171 times ranked	3822 citing authors

#	Article	IF	Citations
1	Electro-mechanical performance of smart piezoelectric nanocomposite plates reinforced by zinc oxide and gallium nitride nanowires. Mechanics Based Design of Structures and Machines, 2022, 50, 1954-1967.	4.7	28
2	Development of novel icephobic surfaces using siloxane-modified epoxy nanocomposites. Chemical Engineering Journal, 2022, 433, 133637.	12.7	17
3	Synergistic effect of surface-flexoelectricity on electromechanical response of BN-based nanobeam. International Journal of Mechanics and Materials in Design, 2022, 18, 3-19.	3.0	13
4	Aeroelastic behaviour of a flexible morphing wing design for unmanned aerial vehicle. Acta Mechanica, 2022, 233, 851.	2.1	1
5	Multiphysics-Multiphase Modeling of Supercooled Droplets Impinging Superhydrophobic and Icephobic Surfaces. International Journal of Multiphase Flow, 2022, , 104101.	3.4	3
6	Advances in the development of superhydrophobic and icephobic surfaces. International Journal of Mechanics and Materials in Design, 2022, 18, 509-547.	3.0	9
7	Thermomechanical fracture behaviour of interacting microdefects in thermal barrier coatings. Acta Mechanica, 2022, 233, 2485-2503.	2.1	1
8	Wrinkling prediction of laminated composite panels under in-plane shear deformation. Acta Mechanica, 2021, 232, 57-72.	2.1	4
9	Containment of blade shedding in gas turbine engines: part IIâ€”experimental and numerical investigations. International Journal of Mechanics and Materials in Design, 2021, 17, 13-24.	3.0	4
10	Containment of blade shedding in gas turbine engines: part Iâ€”design and development of a scaled down test rig. International Journal of Mechanics and Materials in Design, 2021, 17, 3-12.	3.0	4
11	Dynamics of precision-guided projectile launch: fluidâ€“structure interaction. Acta Mechanica, 2021, 232, 1147-1161.	2.1	4
12	Editorial: message from the editor-in-chief. International Journal of Mechanics and Materials in Design, 2021, 17, 1-2.	3.0	5
13	Elasto-plastic behaviour of cantilever beams containing varied stress concentration cut out features. International Journal of Mechanics and Materials in Design, 2021, 17, 453-462.	3.0	1
14	Containment and Arrest of Blade Shedding in Gas Turbine Engines Using Novel Dual-Ring Design. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	0
15	Electro-elastic field of a piezoelectric quasicrystal medium containing two cylindrical inclusions. Acta Mechanica, 2021, 232, 2513-2533.	2.1	5
16	Dynamic behaviour of pretwisted metal matrix composite blades. Composite Structures, 2021, 268, 113947.	5.8	11
17	Survivability of embedded microelectronics in precision guided projectiles: Modeling and characterization. International Journal of Impact Engineering, 2021, 154, 103864.	5.0	4
18	Effect of surface topology on the wettability of superhydrophobic surfaces. Journal of Dispersion Science and Technology, 2020, 41, 470-478.	2.4	10

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19	Modeling and characterisation of depletion of aluminium in bond coat and growth of mixed oxides in thermal barrier coatings. International Journal of Mechanics and Materials in Design, 2020, 16, 667-683.	3.0	4
20	Coupled molecular dynamics-Monte Carlo modeling of gold nanowire surface fasteners. Applied Surface Science, 2020, 507, 145183.	6.1	5
21	Atomistic treatment of periodic gold nanowire array nanofasteners under shear loading. Nanotechnology, 2020, 31, 105704.	2.6	6
22	Dynamics of Precision Guided Projectile Launch: Solidâ€“Solid Interaction. International Journal of Structural Stability and Dynamics, 2020, 20, 2043001.	2.4	4
23	Potential of combating transmission of COVID-19 using novel self-cleaning superhydrophobic surfaces: part IIâ€”thermal, chemical, and mechanical durability. International Journal of Mechanics and Materials in Design, 2020, 16, 433-441.	3.0	7
24	Potential of combating transmission of COVID-19 using novel self-cleaning superhydrophobic surfaces: part Iâ€”protection strategies against fomites. International Journal of Mechanics and Materials in Design, 2020, 16, 423-431.	3.0	39
25	Development of novel superhydrophobic coatings using siloxane-modified epoxy nanocomposites. Chemical Engineering Journal, 2020, 398, 125403.	12.7	100
26	Partially debonded circular inclusion in one-dimensional quasicrystal material with piezoelectric effect. International Journal of Mechanics and Materials in Design, 2020, 16, 749-766.	3.0	11
27	Modeling and characterization of bilayer containment ring in gas turbine engine. International Journal for Computational Methods in Engineering Science and Mechanics, 2020, 21, 96-108.	2.1	5
28	Dynamic behavior of novel nanocomposite diaphragm in piezoelectrically-actuated micropump. Smart Materials and Structures, 2019, 28, 105022.	3.5	19
29	Modeling of CNT-reinforced nanocomposite with complex morphologies using modified embedded finite element technique. Composite Structures, 2019, 227, 111329.	5.8	20
30	Comprehensive molecular dynamics studies of the ballistic resistance of multilayer graphene-polymer composite. Computational Materials Science, 2019, 170, 109171.	3.0	40
31	Multifunctional Silicaâ€“Silicone Nanocomposite with Regenerative Superhydrophobic Capabilities. ACS Applied Materials & Interfaces, 2019, 11, 42827-42837.	8.0	39
32	Dynamic behavior of novel micro fuel pump using zinc oxide nanocomposite diaphragm. Sensors and Actuators A: Physical, 2019, 297, 111528.	4.1	12
33	Electro-dynamic analysis of smart nanoclay-reinforced plates with integrated piezoelectric layers. Applied Mathematical Modelling, 2019, 75, 267-278.	4.2	30
34	Nonlinear multibody dynamics and finite element modeling of occupant response: part Iâ€”rear vehicle collision. International Journal of Mechanics and Materials in Design, 2019, 15, 3-21.	3.0	2
35	Nonlinear multibody dynamics and finite element modeling of occupant response: part IIâ€”frontal and lateral vehicle collisions. International Journal of Mechanics and Materials in Design, 2019, 15, 23-41.	3.0	3
36	Modeling size-dependent thermoelastic energy dissipation of graphene nanoresonators using nonlocal elasticity theory. Acta Mechanica, 2019, 230, 771-785.	2.1	22

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37	Atomistic modelling of crack-inclusion interaction in graphene. Engineering Fracture Mechanics, 2018, 195, 92-103.	4.3	13
38	Nonlinear transient dynamic response of a blade subject to a pulsating load in a decaying centrifugal force field. International Journal of Mechanics and Materials in Design, 2018, 14, 709-728.	3.0	10
39	Kinematically admissible folding mechanisms for the progressive collapse of foam filled conical frusta. International Journal of Mechanics and Materials in Design, 2018, 14, 105-126.	3.0	14
40	Effect of seat belt and head restraint on occupantâ€™s response during rear-end collision. International Journal of Mechanics and Materials in Design, 2018, 14, 231-242.	3.0	11
41	Hybrid molecular dynamicsâ€“finite element simulations of the elastic behavior of polycrystalline graphene. International Journal of Mechanics and Materials in Design, 2018, 14, 551-563.	3.0	10
42	Tailoring fracture strength of graphene. Computational Materials Science, 2018, 141, 114-121.	3.0	33
43	Characterization and atomistic modeling of the effect of water absorption on the mechanical properties of thermoset polymers. Acta Mechanica, 2018, 229, 745-761.	2.1	17
44	Effect of interfacial friction and fold penetration on the progressive collapse of foam-filled frustum using kinematically admissible model. International Journal of Crashworthiness, 2018, 23, 581-592.	1.9	5
45	Analytical modeling of the coupled nonlinear free vibration response of a rotating blade in a gas turbine engine. Acta Mechanica, 2018, 229, 3355-3373.	2.1	15
46	A critical study of the parameters governing molecular dynamics simulations of nanostructured materials. Computational Materials Science, 2018, 153, 183-199.	3.0	21
47	Atomistic Modelling of Nanoindentation of Multilayered Graphene-Reinforced Nanocomposites. , 2018, , 39-70.		3
48	Molecular Dynamics Studies of Load Transfer in Nanocomposites Reinforced by Defective Carbon Nanotube. , 2018, , 71-121.		0
49	Complete morphing wing design using flexible-rib system. International Journal of Mechanics and Materials in Design, 2017, 13, 159-171.	3.0	36
50	Molecular dynamics simulations of the effect of waviness and agglomeration of CNTs on interface strength of thermoset nanocomposites. Physical Chemistry Chemical Physics, 2017, 19, 4426-4434.	2.8	55
51	Piezoelectricity of 2D nanomaterials: characterization, properties, and applications. Semiconductor Science and Technology, 2017, 32, 043006.	2.0	49
52	Atomistic modeling of out-of-plane deformation of a propagating Griffith crack in graphene. Acta Mechanica, 2017, 228, 3063-3075.	2.1	20
53	Nonlinear vibration analysis of a microbeam subject to electrostatic force. Acta Mechanica, 2017, 228, 1343-1361.	2.1	4
54	Dynamic behavior of micro-resonator under alternating current voltage. International Journal of Mechanics and Materials in Design, 2017, 13, 481-497.	3.0	5

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55	Crush behaviour of foam-filled thin-walled conical frusta: analytical, numerical and experimental studies. Acta Mechanica, 2016, 227, 3391-3406.	2.1	16
56	Snap-Through Buckling of Micro/Nanobeams in Bistable Micro/Nanoelectromechanical Systems. , 2016, , 235-263.		2
57	Multiscale Modeling of Nanoreinforced Composites. , 2016, , 1-39.		1
58	Accurate and consistent FE modelling of soft docking of micro/nano paired-satellites using variational inequalities. International Journal of Mechanics and Materials in Design, 2016, 12, 509-523.	3.0	4
59	Multiscale modeling of the effect of waviness and agglomeration of CNTs on the elastic properties of nanocomposites. Computational Materials Science, 2016, 117, 195-204.	3.0	68
60	Asymmetric bifurcation of thermally and electrically actuated functionally graded material microbeam. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150597.	2.1	11
61	Multiphysics modeling and characterization of explosively loaded aluminum blocks. Acta Mechanica, 2016, 227, 707-720.	2.1	2
62	Composition-dependent buckling behaviour of hybrid boron nitrideâ€“carbon nanotubes. Physical Chemistry Chemical Physics, 2015, 17, 12796-12803.	2.8	20
63	Snap-through buckling of initially curved microbeam subject to an electrostatic force. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150072.	2.1	25
64	On the parameters which govern the symmetric snap-through buckling behavior of an initially curved microbeam. International Journal of Solids and Structures, 2015, 66, 77-87.	2.7	24
65	Asymmetric Bifurcation of Initially Curved Nanobeam. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	2.2	7
66	Finite Element Modeling of Shot Peening Residual Stress Relaxation in Turbine Disk Assemblies. Journal of Engineering Materials and Technology, Transactions of the ASME, 2015, 137, .	1.4	14
67	Effect of carbon nanotube waviness on active damping of laminated hybrid composite shells. Acta Mechanica, 2015, 226, 2035-2052.	2.1	52
68	Multiscale modeling of carbon nanotube epoxy composites. Polymer, 2015, 70, 149-160.	3.8	138
69	Analytical viscoelastic modelling of whiplash using lumped-parameter approach. International Journal of Mechanics and Materials in Design, 2015, 11, 125-137.	3.0	4
70	Mechanical performance of integrally bonded copper coatings for the long term disposal of used nuclear fuel. Nuclear Engineering and Design, 2015, 293, 403-412.	1.7	48
71	Effect of initial surface finish on effectiveness of shot peening treatment using enhanced periodic cell model. International Journal of Mechanics and Materials in Design, 2015, 11, 463-478.	3.0	24
72	Shear Lag Model for Regularly Staggered Short Fuzzy Fiber Reinforced Composite. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	28

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73	Effective Mitigation of Shock Loads in Embedded Electronic Packaging Using Bilayered Potting Materials. Journal of Electronic Packaging, Transactions of the ASME, 2014, 136, .	1.8	8
74	Buckling of microtubules: An insight by molecular and continuum mechanics. Applied Physics Letters, 2014, 105, 173704.	3.3	14
75	Modeling the pullout test of nanoreinforced metallic matrices using molecular dynamics. Acta Mechanica, 2014, 225, 1267-1275.	2.1	15
76	3D FE modeling of oblique shot peening using a new periodic cell. International Journal of Mechanics and Materials in Design, 2014, 10, 133-144.	3.0	11
77	Nonlinear analysis of thermally and electrically actuated functionally graded material microbeam. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130473.	2.1	22
78	A continuum model with a percolation threshold and tunneling-assisted interfacial conductivity for carbon nanotube-based nanocomposites. Journal of Applied Physics, 2014, 115, .	2.5	133
79	Multiphysics modelling of the coupled behaviour of precision-guided projectiles subjected to intense shock loads. International Journal of Mechanics and Materials in Design, 2014, 10, 439-450.	3.0	8
80	Multiscale micromechanical modeling of the constitutive response of carbon nanotube-reinforced structural adhesives. International Journal of Solids and Structures, 2014, 51, 2575-2589.	2.7	58
81	Unified nonlinear quasistatic and dynamic analysis of RF-MEMS switches. Acta Mechanica, 2013, 224, 1741-1755.	2.1	29
82	Accurate modelling of the crush behaviour of thin tubular columns using material point method. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1209-1219.	5.1	5
83	Efficient multi-level modeling technique for determining effective board drop reliability of PCB assembly. Microelectronics Reliability, 2013, 53, 975-984.	1.7	18
84	Toughening mechanisms in multiphase nanocomposites. International Journal of Mechanics and Materials in Design, 2013, 9, 115-125.	3.0	12
85	Effect of carbon nanotube geometry upon tunneling assisted electrical network in nanocomposites. Journal of Applied Physics, 2013, 113, .	2.5	49
86	Tunneling resistance and its effect on the electrical conductivity of carbon nanotube nanocomposites. Journal of Applied Physics, 2012, 111, .	2.5	230
87	Nonlinear finite element analysis of the crush behaviour of functionally graded foam-filled columns. Finite Elements in Analysis and Design, 2012, 61, 50-59.	3.2	65
88	The Potential of Ultrasonic Non-Destructive Measurement of Residual Stresses by Modal Frequency Spacing using Leaky Lamb Waves. Experimental Mechanics, 2012, 52, 1329-1339.	2.0	7
89	A novel approach to predict the electrical conductivity of multifunctional nanocomposites. Mechanics of Materials, 2012, 46, 129-138.	3.2	110
90	Bio-inspired wing morphing for unmanned aerial vehicles using intelligent materials. International Journal of Mechanics and Materials in Design, 2012, 8, 71-79.	3.0	29

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91	Percolation threshold and electrical conductivity of a two-phase composite containing randomly oriented ellipsoidal inclusions. Journal of Applied Physics, 2011, 110, .	2.5	71
92	Modeling electrical conductivities of nanocomposites with aligned carbon nanotubes. Nanotechnology, 2011, 22, 485704.	2.6	122
93	Performance assessment of the suspended-load backpack. International Journal of Mechanics and Materials in Design, 2011, 7, 111-121.	3.0	44
94	Flutter boundary prediction of an adaptive morphing wing for unmanned aerial vehicle. International Journal of Mechanics and Materials in Design, 2011, 7, 307-312.	3.0	11
95	Multiscale modeling of the nonlinear response of nano-reinforced polymers. Acta Mechanica, 2011, 217, 1-16.	2.1	89
96	Novel Morphing Wing Design Using Antagonistic Shape Memory Alloy Actuation. , 2010, , .		7
97	Atomistic-based continuum modeling of the nonlinear behavior of carbon nanotubes. Acta Mechanica, 2010, 212, 167-179.	2.1	63
98	Consistent element coupling in nonlinear static and dynamic analyses using explicit solvers. International Journal of Mechanics and Materials in Design, 2010, 6, 319-330.	3.0	6
99	Thermo-mechanical behavior of a viscoelastic FGMs coating containing an interface crack. International Journal of Fracture, 2010, 164, 15-29.	2.2	21
100	Influence of cellular imperfections on mechanical response of metallic foams. International Journal of Crashworthiness, 2010, 15, 357-367.	1.9	13
101	Development of autonomous robot for space servicing. , 2010, , .		3
102	Recent Developments in Multifunctional Nanocomposites Using Carbon Nanotubes. Applied Mechanics Reviews, 2010, 63, .	10.1	148
103	Effects of incidence angle in bird strike on integrity of aero-engine fan blade. International Journal of Crashworthiness, 2009, 14, 295-308.	1.9	23
104	A numerical technique for laminar swirling flow at the interface between porous and homogenous fluid domains. International Journal for Numerical Methods in Fluids, 2009, 60, 337-353.	1.6	5
105	Coupling atomistics and continuum in solids: status, prospects, and challenges. International Journal of Mechanics and Materials in Design, 2009, 5, 79-110.	3.0	36
106	Transient three dimensional finite element analysis of a bird striking a fan blade. International Journal of Mechanics and Materials in Design, 2008, 4, 79-96.	3.0	46
107	Advances in computational contact mechanics. International Journal of Mechanics and Materials in Design, 2008, 4, 419-443.	3.0	18
108	Vibration analysis of a new curved beam element. Journal of Sound and Vibration, 2008, 309, 86-95.	3.9	30

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109	Development and Validation of Novel FE Models for 3D Analysis of Peening of Strain-Rate Sensitive Materials. Journal of Engineering Materials and Technology, Transactions of the ASME, 2007, 129, 271-283.	1.4	38
110	Finite Element Modeling of a Bird Striking an Engine Fan Blade. Journal of Aircraft, 2007, 44, 583-596.	2.4	45
111	Elastodynamic analysis of low tension cables using a new curved beam element. International Journal of Solids and Structures, 2006, 43, 1490-1504.	2.7	38
112	Nonlinear free vibration behavior of functionally graded plates. Journal of Sound and Vibration, 2006, 289, 595-611.	3.9	157
113	Intelligent Condition Monitoring of Aerospace Composites: Part I - Nano Reinforced Surfaces & Interfaces. International Journal of Mechanics and Materials in Design, 2005, 2, 183-198.	3.0	6
114	On the FE Modeling of Closed-cell Aluminum Foam. International Journal of Mechanics and Materials in Design, 2005, 2, 23-34.	3.0	30
115	A Continuum Based Thick Shell Element for Large Deformation Analysis of Layered Composites. International Journal of Mechanics and Materials in Design, 2005, 2, 99-115.	3.0	7
116	Relaxation of Peening Residual Stresses Due to Cyclic Thermo-Mechanical Overload. Journal of Engineering Materials and Technology, Transactions of the ASME, 2005, 127, 170-178.	1.4	18
117	NOVEL COUPLING CONSTRAINT TECHNIQUE FOR EXPLICIT FINITE ELEMENT ANALYSIS. International Journal of Computational Methods, 2004, 01, 309-328.	1.3	2
118	Optimal shape control of functionally graded smart plates using genetic algorithms. Computational Mechanics, 2004, 33, 245-253.	4.0	31
119	On the layered micromechanical three-dimensional finite element modelling of foam-filled columns. Finite Elements in Analysis and Design, 2004, 40, 1035-1057.	3.2	28
120	Nanomechanics of single and multiwalled carbon nanotubes. Physical Review B, 2004, 69, .	3.2	298
121	Thermomechanical postbuckling analysis of functionally graded plates and shallow cylindrical shells. Acta Mechanica, 2003, 165, 99-115.	2.1	71
122	The transient response of bonded piezoelectric and elastic half space with multiple interfacial collinear cracks. Acta Mechanica, 2002, 159, 11-27.	2.1	13
123	Accurate modeling of contact using cubic splines. Finite Elements in Analysis and Design, 2002, 38, 337-352.	3.2	17
124	FE modelling of deformation localization in metallic foams. Finite Elements in Analysis and Design, 2002, 38, 631-643.	3.2	102
125	On the dynamic behaviour of a piezoelectric laminate with multiple interfacial collinear cracks. International Journal of Solids and Structures, 2002, 39, 2477-2494.	2.7	19
126	On the dynamic propagation of a finite crack in functionally graded materials. Engineering Fracture Mechanics, 2002, 69, 1753-1768.	4.3	65

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127	Differences in osseointegration rate due to implant surface geometry can be explained by local tissue strains. Journal of Orthopaedic Research, 2001, 19, 187-194.	2.3	74
128	On the elastodynamic solution of frictional contact problems using variational inequalities. International Journal for Numerical Methods in Engineering, 2001, 50, 611-627.	2.8	17
129	On the modelling of smooth contact surfaces using cubic splines. International Journal for Numerical Methods in Engineering, 2001, 50, 953-967.	2.8	49
130	Mechanical regulation of localized and appositional bone formation around bone-interfacing implants. Journal of Biomedical Materials Research Part B, 2001, 55, 63-71.	3.1	52
131	Optimal time integration parameters for elastodynamic contact problems. Communications in Numerical Methods in Engineering, 2001, 17, 379-384.	1.3	15
132	Three-dimensional finite element analysis of saddle supported pressure vessels. International Journal of Mechanical Sciences, 2001, 43, 1229-1242.	6.7	11
133	Modelling and analysis of dynamic interaction between piezoelectric actuators. International Journal of Solids and Structures, 2001, 38, 2803-2820.	2.7	12
134	Nonlinear analysis of functionally graded plates and shallow shells. International Journal of Solids and Structures, 2001, 38, 7409-7421.	2.7	308
135	Mechanical regulation of localized and appositional bone formation around boneâ€interfacing implants. Journal of Biomedical Materials Research Part B, 2001, 55, 63-71.	3.1	1
136	On the electroelastic behaviour of a thin piezoelectric actuator attached to an infinite host structure. International Journal of Solids and Structures, 2000, 37, 3231-3251.	2.7	85
137	Effect of electromechanical coupling on the dynamic interaction of cracks in piezoelectric materials. Acta Mechanica, 2000, 143, 1-15.	2.1	20
138	Photoelastic analysis of the singular stress field in a bimaterial wedge. Experimental Mechanics, 2000, 40, 68-74.	2.0	11
139	Interfacial Debonding of an Elliptical Inhomogeneity in Piezoelectric Solids. Journal of Applied Mechanics, Transactions ASME, 1999, 66, 1037-1040.	2.2	4
140	Closed form solutions for partially debonded circular inclusion in piezoelectric materials. Acta Mechanica, 1999, 137, 167-181.	2.1	28
141	Analysis of curved cracks emanating from adjacent holes. Engineering Fracture Mechanics, 1999, 64, 337-355.	4.3	9
142	A new finite element for treating plane thermomechanical heterogeneous solids. International Journal for Numerical Methods in Engineering, 1999, 44, 567-585.	2.8	10
143	On the treatment of frictional contact in shell structures using variational inequalities. International Journal for Numerical Methods in Engineering, 1999, 46, 275-295.	2.8	6
144	A new finite element for treating plane thermomechanical heterogeneous solids. International Journal for Numerical Methods in Engineering, 1999, 44, 567-585.	2.8	1

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145	Dynamic antiplane behaviour of interacting cracks in a piezoelectric medium. International Journal of Fracture, 1998, 91, 391-403.	2.2	50
146	A new strategy for the solution of frictional contact problems. International Journal for Numerical Methods in Engineering, 1998, 43, 1053-1068.	2.8	15
147	Large deformation analysis of contact in degenerate shell elements. International Journal for Numerical Methods in Engineering, 1998, 43, 1127-1141.	2.8	13
148	Analysis of Conducting Rigid Inclusion at the Interface of Two Dissimilar Piezoelectric Materials. Journal of Applied Mechanics, Transactions ASME, 1998, 65, 76-84.	2.2	63
149	Accurate modelling of compliant grippers using a new method. Robotica, 1998, 16, 219-225.	1.9	3
150	Diffraction of SH-Wave by Interacting Matrix Crack and an Inhomogeneity. Journal of Applied Mechanics, Transactions ASME, 1997, 64, 568-575.	2.2	17
151	Analysis of a circular arc-crack in piezoelectric materials. International Journal of Fracture, 1997, 84, 143-158.	2.2	42
152	On the Elastic Field of a Shpherical Inhomogeneity with an Imperfectly Bonded Interface. Journal of Elasticity, 1997, 46, 91-113.	1.9	100
153	Updated Lagrangian formulation of contact problems using variational inequalities. International Journal for Numerical Methods in Engineering, 1997, 40, 2975-2993.	2.8	3
154	Machining residual stresses. Materials Science and Technology, 1996, 12, 445-449.	1.6	9
155	A NOVEL FINITE ELEMENT APPROACH TO FRICTIONAL CONTACT PROBLEMS. International Journal for Numerical Methods in Engineering, 1996, 39, 3889-3902.	2.8	19
156	The interaction between an interfacial crack and a microcrack under antiplane loading. International Journal of Fracture, 1996, 76, 263-278.	2.2	7
157	A novel finite element for treating inhomogeneous solids. International Journal for Numerical Methods in Engineering, 1995, 38, 1579-1592.	2.8	22
158	On the dynamic crack propagation in an interface with spatially varying elastic properties. International Journal of Fracture, 1995, 69, 87-99.	2.2	54
159	Two-Phase Potentials for the Treatment of an Elastic Inclusion in Plane Thermoelasticity. Journal of Applied Mechanics, Transactions ASME, 1995, 62, 7-12.	2.2	35
160	On the debonding of an elastic elliptical inhomogeneity under antiplane shear. International Journal of Fracture, 1994, 67, 37-52.	2.2	6
161	THEORETICAL AND EXPERIMENTAL STUDIES OF FRETTING-INITIATED FATIGUE FAILURE OF AEROENGINE COMPRESSOR DISCS. Fatigue and Fracture of Engineering Materials and Structures, 1994, 17, 539-550.	3.4	33
162	Interacting circular inhomogeneities in plane elastostatics. Acta Mechanica, 1993, 99, 49-60.	2.1	29

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163	Hydrogen diffusion and its relevance to intergranular cracking in nickel. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1993, 24, 105-112.	1.4	23
164	A new highâ€frequency analysis of coatings using leaky Lamb waves. Journal of the Acoustical Society of America, 1993, 94, 2954-2962.	1.1	17
165	A General Treatment of the Elastic Field of an Elliptical Inhomogeneity Under Antiplane Shear. Journal of Applied Mechanics, Transactions ASME, 1992, 59, S131-S135.	2.2	62
166	EFFECT OF PARTIAL-COVERAGE UPON THE FATIGUE FRACTURE BEHAVIOUR OF PEENED COMPONENTS. Fatigue and Fracture of Engineering Materials and Structures, 1991, 14, 515-530.	3.4	16
167	On the effect of the release of residual stresses due to near-tip microcracking. International Journal of Fracture, 1991, 52, 257-274.	2.2	28