Jizhou Song

List of Publications by Year
in descending order

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157	14,078	57758	19749
papers	citations	44 h-index	117 g-index

166	166	166	13552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Biomimetic Drosera Capensis with Adaptive Decisionâ€Predation Behavior Based on Multifunctional Sensing and Fast Actuating Capability. Advanced Functional Materials, 2022, 32, 2110296.	14.9	30
2	Quantitative Analyses of Collective Cell Motion on the Patterned Surfaces. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	1
3	Mechanics-Guided Design of Wearable Network Heaters for Bio-Integrated Applications. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	4
4	Implantable Thermal Therapeutic Device with Precise Temperature Control Enabled by Foldable Electronics and Heat-Insulating Pads. Research, 2022, 2022, .	5.7	1
5	Soft, stretchable thermal protective substrates for wearable electronics. Npj Flexible Electronics, 2022, 6, .	10.7	16
6	Flexible Neural Electrode Array Based-in vivo bioelectronic nose. , 2022, , .		0
7	Stretchable electronic skin patch with strain isolation for the simultaneous measurements of surface electromyography and temperature. Flexible and Printed Electronics, 2022, 7, 035002.	2.7	3
8	Collapse of arbitrary-shaped soft microfluidics. International Journal of Solids and Structures, 2022, 252, 111821.	2.7	3
9	Elastic Energy Storage Enabled Magnetically Actuated, Octopusâ€Inspired Smart Adhesive. Advanced Functional Materials, 2021, 31, 2009217.	14.9	68
10	Thermal Controlled Tunable Adhesive for Deterministic Assembly by Transfer Printing. Advanced Functional Materials, 2021, 31, 2010297.	14.9	32
11	A thermal actuated switchable dry adhesive with high reversibility for transfer printing. International Journal of Extreme Manufacturing, 2021, 3, 035103.	12.7	20
12	Mechanics of active elastomeric surfaces with tunable adhesion for non-contact pick-up and printing. International Journal of Solids and Structures, 2021, 219-220, 166-176.	2.7	4
13	Magnetically Driven Nonâ€Contact Transfer Printing Based on a Biâ€Stable Elastomeric Stamp. Advanced Materials Technologies, 2021, 6, 2100335.	5.8	21
14	Stretchable, Multifunctional Epidermal Sensor Patch for Surface Electromyography and Strain Measurements. Advanced Intelligent Systems, 2021, 3, 2100031.	6.1	30
15	Thermal Analysis on Active Heat Dissipation Design with Embedded Flow Channels for Flexible Electronic Devices. Micromachines, 2021, 12, 1165.	2.9	4
16	Mass transfer for Micro-LED display: Transfer printing techniques. Semiconductors and Semimetals, 2021, 106, 253-280.	0.7	13
17	Mechanics Strategies for Implantation of Flexible Neural Probes. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	2.2	14
18	Rapid digital light 3D printing enabled by a soft and deformable hydrogel separation interface. Nature Communications, 2021, 12, 6070.	12.8	41

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19	Switchable dry adhesive based on shape memory polymer with hemispherical indenters for transfer printing. Theoretical and Applied Mechanics Letters, 2021, 11, 100308.	2.8	18
20	A multifunctional electronic skin based on patterned metal films for tactile sensing with a broad linear response range. Science Advances, 2021, 7, eabl8313.	10.3	55
21	Laser-driven programmable non-contact transfer printing of objects onto arbitrary receivers via an active elastomeric microstructured stamp. National Science Review, 2020, 7, 296-304.	9.5	81
22	Buckling of a stiff thin film on a bi-layer compliant substrate of finite thickness. International Journal of Solids and Structures, 2020, 188-189, 133-140.	2.7	26
23	Programmable and scalable transfer printing with high reliability and efficiency for flexible inorganic electronics. Science Advances, 2020, 6, eabb2393.	10.3	88
24	Lightâ€Coded Digital Crystallinity Patterns Toward Bioinspired 4D Transformation of Shapeâ€Memory Polymers. Advanced Functional Materials, 2020, 30, 2000522.	14.9	55
25	Universal SMP gripper with massive and selective capabilities for multiscaled, arbitrarily shaped objects. Science Advances, 2020, 6, eaay5120.	10.3	90
26	A Removable Insertion Shuttle for Ultraflexible Neural Probe Implantation with Stable Chronic Brain Electrophysiological Recording. Advanced Materials Interfaces, 2020, 7, 1901775.	3.7	31
27	Insertion Shuttle: A Removable Insertion Shuttle for Ultraflexible Neural Probe Implantation with Stable Chronic Brain Electrophysiological Recording (Adv. Mater. Interfaces 6/2020). Advanced Materials Interfaces, 2020, 7, 2070031.	3.7	0
28	Skin pain sensation of epidermal electronic device/skin system considering non-Fourier heat conduction. Journal of the Mechanics and Physics of Solids, 2020, 138, 103927.	4.8	26
29	Recent Advances on Thermal Management of Flexible Inorganic Electronics. Micromachines, 2020, 11, 390.	2.9	4
30	Fatigue Life Prediction of Serpentine Interconnects on Soft Elastomers for Stretchable Electronics. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	33
31	Functional Soft Composites As Thermal Protecting Substrates for Wearable Electronics. Advanced Functional Materials, 2019, 29, 1905470.	14.9	63
32	Composite Materials: Functional Soft Composites As Thermal Protecting Substrates for Wearable Electronics (Adv. Funct. Mater. 45/2019). Advanced Functional Materials, 2019, 29, 1970314.	14.9	2
33	Three-Dimensional Mechanical Modeling of Magnet-Controlled Transfer Printing. International Journal of Applied Mechanics, 2019, 11, 1950042.	2.2	8
34	Rapidly tunable and highly reversible bio-inspired dry adhesion for transfer printing in air and a vacuum. Soft Matter, 2019, 15, 30-37.	2.7	101
35	Thermal management for purification of aligned arrays of single-walled carbon nanotubes based on thermocapillary flow by pulsed heating. International Journal of Thermal Sciences, 2019, 138, 480-486.	4.9	2
36	Stretchable Electronics: Biaxially Stretchable Ultrathin Si Enabled by Serpentine Structures on Prestrained Elastomers (Adv. Mater. Technol. 1/2019). Advanced Materials Technologies, 2019, 4, 1970003.	5.8	0

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37	Transient thermomechanical analysis of epidermal electronic devices on human skin. Mechanics of Materials, 2019, 137, 103097.	3.2	3
38	Transient thermo-mechanical analysis for bimorph soft robot based on thermally responsive liquid crystal elastomers. Applied Mathematics and Mechanics (English Edition), 2019, 40, 943-952.	3.6	12
39	Wrinkling of silicon nanoribbons on shape memory polymers. Journal Physics D: Applied Physics, 2019, 52, 265101.	2.8	4
40	Stretchable Electronics: Nylon Fabric Enabled Tough and Flaw Insensitive Stretchable Electronics (Adv. Mater. Technol. 4/2019). Advanced Materials Technologies, 2019, 4, 1970024.	5.8	0
41	Soft Elastomers with Programmable Stiffness as Strain-Isolating Substrates for Stretchable Electronics. ACS Applied Materials & Interfaces, 2019, 11, 14340-14346.	8.0	72
42	Three-dimensional thermomechanical analysis of epidermal electronic devices on human skin. International Journal of Solids and Structures, 2019, 167, 48-57.	2.7	11
43	Fast Digital Patterning of Surface Topography toward Three-Dimensional Shape-Changing Structures. ACS Applied Materials & Interfaces, 2019, 11, 48412-48418.	8.0	12
44	Experimental demonstration of a dissipative multi-resonator metamaterial for broadband elastic wave attenuation. Journal of Sound and Vibration, 2019, 438, 1-12.	3.9	90
45	Mechanics of magnet-controlled transfer printing. Extreme Mechanics Letters, 2019, 27, 76-82.	4.1	21
46	Biaxially Stretchable Ultrathin Si Enabled by Serpentine Structures on Prestrained Elastomers. Advanced Materials Technologies, 2019, 4, 1800489.	5.8	27
47	An Experimental Study on Stretchy and Tough PDMS/Fabric Composites. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	14
48	Nylon Fabric Enabled Tough and Flaw Insensitive Stretchable Electronics. Advanced Materials Technologies, 2019, 4, 1800466.	5.8	4
49	A simple analytical thermo-mechanical model for liquid crystal elastomer bilayer structures. AIP Advances, 2018, 8, .	1.3	19
50	Three-dimensional thermal analysis of rectangular micro-scale inorganic light-emitting diodes integrated with human skin. International Journal of Thermal Sciences, 2018, 127, 321-328.	4.9	25
51	Soft Ultrathin Electronics Innervated Adaptive Fully Soft Robots. Advanced Materials, 2018, 30, e1706695.	21.0	301
52	Programming a crystalline shape memory polymer network with thermo- and photo-reversible bonds toward a single-component soft robot. Science Advances, 2018, 4, eaao3865.	10.3	360
53	Experimental and Theoretical Study on Mechanical Properties of Porous PDMS. Journal of Applied Mechanics, Transactions ASME, 2018, 85, .	2.2	26
54	Surface wrinkling of an elastic graded layer. Soft Matter, 2018, 14, 8717-8723.	2.7	27

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55	Thermal management of epidermal electronic devices/skin system considering insensible sweating. Scientific Reports, 2018, 8, 14121.	3.3	19
56	Transfer printing techniques for flexible and stretchable inorganic electronics. Npj Flexible Electronics, 2018, 2, .	10.7	206
57	Thermal analysis of epidermal electronic devices integrated with human skin considering the effects of interfacial thermal resistance. AIP Advances, 2018, 8, .	1.3	10
58	Thin Metallic Heat Sink for Interfacial Thermal Management in Biointegrated Optoelectronic Devices. Advanced Materials Technologies, 2018, 3, 1800159.	5.8	25
59	Flexible and Stretchable 3Ï‰ Sensors for Thermal Characterization of Human Skin. Advanced Functional Materials, 2017, 27, 1701282.	14.9	90
60	Thermal tuning of the interfacial adhesive layer on the band gaps in a one-dimensional phononic crystal. Composite Structures, 2017, 172, 311-318.	5.8	33
61	Destructive electronics from electrochemical-mechanically triggered chemical dissolution. Journal of Micromechanics and Microengineering, 2017, 27, 065010.	2.6	14
62	Analytical investigations on the thermal properties of microscale inorganic light-emitting diodes on an orthotropic substrate. AIP Advances, 2017, 7, 035208.	1.3	11
63	Thermal design of rectangular microscale inorganic light-emitting diodes. Applied Thermal Engineering, 2017, 122, 653-660.	6.0	19
64	An Accurate Thermomechanical Model for Laser-Driven Microtransfer Printing. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	25
65	Buckling of thin gel strip under swelling. Theoretical and Applied Mechanics Letters, 2017, 7, 134-137.	2.8	8
66	Ultrafast Digital Printing toward 4D Shape Changing Materials. Advanced Materials, 2017, 29, 1605390.	21.0	348
67	Bandgap Structures of SH-Wave in a One-Dimensional Phononic Crystal with Viscoelastic Interfaces. International Journal of Applied Mechanics, 2017, 09, 1750102.	2.2	11
68	Thermomechanical Analysis of Epidermal Electronic Devices Integrated With Human Skin. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	28
69	Sensors: Flexible and Stretchable 3Ï‰ Sensors for Thermal Characterization of Human Skin (Adv. Funct.) Tj ETQq1 1 0.784314 rgBT /Ov	14.9	6
70	Thermal management of micro-scale inorganic light-emittng diodes on an orthotropic substrate for biointegrated applications. Scientific Reports, 2017, 7, 6638.	3.3	17
71	Buckling of a stiff thin film on an elastic graded compliant substrate. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170410.	2.1	8
72	Multiaxial wavy top-emission organic light-emitting diodes on thermally prestrained elastomeric substrates. Organic Electronics, 2017, 48, 314-322.	2.6	14

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73	One-Dimensional Thermal Analysis of the Flexible Electronic Devices Integrated with Human Skin. Micromachines, 2016, 7, 210.	2.9	20
74	Report of IUTAM Symposium on Mechanics of Stretchable Electronics. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	2.2	0
75	3D thermal analysis of rectangular microscale inorganic light-emitting diodes in a pulsed operation. Journal Physics D: Applied Physics, 2016, 49, 405101.	2.8	17
76	Recent advances on thermal analysis of stretchable electronics. Theoretical and Applied Mechanics Letters, 2016, 6, 32-37.	2.8	15
77	Mechanics and thermal management of stretchable inorganic electronics. National Science Review, 2016, 3, 128-143.	9.5	112
78	Thermal management for microscale inorganic light-emitting diodes. Scientia Sinica: Physica, Mechanica Et Astronomica, 2016, 46, 044612.	0.4	2
79	High Fidelity Tape Transfer Printing Based On Chemically Induced Adhesive Strength Modulation. Scientific Reports, 2015, 5, 16133.	3.3	34
80	Purification of Single-Walled Carbon Nanotubes Based on Thermocapillary Flow. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	2.2	4
81	Effect of Confining Pressure on Stress Intensity Factors for Cracked Brazilian Disk. International Journal of Applied Mechanics, 2015, 07, 1550051.	2.2	28
82	Mechanics of stretchable electronics. Current Opinion in Solid State and Materials Science, 2015, 19, 160-170.	11.5	87
83	MECHANICS OF THIN FILM AND STRETCHABLE ELECTRONICS. , 2015, , 95-96.		0
84	Direct current injection and thermocapillary flow for purification of aligned arrays of single-walled carbon nanotubes. Journal of Applied Physics, 2015, 117, .	2.5	14
85	Crack-Insensitive Wearable Electronics Enabled Through High-Strength Kevlar Fabrics. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 1230-1236.	2.5	9
86	Thermal analysis for laser selective removal of metallic single-walled carbon nanotubes. Journal of Applied Physics, 2015, 117, 165102.	2.5	6
87	Mechanics designs for stretchable inorganic electronics. Chinese Science Bulletin, 2015, 60, 2079-2090.	0.7	1
88	A Simply Analytic Study of Buckled Thin Films on Compliant Substrates. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	27
89	Laser-Induced Nanoscale Thermocapillary Flow for Purification of Aligned Arrays of Single-Walled Carbon Nanotubes. ACS Nano, 2014, 8, 12641-12649.	14.6	39
90	A cohesive law for interfaces in graphene/hexagonal boron nitride heterostructure. Journal of Applied Physics, 2014, 115, .	2.5	15

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91	Thermal Tuning of Band Structures in a One-Dimensional Phononic Crystal. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	40
92	Fundamental effects in nanoscale thermocapillary flow. Journal of Applied Physics, 2014, 115, 054315.	2.5	8
93	Microwave purification of large-area horizontally aligned arrays of single-walled carbon nanotubes. Nature Communications, 2014, 5, 5332.	12.8	43
94	Thermal analysis of ultrathin, compliant sensors for characterization of the human skin. RSC Advances, 2014, 4, 5694.	3.6	12
95	Modeling of thermocapillary flow to purify single-walled carbon nanotubes. RSC Advances, 2014, 4, 42454-42461.	3.6	8
96	Periodic buckling patterns of graphene/hexagonal boron nitride heterostructure. Nanotechnology, 2014, 25, 445401.	2.6	9
97	Review on stretchable and flexible inorganic electronics. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 014201.	0.5	11
98	Injectable, Cellular-Scale Optoelectronics with Applications for Wireless Optogenetics. Science, 2013, 340, 211-216.	12.6	1,010
99	Ultrathin conformal devices for precise and continuous thermal characterization of humanÂskin. Nature Materials, 2013, 12, 938-944.	27.5	1,002
100	An analytical mechanics model for the island-bridge structure of stretchable electronics. Soft Matter, 2013, 9, 8476.	2.7	82
101	Using nanoscale thermocapillary flows to create arrays of purely semiconducting single-walled carbon nanotubes. Nature Nanotechnology, 2013, 8, 347-355.	31.5	167
102	Surface effects on in-plane buckling of nanowires on elastomeric substrates. Journal Physics D: Applied Physics, 2013, 46, 125309.	2.8	20
103	Lateral Buckling of Interconnects in a Noncoplanar Mesh Design for Stretchable Electronics. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	24
104	Thermomechanical Modeling of Scanning Joule Expansion Microscopy Imaging of Single-Walled Carbon Nanotube Devices. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	2
105	Thermal analysis of injectable, cellular-scale optoelectronics with pulsed power. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130142.	2.1	20
106	Thermal properties of microscale inorganic light-emitting diodes in a pulsed operation. Journal of Applied Physics, 2013, 113, .	2.5	24
107	A thermal analysis of the operation of microscale, inorganic light-emitting diodes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 3215-3223.	2.1	29
108	Vibration analysis of fluid-conveying nanotubes embedded in an elastic medium considering surface effects. Theoretical and Applied Mechanics Letters, 2012, 2, 031011.	2.8	1

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109	Thermo-mechanical modeling of laser-driven non-contact transfer printing: two-dimensional analysis. Soft Matter, 2012, 8, 7122.	2.7	64
110	Quantitative Thermal Imaging of Single-Walled Carbon Nanotube Devices by Scanning Joule Expansion Microscopy. ACS Nano, 2012, 6, 10267-10275.	14.6	23
111	Theory for Stretchable Interconnects. , 2012, , 1-29.		2
112	POSTBUCKLING OF PIEZOELECTRIC NANOBEAMS WITH SURFACE EFFECTS. International Journal of Applied Mechanics, 2012, 04, 1250018.	2.2	41
113	Highâ€Efficiency, Microscale GaN Lightâ€Emitting Diodes and Their Thermal Properties on Unusual Substrates. Small, 2012, 8, 1643-1649.	10.0	187
114	Axisymmetric thermo-mechanical analysis of laser-driven non-contact transfer printing. International Journal of Fracture, 2012, 176, 189-194.	2.2	37
115	Surface effects on the wrinkles in a stiff thin film bonded to a compliant substrate. Thin Solid Films, 2012, 520, 2077-2079.	1.8	13
116	Postbuckling analysis and its application to stretchable electronics. Journal of the Mechanics and Physics of Solids, 2012, 60, 487-508.	4.8	119
117	Surface effects on the postbuckling of nanowires. Journal Physics D: Applied Physics, 2011, 44, 425304.	2.8	47
118	Materials for multifunctional balloon catheters with capabilities in cardiac electrophysiological mapping and ablation therapy. Nature Materials, 2011, 10, 316-323.	27.5	670
119	Surface effects on the wrinkling of piezoelectric films on compliant substrates. Journal of Applied Physics, 2011, 110, .	2.5	35
120	Stretchability of encapsulated electronics. Applied Physics Letters, 2011, 99, 061911.	3.3	20
121	Unusual strategies for using indium gallium nitride grown on silicon (111) for solid-state lighting. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10072-10077.	7.1	228
122	Stretchable, Curvilinear Electronics Based on Inorganic Materials. Advanced Materials, 2010, 22, 2108-2124.	21.0	525
123	Micromechanics and Advanced Designs for Curved Photodetector Arrays in Hemispherical Electronicâ€Eye Cameras. Small, 2010, 6, 851-856.	10.0	94
124	INTERFACIAL SHEAR EFFECT ON HERRINGBONE PATTERN OF THIN FILMS ON COMPLIANT SUBSTRATES. International Journal of Applied Mechanics, 2010, 02, 251-264.	2.2	4
125	Herringbone buckling patterns of anisotropic thin films on elastomeric substrates. Applied Physics Letters, 2010, 96, 051913.	3.3	11
126	Mechanics of curvilinear electronics. Soft Matter, 2010, 6, 5757.	2.7	74

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127	Mechanics of stretchable inorganic electronic materials. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 1107-1125.	2.1	105
128	Mechanics of hemispherical electronics. Applied Physics Letters, 2009, 95, 181912.	3.3	19
129	Stretchable Silicon Electronics and Their Integration with Rubber, Plastic, Paper, Vinyl, Leather and Fabric Substrates. Materials Research Society Symposia Proceedings, 2009, 1196, 1.	0.1	0
130	Mechanics of noncoplanar mesh design for stretchable electronic circuits. Journal of Applied Physics, 2009, 105, .	2.5	143
131	Study of Plastic Shear Localization via the Flow Theory of Mechanism-Based Strain Gradient Plasticity. Journal of Engineering Mechanics - ASCE, 2009, 135, 132-138.	2.9	4
132	Ultrathin Silicon Circuits With Strainâ€Isolation Layers and Mesh Layouts for Highâ€Performance Electronics on Fabric, Vinyl, Leather, and Paper. Advanced Materials, 2009, 21, 3703-3707.	21.0	375
133	Optimized Structural Designs for Stretchable Silicon Integrated Circuits. Small, 2009, 5, 2841-2847.	10.0	153
134	Material and structural instabilities of single-wall carbon nanotubes. Acta Mechanica Sinica/Lixue Xuebao, 2008, 24, 285-288.	3.4	5
135	The intrinsic stiffness of single-wall carbon nanotubes. Mechanics Research Communications, 2008, 35, 2-9.	1.8	8
136	Can a single-wall carbon nanotube be modeled as a thin shell?. Journal of the Mechanics and Physics of Solids, 2008, 56, 2213-2224.	4.8	87
137	A cohesive law for interfaces between multi-wall carbon nanotubes and polymers due to the van der Waals interactions. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3261-3267.	6.6	70
138	Buckling of a stiff thin film on a compliant substrate in large deformation. International Journal of Solids and Structures, 2008, 45, 3107-3121.	2.7	234
139	A hemispherical electronic eye camera based on compressible silicon optoelectronics. Nature, 2008, 454, 748-753.	27.8	1,211
140	Stretchable and Foldable Silicon Integrated Circuits. Science, 2008, 320, 507-511.	12.6	1,474
141	An analytical study of two-dimensional buckling of thin films on compliant substrates. Journal of Applied Physics, 2008, 103, .	2.5	133
142	Continuum modeling of boron nitride nanotubes. Nanotechnology, 2008, 19, 445705.	2.6	33
143	A Finite-Deformation Shell Theory for Carbon Nanotubes Based on the Interatomic Potentialâ€”Part I: Basic Theory. Journal of Applied Mechanics, Transactions ASME, 2008, 75, .	2.2	8
144	A Finite-Deformation Shell Theory for Carbon Nanotubes Based on the Interatomic Potentialâ€”Part II: Instability Analysis. Journal of Applied Mechanics, Transactions ASME, 2008, 75, .	2.2	8

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145	Materials and noncoplanar mesh designs for integrated circuits with linear elastic responses to extreme mechanical deformations. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18675-18680.	7.1	625
146	Local versus global buckling of thin films on elastomeric substrates. Applied Physics Letters, 2008, 93, .	3.3	73
147	Complementary metal oxide silicon integrated circuits incorporating monolithically integrated stretchable wavy interconnects. Applied Physics Letters, 2008, 93, 044102.	3.3	39
148	Indentation size effect: a study via the Mechanism-based Strain-Gradient plasticity theory. International Journal of Surface Science and Engineering, 2007, 1, 156.	0.4	8
149	Edge effects in buckled thin films on elastomeric substrates. Applied Physics Letters, 2007, 91, 133113.	3.3	31
150	Biaxially Stretchable â€œWavyâ€•Silicon Nanomembranes. Nano Letters, 2007, 7, 1655-1663.	9.1	356
151	Finite deformation mechanics in buckled thin films on compliant supports. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15607-15612.	7.1	626
152	The effect of indenter angle on the microindentation hardness. Acta Materialia, 2007, 55, 6127-6132.	7.9	36
153	Stoneâ€“Wales transformation in boron nitride nanotubes. Scripta Materialia, 2007, 57, 571-574.	5.2	27
154	3-D dynamic elasticâ€“plastic FEA for rotating disk indirect barâ€“bar tensile impact apparatus: numerical analysis for the generation of mechanically-filtered incident stress pulses. International Journal of Impact Engineering, 2006, 32, 1313-1338.	5.0	10
155	Stoneâ€“Wales transformation: Precursor of fracture in carbon nanotubes. International Journal of Mechanical Sciences, 2006, 48, 1464-1470.	6.7	29
156	Deformation and bifurcation analysis of boron-nitride nanotubes. International Journal of Mechanical Sciences, 2006, 48, 1197-1207.	6.7	40
157	Numerical Simulation of Stretchable and Foldable Silicon Integrated Circuits. Advanced Materials Research, 0, 74, 197-200.	0.3	0