Xuanhe Zhao

List of Publications by Year
in descending order

170 papers	34,624 citations	5430 85 h-index	5739 167 g-index
181 all docs	181 docs citations	181 times ranked	29879 citing authors

#	Article	IF	Citations
1	Highly stretchable and tough hydrogels. Nature, 2012, 489, 133-136.	13.7	4,089
2	Printing ferromagnetic domains for untethered fast-transforming soft materials. Nature, 2018, 558, 274-279.	13.7	1,426
3	Hydrogel bioelectronics. Chemical Society Reviews, 2019, 48, 1642-1667.	18.7	1,267
4	Multi-scale multi-mechanism design of tough hydrogels: building dissipation into stretchy networks. Soft Matter, 2014, 10, 672-687.	1.2	938
5	Tough bonding of hydrogels to diverse non-porousÂsurfaces. Nature Materials, 2016, 15, 190-196.	13.3	807
6	Dry double-sided tape for adhesion of wet tissues and devices. Nature, 2019, 575, 169-174.	13.7	798
7	A theory of coupled diffusion and large deformation in polymeric gels. Journal of the Mechanics and Physics of Solids, 2008, 56, 1779-1793.	2.3	790
8	Hydraulic hydrogel actuators and robots optically and sonically camouflaged in water. Nature Communications, 2017, 8, 14230.	5.8	760
9	Multifunctionality and control of the crumpling and unfolding of large-area graphene. Nature Materials, 2013, 12, 321-325.	13.3	735
10	3D Printing of Highly Stretchable and Tough Hydrogels into Complex, Cellularized Structures. Advanced Materials, 2015, 27, 4035-4040.	11.1	720
11	Ferromagnetic soft continuum robots. Science Robotics, 2019, 4, .	9.9	698
12	Skin-inspired hydrogelâ€"elastomer hybrids with robust interfaces and functional microstructures. Nature Communications, 2016, 7, 12028.	5.8	696
13	Active scaffolds for on-demand drug and cell delivery. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 67-72.	3.3	630
14	Hydrogel machines. Materials Today, 2020, 36, 102-124.	8.3	625
15	3D printing of conducting polymers. Nature Communications, 2020, 11, 1604.	5.8	568
16	Stretchable Hydrogel Electronics and Devices. Advanced Materials, 2016, 28, 4497-4505.	11.1	550
17	Pure PEDOT:PSS hydrogels. Nature Communications, 2019, 10, 1043.	5.8	528
18	Soft Materials by Design: Unconventional Polymer Networks Give Extreme Properties. Chemical Reviews, 2021, 121, 4309-4372.	23.0	472

#	ARTICLE	IF	CITATIONS
19	A nonlinear field theory of deformable dielectrics. Journal of the Mechanics and Physics of Solids, 2008, 56, 467-486.	2.3	465
20	Graded intrafillable architecture-based iontronic pressure sensor with ultra-broad-range high sensitivity. Nature Communications, 2020, 11, 209.	5.8	426
21	Soft wall-climbing robots. Science Robotics, 2018, 3, .	9.9	419
22	Method to analyze electromechanical stability of dielectric elastomers. Applied Physics Letters, 2007, 91, .	1.5	395
23	Matrix elasticity of void-forming hydrogels controls transplanted-stem-cell-mediated boneÂformation. Nature Materials, 2015, 14, 1269-1277.	13.3	390
24	Ultrasound-triggered disruption and self-healing of reversibly cross-linked hydrogels for drug delivery and enhanced chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9762-9767.	3.3	372
25	Electrical bioadhesive interface for bioelectronics. Nature Materials, 2021, 20, 229-236.	13.3	361
26	Electromechanical hysteresis and coexistent states in dielectric elastomers. Physical Review B, 2007, 76, .	1.1	327
27	Highly Stretchable, Strain Sensing Hydrogel Optical Fibers. Advanced Materials, 2016, 28, 10244-10249.	11.1	327
28	Muscle-like fatigue-resistant hydrogels by mechanical training. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10244-10249.	3.3	318
29	Mechanochemical Activation of Covalent Bonds in Polymers with Full and Repeatable Macroscopic Shape Recovery. ACS Macro Letters, 2014, 3, 216-219.	2.3	309
30	Mechanics of hard-magnetic soft materials. Journal of the Mechanics and Physics of Solids, 2019, 124, 244-263.	2.3	307
31	Anti-fatigue-fracture hydrogels. Science Advances, 2019, 5, eaau8528.	4.7	305
32	Theory of Dielectric Elastomers Capable of Giant Deformation of Actuation. Physical Review Letters, 2010, 104, 178302.	2.9	300
33	A theory of constrained swelling of a pH-sensitive hydrogel. Soft Matter, 2010, 6, 784.	1.2	288
34	Stress-relaxation behavior in gels with ionic and covalent crosslinks. Journal of Applied Physics, 2010, 107, 63509.	1.1	287
35	Maximal energy that can be converted by a dielectric elastomer generator. Applied Physics Letters, 2009, 94, .	1.5	279
36	3D Printing of Living Responsive Materials and Devices. Advanced Materials, 2018, 30, 1704821.	11.1	277

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37	Multifunctional â€œHydrogel Skinsâ€• on Diverse Polymers with Arbitrary Shapes. Advanced Materials, 2019, 31, e1807101.	11.1	258
38	Mechanisms of large actuation strain in dielectric elastomers. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 504-515.	2.4	252
39	Magnetic Soft Materials and Robots. Chemical Reviews, 2022, 122, 5317-5364.	23.0	249
40	Electrical breakdown and ultrahigh electrical energy density in poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (fluoride-he	1.5	242
41	Large deformation and electrochemistry of polyelectrolyte gels. Journal of the Mechanics and Physics of Solids, 2010, 58, 558-577.	2.3	237
42	Using indentation to characterize the poroelasticity of gels. Applied Physics Letters, 2010, 96, .	1.5	236
43	Electrostriction in elastic dielectrics undergoing large deformation. Journal of Applied Physics, 2008, 104, .	1.1	222
44	Composite Threeâ€Dimensional Woven Scaffolds with Interpenetrating Network Hydrogels to Create Functional Synthetic Articular Cartilage. Advanced Functional Materials, 2013, 23, 5833-5839.	7.8	218
45	Stretchable living materials and devices with hydrogelâ€“elastomer hybrids hosting programmed cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2200-2205.	3.3	212
46	Instant tough bioadhesive with triggerable benign detachment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15497-15503.	3.3	210
47	Controlled crack propagation for atomic precision handling of wafer-scale two-dimensional materials. Science, 2018, 362, 665-670.	6.0	208
48	Stretchable and High-Performance Supercapacitors with Crumpled Graphene Papers. Scientific Reports, 2014, 4, 6492.	1.6	207
49	A New 3D Printing Strategy by Harnessing Deformation, Instability, and Fracture of Viscoelastic Inks. Advanced Materials, 2018, 30, 1704028.	11.1	207
50	Formation of creases on the surfaces of elastomers and gels. Applied Physics Letters, 2009, 95, .	1.5	205
51	Cephalopod-inspired design of electro-mechano-chemically responsive elastomers for on-demand fluorescent patterning. Nature Communications, 2014, 5, 4899.	5.8	202
52	Fatigue-resistant adhesion of hydrogels. Nature Communications, 2020, 11, 1071.	5.8	187
53	A three-dimensional phase diagram of growth-induced surface instabilities. Scientific Reports, 2015, 5, 8887.	1.6	175
54	Harnessing Localized Ridges for Highâ€Aspectâ€Ratio Hierarchical Patterns with Dynamic Tunability and Multifunctionality. Advanced Materials, 2014, 26, 1763-1770.	11.1	171

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55	Harnessing the hygroscopic and biofluorescent behaviors of genetically tractable microbial cells to design biohybrid wearables. Science Advances, 2017, 3, e1601984.	4.7	170
56	A soft neuroprosthetic hand providing simultaneous myoelectric control and tactile feedback. Nature Biomedical Engineering, 2023, 7, 589-598.	11.6	169
57	Ingestible hydrogel device. Nature Communications, 2019, 10, 493.	5.8	168
58	Averting cracks caused by insertion reaction in lithiumâ€"ion batteries. Journal of Materials Research, 2010, 25, 1007-1010.	1.2	161
59	Design of stiff, tough and stretchy hydrogel composites via nanoscale hybrid crosslinking and macroscale fiber reinforcement. Soft Matter, 2014, 10, 7519-7527.	1.2	155
60	Rapid and coagulation-independent haemostatic sealing by a paste inspired by barnacle glue. Nature Biomedical Engineering, 2021, 5, 1131-1142.	11.6	146
61	Harnessing large deformation and instabilities of soft dielectrics: Theory, experiment, and application. Applied Physics Reviews, 2014, 1, 021304.	5.5	144
62	Designing complex architectured materials with generative adversarial networks. Science Advances, 2020, 6, eaaz4169.	4.7	144
63	Propagation of instability in dielectric elastomers. International Journal of Solids and Structures, 2008, 45, 3739-3750.	1.3	143
64	NONEQUILIBRIUM THERMODYNAMICS OF DIELECTRIC ELASTOMERS. International Journal of Applied Mechanics, 2011, 03, 203-217.	1.3	143
65	A theory for large deformation and damage of interpenetrating polymer networks. Journal of the Mechanics and Physics of Solids, 2012, 60, 319-332.	2.3	143
66	Simulation of polycrystalline structure with Voronoi diagram in Laguerre geometry based on random closed packing of spheres. Computational Materials Science, 2004, 29, 301-308.	1.4	142
67	Strong adhesion of wet conducting polymers on diverse substrates. Science Advances, 2020, 6, eaay5394.	4.7	141
68	Bioinspired Surfaces with Dynamic Topography for Active Control of Biofouling. Advanced Materials, 2013, 25, 1430-1434.	11.1	140
69	Localized ridge wrinkling of stiff films on compliant substrates. Journal of the Mechanics and Physics of Solids, 2012, 60, 1265-1279.	2.3	138
70	Strong, Tough, Stretchable, and Selfâ€Adhesive Hydrogels from Intrinsically Unstructured Proteins. Advanced Materials, 2017, 29, 1604743.	11.1	130
71	Adaptive and multifunctional hydrogel hybrid probes for long-term sensing and modulation of neural activity. Nature Communications, 2021, 12, 3435.	5.8	130
72	Method to analyze programmable deformation of dielectric elastomer layers. Applied Physics Letters, 2008, 93, .	1.5	127

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73	A large deformation viscoelastic model for double-network hydrogels. Journal of the Mechanics and Physics of Solids, 2017, 100, 103-130.	2.3	127
74	Designing toughness and strength for soft materials. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8138-8140.	3.3	123
75	Hard-magnetic elastica. Journal of the Mechanics and Physics of Solids, 2020, 142, 104045.	2.3	123
76	Predicting fracture energies and crack-tip fields of soft tough materials. Extreme Mechanics Letters, 2015, 4, 1-8.	2.0	116
77	Telerobotic neurovascular interventions with magnetic manipulation. Science Robotics, 2022, 7, eabg9907.	9.9	114
78	Evaluation of Mixing Rules for Dielectric Constants of Composite Dielectrics by MC-FEM Calculation on 3D Cubic Lattice. , 2003, 11, 227-239.		112
79	Beyond wrinkles: Multimodal surface instabilities for multifunctional patterning. MRS Bulletin, 2016, 41, 115-122.	1.7	111
80	A finite element method for transient analysis of concurrent large deformation and mass transport in gels. Journal of Applied Physics, 2009, 105, .	1.1	110
81	Hydrogel-based biocontainment of bacteria for continuous sensing and computation. Nature Chemical Biology, 2021, 17, 724-731.	3.9	110
82	Creasing to Cratering Instability in Polymers under Ultrahigh Electric Fields. Physical Review Letters, 2011, 106, 118301.	2.9	104
83	Ideal reversible polymer networks. Soft Matter, 2018, 14, 5186-5196.	1.2	103
84	High stretchability, strength, and toughness of living cells enabled by hyperelastic vimentin intermediate filaments. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17175-17180.	3.3	103
85	Phase Diagrams of Instabilities in Compressed Film-Substrate Systems. Journal of Applied Mechanics, Transactions ASME, 2014, 81, 0510041-5100410.	1.1	92
86	Dielectric elastomer membranes undergoing inhomogeneous deformation. Journal of Applied Physics, 2009, 106, .	1.1	91
87	Separating viscoelasticity and poroelasticity of gels with different length and time scales. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 20-27.	1.5	90
88	Increasing the Maximum Achievable Strain of a Covalent Polymer Gel Through the Addition of Mechanically Invisible Crossâ€Links. Advanced Materials, 2014, 26, 6013-6018.	11.1	88
89	On designing dielectric elastomer actuators. Journal of Applied Physics, 2008, 104, .	1.1	86
90	Evolutionary design of magnetic soft continuum robots. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	85

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91	Mechanics of mechanochemically responsive elastomers. Journal of the Mechanics and Physics of Solids, 2015, 82, 320-344.	2.3	82
92	A strain-programmed patch for the healing of diabetic wounds. Nature Biomedical Engineering, 2022, 6, 1118-1133.	11.6	82
93	Separating poroviscoelastic deformation mechanisms in hydrogels. Applied Physics Letters, 2013, 102, .	1.5	80
94	3D Printing: 3D Printing of Highly Stretchable and Tough Hydrogels into Complex, Cellularized Structures (Adv. Mater. 27/2015). Advanced Materials, 2015, 27, 4034-4034.	11.1	77
95	A Multifunctional Origami Patch for Minimally Invasive Tissue Sealing. Advanced Materials, 2021, 33, e2007667.	11.1	77
96	Magnetic Living Hydrogels for Intestinal Localization, Retention, and Diagnosis. Advanced Functional Materials, 2021, 31, 2010918.	7.8	77
97	A One-Step Method of Hydrogel Modification by Single-Walled Carbon Nanotubes for Highly Stretchable and Transparent Electronics. ACS Applied Materials & Interfaces, 2018, 10, 28069-28075.	4.0	75
98	Engineered Living Hydrogels. Advanced Materials, 2022, 34, e2201326.	11.1	75
99	Kirigami enhances film adhesion. Soft Matter, 2018, 14, 2515-2525.	1.2	74
100	Reversible Sliding in Networks of Nanowires. Nano Letters, 2013, 13, 2381-2386.	4.5	71
101	Poroelasticity of a covalently crosslinked alginate hydrogel under compression. Journal of Applied Physics, 2010, 108, .	1.1	69
102	An off-the-shelf bioadhesive patch for sutureless repair of gastrointestinal defects. Science Translational Medicine, 2022, 14, eabh2857.	5.8	67
103	Shaping the future of robotics through materials innovation. Nature Materials, 2021, 20, 1582-1587.	13.3	65
104	Electromechanical instability in semicrystalline polymers. Applied Physics Letters, 2009, 95, .	1.5	62
105	Tough and tunable adhesion of hydrogels: experiments and models. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 543-554.	1.5	62
106	Bursting drops in solid dielectrics caused by high voltages. Nature Communications, 2012, 3, 1157.	5.8	60
107	Folding artificial mucosa with cell-laden hydrogels guided by mechanics models. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7503-7508.	3.3	60
108	Bioinspired Reversibly Crossâ€linked Hydrogels Comprising Polypeptide Micelles Exhibit Enhanced Mechanical Properties. Advanced Functional Materials, 2015, 25, 3122-3130.	7.8	59

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109	Three-dimensional simulations of the complex dielectric properties of random composites by finite element method. Journal of Applied Physics, 2004, 95, 8110-8117.	1.1	58
110	Impermeable Robust Hydrogels via Hybrid Lamination. Advanced Healthcare Materials, 2017, 6, 1700520.	3.9	58
111	Inhomogeneous and anisotropic equilibrium state of a swollen hydrogel containing a hard core. Applied Physics Letters, 2008, 92, .	1.5	56
112	Strong fatigue-resistant nanofibrous hydrogels inspired by lobster underbelly. Matter, 2021, 4, 1919-1934.	5.0	56
113	Avoiding the pull-in instability of a dielectric elastomer film and the potential for increased actuation and energy harvesting. Soft Matter, 2017, 13, 4552-4558.	1.2	53
114	Ultrathin and Robust Hydrogel Coatings on Cardiovascular Medical Devices to Mitigate Thromboembolic and Infectious Complications. Advanced Healthcare Materials, 2020, 9, e2001116.	3.9	53
115	Creasing-wrinkling transition in elastomer films under electric fields. Physical Review E, 2013, 88, 042403.	0.8	51
116	Soft Robotic Concepts in Catheter Design: an Onâ€Demand Foulingâ€Release Urinary Catheter. Advanced Healthcare Materials, 2014, 3, 1588-1596.	3.9	50
117	Hydration and swelling of dry polymers for wet adhesion. Journal of the Mechanics and Physics of Solids, 2020, 137, 103863.	2.3	50
118	Dynamic Electrostatic Lithography: Multiscale Onâ€Demand Patterning on Largeâ€Area Curved Surfaces. Advanced Materials, 2012, 24, 1947-1951.	11.1	49
119	Electro-creasing instability in deformed polymers: experiment and theory. Soft Matter, 2011, 7, 6583.	1.2	44
120	Multimodal Surface Instabilities in Curved Filmâ€"Substrate Structures. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	1.1	39
121	Electromechanical instability on dielectric polymer surface: Modeling and experiment. Computer Methods in Applied Mechanics and Engineering, 2013, 260, 40-49.	3.4	38
122	Instabilities in confined elastic layers under tension: Fringe, fingering and cavitation. Journal of the Mechanics and Physics of Solids, 2017, 106, 229-256.	2.3	37
123	Tunable stiffness of electrorheological elastomers by designing mesostructures. Applied Physics Letters, 2013, 103, .	1.5	36
124	Soft microbots programmed by nanomagnets. Nature, 2019, 575, 58-59.	13.7	36
125	Revisiting the Instability and Bifurcation Behavior of Soft Dielectrics. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	1.1	35
126	Designing extremely resilient and tough hydrogels via delayed dissipation. Extreme Mechanics Letters, 2014, 1, 70-75.	2.0	34

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127	Tunable lotus-leaf and rose-petal effects via graphene paper origami. Extreme Mechanics Letters, 2015, 4, 18-25.	2.0	34
128	Fracture of polymer networks with diverse topological defects. Physical Review E, 2020, 102, 052503.	0.8	33
129	Dynamic intermolecular interactions through hydrogen bonding of water promote heat conduction in hydrogels. Materials Horizons, 2020, 7, 2936-2943.	6.4	33
130	Microbristle in gels: Toward all-polymer reconfigurable hybrid surfaces. Soft Matter, 2010, 6, 750.	1.2	32
131	Dynamic surface deformation of silicone elastomers for management of marine biofouling: laboratory and field studies using pneumatic actuation. Biofouling, 2015, 31, 265-274.	0.8	32
132	Metagel with Broadband Tunable Acoustic Properties Over Airâ€"Waterâ€"Solid Ranges. Advanced Functional Materials, 2019, 29, 1903699.	7.8	31
133	Bioinspired metagel with broadband tunable impedance matching. Science Advances, 2020, 6, .	4.7	31
134	Drying-induced bifurcation in a hydrogel-actuated nanostructure. Journal of Applied Physics, 2008, 104, .	1.1	30
135	An organosynthetic dynamic heart model with enhanced biomimicry guided by cardiac diffusion tensor imaging. Science Robotics, 2020, 5, .	9.9	30
136	Cell mediated contraction in 3D cell-matrix constructs leads to spatially regulated osteogenic differentiation. Integrative Biology (United Kingdom), 2013, 5, 1174.	0.6	29
137	Fracture and fatigue of entangled and unentangled polymer networks. Extreme Mechanics Letters, 2022, 51, 101608.	2.0	29
138	Urinary catheter capable of repeated on-demand removal of infectious biofilms via active deformation. Biomaterials, 2016, 77, 77-86.	5.7	28
139	Magnetoactive sponges for dynamic control of microfluidic flow patterns in microphysiological systems. Lab on A Chip, 2014, 14, 514-521.	3.1	27
140	Design considerations for an integrated microphysiological muscle tissue for drug and tissue toxicity testing. Stem Cell Research and Therapy, 2013, 4, S10.	2.4	25
141	Probing Surface Hydration and Molecular Structure of Zwitterionic and Polyacrylamide Hydrogels. Langmuir, 2019, 35, 13292-13300.	1.6	25
142	Stretchable Antiâ€Fogging Tapes for Diverse Transparent Materials. Advanced Functional Materials, 2021, 31, 2103551.	7.8	25
143	Fracture and fatigue of ideal polymer networks. Extreme Mechanics Letters, 2021, 48, 101399.	2.0	24
144	Mechanical constraints enhance electrical energy densities of soft dielectrics. Applied Physics Letters, 2011, 99, .	1.5	22

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145	Magnetic soft continuum robots with contact forces. Extreme Mechanics Letters, 2022, 51, 101604.	2.0	22
146	Fringe instability in constrained soft elastic layers. Soft Matter, 2016, 12, 8899-8906.	1.2	21
147	Composite Cellularized Structures Created from an Interpenetrating Polymer Network Hydrogel Reinforced by a 3D Woven Scaffold. Macromolecular Bioscience, 2018, 18, e1800140.	2.1	21
148	Incorporation of silicone oil into elastomers enhances barnacle detachment by active surface strain. Biofouling, 2016, 32, 1017-1028.	0.8	19
149	Stretching and polarizing a dielectric gel immersed in a solvent. International Journal of Solids and Structures, 2008, 45, 4021-4031.	1.3	16
150	Electromechanical instabilities of thermoplastics: Theory and in situ observation. Applied Physics Letters, 2012, 101, 141911.	1.5	16
151	Superior environmentally friendly stretchable supercapacitor based on nitrogen-doped graphene/hydrogel and single-walled carbon nanotubes. Journal of Energy Storage, 2020, 30, 101505.	3.9	15
152	An extreme toughening mechanism for soft materials. Soft Matter, 2022, 18, 5742-5749.	1.2	15
153	The Determination of the Location of Contact Electrification-Induced Discharge Events. Journal of Physical Chemistry C, 2010, 114, 20885-20895.	1.5	14
154	Ultrasoundâ€Responsive Aqueous Twoâ€Phase Microcapsules for Onâ€Demand Drug Release. Angewandte Chemie - International Edition, 2022, 61, .	7.2	14
155	Deformation-induced cleaning of organically fouled membranes: Fundamentals and techno-economic assessment for spiral-wound membranes. Journal of Membrane Science, 2021, 626, 119169.	4.1	13
156	Material-stiffening suppresses elastic fingering and fringe instabilities. International Journal of Solids and Structures, 2018, 139-140, 96-104.	1.3	12
157	Designing Ferromagnetic Soft Robots (FerroSoRo) with Level-Set-Based Multiphysics Topology Optimization. , 2020, , .		12
158	Mechanochemically Responsive Viscoelastic Elastomers. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	1.1	10
159	Modular Integration of Hydrogel Neural Interfaces. ACS Central Science, 2021, 7, 1516-1523.	5.3	9
160	EML webinar overview: Extreme mechanics of soft materials for merging humanâ€"machineâ€‹ intelligence. Extreme Mechanics Letters, 2020, 39, 100784.	2.0	9
161	Thermodynamic analysis and material design to enhance chemo-mechanical coupling in hydrogels for energy harvesting from salinity gradients. Journal of Applied Physics, 2020, 128, .	1.1	8
162	On-demand hierarchical patterning with electric fields. Applied Physics Letters, 2014, 104, 231605.	1.5	7

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163	A path-following simulation-based study of elastic instabilities in nearly-incompressible confined cylinders under tension. Journal of the Mechanics and Physics of Solids, 2019, 131, 252-275.	2.3	4
164	Ultrasoundâ€Responsive Aqueous Twoâ€Phase Microcapsules for Onâ€Demand Drug Release. Angewandte Chemie, 2022, 134, .	1.6	4
165	A theory of large deformation in soft active materials. , 2008, , .		2
166	Magneto-rheological foams capable of tunable energy absorption. , 2013, , .		2
167	Nanostructured artificial-muscle fibres. Nature Nanotechnology, 2022, 17, 677-678.	15.6	2
168	Telerobotically Controlled Magnetic Soft Continuum Robots for Neurovascular Interventions. , 2022, , .		2
169	Reply from the authors: Deformation-induced cleaning of organically fouled membranes. Journal of Membrane Science, 2022, 642, 119961.	4.1	0
170	Abstract TMP61: Telerobotic Neurovascular Interventions With Magnetic Manipulation. Stroke, 2022, 53, .	1.0	0