

Norman A Fleck

List of Publications by Year in descending order

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230
papers

28,360
citations

7568

77
h-index

5394

164
g-index

231
all docs

231
docs citations

231
times ranked

10920
citing authors

#	ARTICLE	IF	CITATIONS
1	A compliant and low-expansion 2-phase micro-architected material, with potential application to solid-state Li-ion batteries. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 158, 104683.	4.8	4
2	Delamination of a sandwich layer by diffusion of a corrosive species: Initiation of growth. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 160, 104775.	4.8	3
3	Stabilization of ultrathin nanowires by self-assembly into bundles. <i>Acta Materialia</i> , 2022, , 117799.	7.9	4
4	Effect of Lithiation upon the Shear Strength of NMC811 Single Crystals. <i>Journal of the Electrochemical Society</i> , 2022, 169, 040511.	2.9	9
5	Interfacial delamination of a sandwich layer by aqueous corrosion. <i>Corrosion Science</i> , 2022, 203, 110356.	6.6	4
6	Pinching of gel-filled honeycomb. <i>International Journal of Solids and Structures</i> , 2022, 257, 111728.	2.7	3
7	Moisture-induced cracking in a flexural bilayer with application to historical paintings. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 112, 102779.	4.7	14
8	Steady-state growth of an interfacial crack by corrosion. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 148, 104268.	4.8	4
9	Regulation of notch sensitivity of lattice materials by strut topology. <i>International Journal of Mechanical Sciences</i> , 2021, 192, 106137.	6.7	10
10	Mode II fracture of an MMA adhesive layer: Theory versus experiment. <i>European Journal of Mechanics, A/Solids</i> , 2021, 86, 104133.	3.7	18
11	The initiation of void growth during stripping of Li electrodes in solid electrolyte cells. <i>Journal of Power Sources</i> , 2021, 488, 229437.	7.8	18
12	An assessment of a mechanism for void growth in Li anodes. <i>Extreme Mechanics Letters</i> , 2021, 46, 101307.	4.1	12
13	The mechanical and electrochemical properties of polyaniline-coated carbon nanotube mat. <i>Journal of Energy Storage</i> , 2021, 41, 102757.	8.1	8
14	The Influence of Strut Waviness on the Tensile Response of Lattice Materials. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2021, 88, .	2.2	15
15	Perspectives for next generation lithium-ion battery cathode materials. <i>APL Materials</i> , 2021, 9, .	5.1	44
16	The crack growth resistance of an elastoplastic lattice. <i>International Journal of Solids and Structures</i> , 2020, 188-189, 233-243.	2.7	18
17	Load transfer within the bolted joint of a laminate made from ultra-high molecular weight polyethylene fibres. <i>International Journal of Solids and Structures</i> , 2020, 185-186, 182-190.	2.7	1
18	The swelling of cellulose foams due to liquid transport. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 136, 103707.	4.8	4

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19	Mechanical properties of the hollow-wall graphene gyroid lattice. <i>Acta Materialia</i> , 2020, 201, 254-265.	7.9	10
20	High fracture toughness micro-architected materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 143, 104060.	4.8	20
21	An assessment of the J-integral test for a metallic foam. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 141, 103958.	4.8	9
22	Growth rate of lithium filaments in ceramic electrolytes. <i>Acta Materialia</i> , 2020, 196, 444-455.	7.9	30
23	Dendrites as climbing dislocations in ceramic electrolytes: Initiation of growth. <i>Journal of Power Sources</i> , 2020, 456, 227989.	7.8	38
24	Mode II Fracture of an Elastic-Plastic Sandwich Layer. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020, 87, .	2.2	5
25	On the geometric stability of an inorganic nanowire and an organic ligand shell. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 123, 3-19.	4.8	7
26	Creep failure of honeycombs made by rapid prototyping. <i>Acta Materialia</i> , 2019, 178, 122-134.	7.9	7
27	The mechanics of solid-state nanofoaming. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190339.	2.1	4
28	Tensile fracture of an adhesive joint: the role of crack length and of material mismatch. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 130, 330-348.	4.8	13
29	The mechanical and electrical properties of direct-spun carbon nanotube mat-epoxy composites. <i>Carbon</i> , 2019, 150, 489-504.	10.3	32
30	Mechanical Properties of PMMA- ϵ -Sepiolite Nanocellular Materials with a Bimodal Cellular Structure. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900041.	3.6	16
31	The role of defects in dictating the strength of brittle honeycombs made by rapid prototyping. <i>Acta Materialia</i> , 2019, 171, 190-200.	7.9	28
32	Mode I crack tip fields: Strain gradient plasticity theory versus J2 flow theory. <i>European Journal of Mechanics, A/Solids</i> , 2019, 75, 381-388.	3.7	23
33	The role of plastic strain gradients in the crack growth resistance of metals. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 126, 136-150.	4.8	58
34	Toughening strategies in adhesive joints. <i>International Journal of Solids and Structures</i> , 2019, 158, 66-75.	2.7	38
35	Indentation of a layer on foam substrate. <i>International Journal of Mechanical Sciences</i> , 2019, 150, 379-392.	6.7	4
36	Water rise in a cellulose foam: By capillary or diffusional flow?. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 124, 206-219.	4.8	15

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37	Tear resistance of a square-wave joint: Experiment versus cohesive zone model. <i>International Journal of Adhesion and Adhesives</i> , 2018, 84, 9-17.	2.9	16
38	The mechanical and electrical properties of direct-spun carbon nanotube mats. <i>Extreme Mechanics Letters</i> , 2018, 21, 65-75.	4.1	59
39	The effect of matrix shear strength on the out-of-plane compressive strength of CFRP cross-ply laminates. <i>International Journal of Solids and Structures</i> , 2018, 139-140, 79-95.	2.7	10
40	Analysis of thermal desorption of hydrogen in metallic alloys. <i>Acta Materialia</i> , 2018, 144, 777-785.	7.9	27
41	Notch sensitivity of orthotropic solids: interaction of tensile and shear damage zones. <i>International Journal of Fracture</i> , 2018, 212, 123-142.	2.2	7
42	Perforation of aluminium alloy-CFRP bilayer plates under quasi-static and impact loading. <i>International Journal of Impact Engineering</i> , 2018, 121, 106-118.	5.0	8
43	Crack Growth Resistance in Metallic Alloys: The Role of Isotropic Versus Kinematic Hardening. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018, 85, .	2.2	14
44	Compressive behavior and failure mechanisms of freestanding and composite 3D graphitic foams. <i>Acta Materialia</i> , 2018, 159, 187-196.	7.9	10
45	Deformation and failure maps for PMMA in uniaxial tension. <i>Polymer</i> , 2018, 148, 259-268.	3.8	24
46	High-fidelity characterization on anisotropic thermal conductivity of carbon nanotube sheets and on their effects of thermal enhancement of nanocomposites. <i>Nanotechnology</i> , 2018, 29, 365708.	2.6	14
47	Cohesive detachment of an elastic pillar from a dissimilar substrate. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 101, 30-43.	4.8	31
48	Tensile response of elastoplastic lattices at finite strain. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 109, 307-330.	4.8	53
49	Perforation resistance of CFRP beams to quasi-static and ballistic loading: The role of matrix strength. <i>International Journal of Impact Engineering</i> , 2017, 108, 389-401.	5.0	18
50	Analysis of electro-permeation of hydrogen in metallic alloys. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160409.	3.4	12
51	On the Indentation Resistance of a PC Layer on PVC Foam Substrate. <i>Advanced Engineering Materials</i> , 2017, 19, 1700075.	3.5	3
52	Crack kinking at the tip of a mode I crack in an orthotropic solid. <i>International Journal of Fracture</i> , 2017, 207, 181-191.	2.2	10
53	The effect of laminate lay-up on the multi-axial notched strength of CFRP panels: Simulation versus experiment. <i>European Journal of Mechanics, A/Solids</i> , 2017, 66, 309-321.	3.7	15
54	Flaw sensitivity in rate-sensitive high strength alloys: An assessment and future research directions. <i>Extreme Mechanics Letters</i> , 2017, 10, 70-77.	4.1	1

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73	Thermal shock resistance of air plasma sprayed thermal barrier coatings. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2687-2694.	5.7	51
74	The soft impact response of composite laminate beams. <i>International Journal of Impact Engineering</i> , 2013, 60, 24-36.	5.0	58
75	An analysis of competing toughening mechanisms in layered and particulate solids. <i>International Journal of Fracture</i> , 2013, 183, 241-258.	2.2	21
76	A laboratory-scale buried charge simulator. <i>International Journal of Impact Engineering</i> , 2013, 62, 210-218.	5.0	13
77	The high strain rate response of Ultra High Molecular-weight Polyethylene: From fibre to laminate. <i>International Journal of Impact Engineering</i> , 2013, 60, 1-9.	5.0	166
78	The effect of shear strength on the ballistic response of laminated composite plates. <i>European Journal of Mechanics, A/Solids</i> , 2013, 42, 35-53.	3.7	131
79	The impact of sand slugs against beams and plates: Coupled discrete particle/finite element simulations. <i>Journal of the Mechanics and Physics of Solids</i> , 2013, 61, 1798-1821.	4.8	45
80	Dynamic buckling of an inclined strut. <i>International Journal of Solids and Structures</i> , 2012, 49, 2830-2838.	2.7	29
81	Size effects in the conical indentation of an elasto-plastic solid. <i>Journal of the Mechanics and Physics of Solids</i> , 2012, 60, 1605-1625.	4.8	42
82	The soft impact of composite sandwich beams with a square-honeycomb core. <i>International Journal of Impact Engineering</i> , 2012, 48, 65-81.	5.0	54
83	Discrete element calculations of the impact of a sand column against rigid structures. <i>International Journal of Impact Engineering</i> , 2012, 45, 74-89.	5.0	27
84	Elastodynamic Erosion of Thermal Barrier Coatings. <i>Journal of the American Ceramic Society</i> , 2011, 94, s160.	3.8	4
85	Collapse mechanism maps for the hollow pyramidal core of a sandwich panel under transverse shear. <i>International Journal of Solids and Structures</i> , 2011, 48, 3417-3430.	2.7	31
86	The microstructure and mechanical properties of ball-milled stainless steel powder: The effect of hot-pressing vs. laser sintering. <i>Acta Materialia</i> , 2011, 59, 7300-7310.	7.9	11
87	Flow of Damp Powder in a Rotating Impervious Cone. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2011, 78, .	2.2	6
88	The microstructural basis for the mechanical properties and electrical resistivity of nanocrystalline Cu-Al ₂ O ₃ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5065-5071.	5.6	44
89	Prediction of the dynamic response of composite sandwich beams under shock loading. <i>International Journal of Impact Engineering</i> , 2010, 37, 854-864.	5.0	40
90	Underwater blast response of free-standing sandwich plates with metallic lattice cores. <i>International Journal of Impact Engineering</i> , 2010, 37, 1138-1149.	5.0	49

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91	The three-point bending of Y-frame and corrugated core sandwich beams. <i>International Journal of Mechanical Sciences</i> , 2010, 52, 485-494.	6.7	66
92	Compliant interfaces: A mechanism for relaxation of dislocation pile-ups in a sheared single crystal. <i>International Journal of Plasticity</i> , 2010, 26, 1792-1805.	8.8	26
93	The elastic-plastic indentation response of a columnar thermal barrier coating. <i>Wear</i> , 2010, 268, 443-454.	3.1	29
94	The erosion of EB-PVD thermal barrier coatings: The competition between mechanisms. <i>Wear</i> , 2010, 268, 1214-1224.	3.1	38
95	The fracture toughness of a cordierite square lattice. <i>Acta Materialia</i> , 2010, 58, 201-207.	7.9	36
96	Size effects in the torsion of thin metal wires. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2010, 18, 015009.	2.0	34
97	Size effects in the bending of thin foils. <i>International Journal of Engineering Science</i> , 2009, 47, 1251-1264.	5.0	44
98	Birefringence measurements of creep near an electrode tip in transparent PLZT. <i>Journal of the European Ceramic Society</i> , 2009, 29, 2289-2296.	5.7	20
99	A mathematical basis for strain-gradient plasticity theory—Part I: Scalar plastic multiplier. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 161-177.	4.8	206
100	A multi-scale constitutive model for the sintering of an air-plasma-sprayed thermal barrier coating, and its response under hot isostatic pressing. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 689-705.	4.8	27
101	A mathematical basis for strain-gradient plasticity theory. Part II: Tensorial plastic multiplier. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 1045-1057.	4.8	199
102	Compressive response of a sandwich plate containing a cracked diamond-celled lattice. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 1545-1567.	4.8	15
103	The dynamic response of clamped rectangular Y-frame and corrugated core sandwich plates. <i>European Journal of Mechanics, A/Solids</i> , 2009, 28, 14-24.	3.7	64
104	Underwater blast loading of sandwich beams: Regimes of behaviour. <i>International Journal of Solids and Structures</i> , 2009, 46, 3209-3221.	2.7	47
105	Fracture of Brittle Lattice Materials: A Review. , 2009, , 799-816.		10
106	The high strain rate response of PVC foams and end-grain balsa wood. <i>Composites Part B: Engineering</i> , 2008, 39, 83-91.	12.0	129
107	An analytic model for the response to water blast of unsupported metallic sandwich panels. <i>International Journal of Solids and Structures</i> , 2008, 45, 478-496.	2.7	55
108	The dynamic response of end-clamped sandwich beams with a Y-frame or corrugated core. <i>International Journal of Impact Engineering</i> , 2008, 35, 829-844.	5.0	66

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109	The collapse response of sandwich beams with a Y-frame core subjected to distributed and local loading. <i>International Journal of Mechanical Sciences</i> , 2008, 50, 233-246.	6.7	36
110	Elastic Boundary Layers in Two-Dimensional Isotropic Lattices. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2008, 75, .	2.2	25
111	The Imperfection Sensitivity of Isotropic Two-Dimensional Elastic Lattices. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2008, 75, .	2.2	70
112	The effect of interfaces on the plastic behavior of periodic composites. <i>Philosophical Magazine</i> , 2008, 88, 3633-3653.	1.6	0
113	Mechanisms of elastodynamic erosion of electron-beam thermal barrier coatings. <i>International Journal of Materials Research</i> , 2007, 98, 1196-1202.	0.3	8
114	Dynamic failure of clamped circular plates subjected to an underwater shock. <i>Journal of Mechanics of Materials and Structures</i> , 2007, 2, 2007-2023.	0.6	15
115	The dynamic response of composite sandwich beams to transverse impact. <i>International Journal of Solids and Structures</i> , 2007, 44, 2442-2457.	2.7	79
116	Optimal design of box-section sandwich beams in three-point bending. <i>International Journal of Solids and Structures</i> , 2007, 44, 4742-4769.	2.7	26
117	Dynamic crushing of sandwich panels with prismatic lattice cores. <i>International Journal of Solids and Structures</i> , 2007, 44, 6101-6123.	2.7	86
118	The damage tolerance of elastic-brittle, two-dimensional isotropic lattices. <i>Journal of the Mechanics and Physics of Solids</i> , 2007, 55, 562-588.	4.8	176
119	The fracture toughness of planar lattices: Imperfection sensitivity. <i>Journal of the Mechanics and Physics of Solids</i> , 2007, 55, 2538-2564.	4.8	85
120	Damage tolerance of an elastic-brittle diamond-celled honeycomb. <i>Scripta Materialia</i> , 2007, 56, 693-696.	5.2	38
121	Shear fatigue strength of a prismatic diamond sandwich core. <i>Scripta Materialia</i> , 2007, 56, 585-588.	5.2	16
122	A Systematic Approach to Process Selection in MEMS. <i>Journal of Microelectromechanical Systems</i> , 2006, 15, 1039-1050.	2.5	22
123	An underwater shock simulator. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 1021-1041.	2.1	107
124	Modelling of fatigue crack tunneling and delamination in layered composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1722-1733.	7.6	29
125	The shear response of metallic square honeycombs. <i>Journal of Mechanics of Materials and Structures</i> , 2006, 1, 1281-1299.	0.6	32
126	An evaluation of higher-order plasticity theories for predicting size effects and localisation. <i>International Journal of Solids and Structures</i> , 2006, 43, 1857-1877.	2.7	78

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127	In-plane properties of composite laminates with through-thickness pin reinforcement. <i>International Journal of Solids and Structures</i> , 2006, 43, 3197-3212.	2.7	124
128	Performance of metallic honeycomb-core sandwich beams under shock loading. <i>International Journal of Solids and Structures</i> , 2006, 43, 1746-1763.	2.7	166
129	The response of clamped sandwich plates with metallic foam cores to simulated blast loading. <i>International Journal of Solids and Structures</i> , 2006, 43, 2243-2259.	2.7	194
130	The compressive and shear responses of corrugated and diamond lattice materials. <i>International Journal of Solids and Structures</i> , 2006, 43, 6220-6242.	2.7	214
131	A sintering model for thermal barrier coatings. <i>Acta Materialia</i> , 2006, 54, 1297-1306.	7.9	44
132	Compressive response of the Y-shaped sandwich core. <i>European Journal of Mechanics, A/Solids</i> , 2006, 25, 125-141.	3.7	24
133	The response of clamped sandwich plates with lattice cores subjected to shock loading. <i>European Journal of Mechanics, A/Solids</i> , 2006, 25, 215-229.	3.7	122
134	The response of clamped sandwich beams subjected to shock loading. <i>International Journal of Impact Engineering</i> , 2006, 32, 968-987.	5.0	147
135	Plastic collapse of thin-walled frusta and egg-box material under shear and normal loading. <i>International Journal of Mechanical Sciences</i> , 2006, 48, 799-808.	6.7	17
136	The structural performance of the periodic truss. <i>Journal of the Mechanics and Physics of Solids</i> , 2006, 54, 756-782.	4.8	234
137	The impulsive response of sandwich beams: Analytical and numerical investigation of regimes of behaviour. <i>Journal of the Mechanics and Physics of Solids</i> , 2006, 54, 2242-2280.	4.8	121
138	Fatigue crack growth in ferroelectrics under electrical loading. <i>Journal of the European Ceramic Society</i> , 2006, 26, 95-109.	5.7	58
139	Scaling laws governing the erosion and impact resistance of thermal barrier coatings. <i>Wear</i> , 2006, 260, 886-894.	3.1	58
140	Impulsive loading of clamped monolithic and sandwich beams over a central patch. <i>Journal of the Mechanics and Physics of Solids</i> , 2005, 53, 1015-1046.	4.8	102
141	The use of metal foam projectiles to simulate shock loading on a structure. <i>International Journal of Impact Engineering</i> , 2005, 31, 1152-1171.	5.0	215
142	A constitutive model for transversely isotropic foams, and its application to the indentation of balsa wood. <i>International Journal of Mechanical Sciences</i> , 2005, 47, 666-686.	6.7	59
143	Numerical simulations of crack formation from pegs in thermal barrier systems with NiCoCrAlY bond coats. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 404, 26-32.	5.6	39
144	Microarchitected cellular solids - the hunt for statically determinate periodic trusses. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2005, 85, 607-617.	1.6	44

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145	Compressive strength of composite laminates with terminated internal plies. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005, 36, 798-805.	7.6	30
146	Material selection in sandwich beam construction. <i>Scripta Materialia</i> , 2004, 50, 1335-1339.	5.2	79
147	Crack tunneling and plane-strain delamination in layered solids. <i>International Journal of Fracture</i> , 2004, 125, 1-32.	2.2	39
148	Collapse of clamped and simply supported composite sandwich beams in three-point bending. <i>Composites Part B: Engineering</i> , 2004, 35, 523-534.	12.0	80
149	Mechanisms governing the high temperature erosion of thermal barrier coatings. <i>Wear</i> , 2004, 256, 735-746.	3.1	112
150	The Collapse Response of Sandwich Beams with Aluminium Face Sheets and a Metal Foam Core. <i>Advanced Engineering Materials</i> , 2004, 6, 440-443.	3.5	13
151	The out-of-plane compressive behavior of metallic honeycombs. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 380, 272-280.	5.6	206
152	Collapse mechanisms of sandwich beams with composite faces and a foam core, loaded in three-point bending. Part I: analytical models and minimum weight design. <i>International Journal of Mechanical Sciences</i> , 2004, 46, 561-583.	6.7	211
153	Collapse mechanisms of sandwich beams with composite faces and a foam core, loaded in three-point bending. Part II: experimental investigation and numerical modelling. <i>International Journal of Mechanical Sciences</i> , 2004, 46, 585-608.	6.7	175
154	Bounds and estimates for the effect of strain gradients upon the effective plastic properties of an isotropic two-phase composite. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 1855-1888.	4.8	42
155	The out-of-plane compressive behaviour of woven-core sandwich plates. <i>European Journal of Mechanics, A/Solids</i> , 2004, 23, 411-421.	3.7	84
156	Mechanisms of deep penetration of soft solids, with application to the injection and wounding of skin. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2004, 460, 3037-3058.	2.1	147
157	Mechanisms of crack bridging by composite and metallic rods. <i>Composites Part A: Applied Science and Manufacturing</i> , 2004, 35, 1325-1336.	7.6	139
158	Compressive strength of fibre composites with random fibre waviness. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 1481-1505.	4.8	1
159	The role of geometrically necessary dislocations in giving material strengthening. <i>Scripta Materialia</i> , 2003, 48, 179-183.	5.2	117
160	The plastic collapse and energy absorption capacity of egg-box panels. <i>International Journal of Mechanical Sciences</i> , 2003, 45, 851-871.	6.7	69
161	Kagome plate structures for actuation. <i>International Journal of Solids and Structures</i> , 2003, 40, 6969-6980.	2.7	123
162	Finite element analysis of the dynamic response of clamped sandwich beams subject to shock loading. <i>European Journal of Mechanics, A/Solids</i> , 2003, 22, 801-814.	3.7	122

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163	Energy absorption of an egg-box material. <i>Journal of the Mechanics and Physics of Solids</i> , 2003, 51, 187-208.	4.8	55
164	An evaluation of switching criteria for ferroelectrics under stress and electric field. <i>Acta Materialia</i> , 2003, 51, 6123-6137.	7.9	48
165	The effect of pin reinforcement upon the through-thickness compressive strength of foam-cored sandwich panels. <i>Composites Science and Technology</i> , 2003, 63, 2401-2409.	7.8	111
166	Experimental and Micromechanical Study of Size Effects in the Constrained Deformation of Metallic Foams. <i>Key Engineering Materials</i> , 2003, 243-244, 421-426.	0.4	2
167	<title>Observation of fatigue crack growth in ferroelectrics under electrical loading</title>. , 2002, , .		4
168	<title>Multiaxial response of hard and soft ferroelectrics under stress and electric field</title>. , 2002, , .		11
169	End compression of sandwich columns. <i>Composites Part A: Applied Science and Manufacturing</i> , 2002, 33, 353-359.	7.6	101
170	Creep Response of Sandwich Beams with a Metallic Foam Core. <i>Advanced Engineering Materials</i> , 2002, 4, 777-780.	3.5	17
171	Actuator Classification and Selectionâ€™The Development of a Database. <i>Advanced Engineering Materials</i> , 2002, 4, 933-940.	3.5	132
172	Size effects in the constrained deformation of metallic foams. <i>Journal of the Mechanics and Physics of Solids</i> , 2002, 50, 955-977.	4.8	123
173	Influence of imperfections on the performance of metal foam core sandwich panels. <i>International Journal of Solids and Structures</i> , 2002, 39, 4999-5012.	2.7	44
174	The fatigue strength of sandwich beams with an aluminium alloy foam core. <i>International Journal of Fatigue</i> , 2001, 23, 499-507.	5.7	95
175	Multi-axial electrical switching of a ferroelectric: theory versus experiment. <i>Journal of the Mechanics and Physics of Solids</i> , 2001, 49, 785-811.	4.8	234
176	Effective properties of the octet-truss lattice material. <i>Journal of the Mechanics and Physics of Solids</i> , 2001, 49, 1747-1769.	4.8	1,249
177	The effect of hole size upon the strength of metallic and polymeric foams. <i>Journal of the Mechanics and Physics of Solids</i> , 2001, 49, 2015-2030.	4.8	62
178	The topological design of multifunctional cellular metals. <i>Progress in Materials Science</i> , 2001, 46, 309-327.	32.8	884
179	Foam topology: bending versus stretching dominated architectures. <i>Acta Materialia</i> , 2001, 49, 1035-1040.	7.9	1,142
180	Multi-axial yield behaviour of polymer foams. <i>Acta Materialia</i> , 2001, 49, 1859-1866.	7.9	266

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181	The compaction of a random distribution of metal cylinders by the discrete element method. <i>Acta Materialia</i> , 2001, 49, 4325-4335.	7.9	69
182	Microbuckle initiation from a patch of large amplitude fibre waviness in a composite under compression and bending. <i>European Journal of Mechanics, A/Solids</i> , 2001, 20, 23-37.	3.7	29
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