

# Qibing Pei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

281 papers	24,679 citations	74 h-index	153 g-index
314 ext. papers	27,350 ext. citations	9.8 avg, IF	7.18 L-index

#	Paper	IF	Citations
281	Electrocaloric effects in ferroelectric polymers <b>2022</b> , 535-570		0
280	Stiffness variable polymers comprising phase-changing side-chains: material syntheses and application explorations.. <i>Advanced Materials</i> , <b>2022</b> , e2109798	24	2
279	A unimorph nanocomposite dielectric elastomer for large out-of-plane actuation.. <i>Science Advances</i> , <b>2022</b> , 8, eabm6200	14.3	9
278	Structures and Materials in Stretchable Electroluminescent Devices. <i>Advanced Materials</i> , <b>2021</b> , e2106184	14.4	6
277	Large-area display textiles integrated with functional systems. <i>Nature</i> , <b>2021</b> , 591, 240-245	50.4	177
276	Electrocaloric cooling over high device temperature span. <i>Joule</i> , <b>2021</b> , 5, 780-793	27.8	7
275	Bioinspired four-dimensional polymeric aerogel with programmable temporal-spatial multiscale structure and functionality. <i>Composites Science and Technology</i> , <b>2021</b> , 206, 108677	8.6	2
274	Skin temperature-triggered, debonding-on-demand sticker for a self-powered mechanosensitive communication system. <i>Matter</i> , <b>2021</b> , 4, 1962-1974	12.7	13
273	A Plastic Scintillator Based on an Efficient Thermally Activated Delayed Fluorescence Emitter 9-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)-2-methylphenyl)-3,6-dioctyl-9H-carbazole for Pulse Shape Discrimination Measurement. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001975	8.1	5
272	Scintillation Liquids Loaded with Hafnium Oxide Nanoparticles for Spectral Resolution of $\gamma$ Rays. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1220-1227	5.6	3
271	Automatically Modulated Thermoresponsive Film Based on a Phase-Changing Copolymer. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 7232-7241	9.6	4
270	Stable and High-Strain Dielectric Elastomer Actuators Based on a Carbon Nanotube-Polymer Bilayer Electrode. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008321	15.6	14
269	Fundamentals of Materials Selection for Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909102	15.6	20
268	Self-Actuating Electrocaloric Cooling Fibers. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903902	21.8	12
267	Highly transparent and conductive metal oxide/metal/polymer composite electrodes for high-efficiency flexible organic light-emitting devices. <i>Nanophotonics</i> , <b>2020</b> , 9, 3567-3573	6.3	2
266	Conductive liquid metal elastomer thin films with multifunctional electro-mechanical properties. <i>Multifunctional Materials</i> , <b>2020</b> , 3, 044001	5.2	8
265	Intensification of Vertical Phase Separation for Efficient Polymer Solar Cell via Piecewise Spray Assisted by a Solvent Driving Force. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900458	7.1	11

264	Hierarchically Structured Stretchable Conductive Hydrogels for High-Performance Wearable Strain Sensors and Supercapacitors. <i>Matter</i> , <b>2020</b> , 3, 1196-1210	12.7	46
263	Silver Nanowire-Bacterial Cellulose Composite Fiber-Based Sensor for Highly Sensitive Detection of Pressure and Proximity. <i>ACS Nano</i> , <b>2020</b> , 14, 15428-15439	16.7	50
262	A Phase-Changing Polymer Film for Broadband Smart Window Applications. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000290	4.8	6
261	Light-Emitting Conjugated Polymers: Fundamentals of Materials Selection for Light-Emitting Electrochemical Cells (Adv. Funct. Mater. 33/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070220	15.6	
260	A cascade electrocaloric cooling device for large temperature lift. <i>Nature Energy</i> , <b>2020</b> , 5, 996-1002	62.3	36
259	Dual-Stimuli-Responsive Polymer Composite with Ultrawide Tunable Stiffness Range Triggered by Water and Temperature. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2008-2015	4.3	5
258	Dielectric Elastomer Artificial Muscle: Materials Innovations and Device Explorations. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 316-325	24.3	113
257	Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807516	24	43
256	Morphological/nanostructural control toward intrinsically stretchable organic electronics. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 1741-1786	58.5	87
255	Quantum Dot LEDs: Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes (Adv. Mater. 22/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970157	24	2
254	Plastic scintillators based on thermally activated delayed fluorescence dyes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 940, 185-198	1.2	6
253	A Self-Conformable Smart Skin with Sensing and Variable Stiffness Functions. <i>Advanced Intelligent Systems</i> , <b>2019</b> , 1, 1900054	6	5
252	Homogeneous Freestanding Luminescent Perovskite Organogel with Superior Water Stability. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902928	24	23
251	Stretchable Transparent Wireless Charging Coil Fabricated by Negative Transfer Printing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 40677-40684	9.5	6
250	Bistable electroactive polymers for refreshable tactile displays <b>2019</b> ,		1
249	Mechanically robust reduced graphene oxide/bacterial cellulose film obtained via biosynthesis for flexible supercapacitor. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 829-837	14.7	46
248	Flexible graphene composites with high thermal conductivity as efficient heat sinks in high-power LEDs. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 025103	3	12
247	Monolithically Integrated Self-Charging Power Pack Consisting of a Silicon Nanowire Array/Conductive Polymer Hybrid Solar Cell and a Laser-Scribed Graphene Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15609-15615	9.5	49

246	Controllable and reversible tuning of material rigidity for robot applications. <i>Materials Today</i> , <b>2018</b> , 21, 563-576	21.8	101
245	Solution-Processed Warm White Organic Light-Emitting Diodes Based on a Blue Thermally Activated Delayed Fluorescence Dendrimer. <i>ChemPlusChem</i> , <b>2018</b> , 83, 274-278	2.8	18
244	Preparation of multiblock copolymers step-wise addition of L-lactide and trimethylene carbonate. <i>Chemical Science</i> , <b>2018</b> , 9, 2168-2178	9.4	18
243	Realization of Large-Scale Polymer Solar Cells Using Ultrasonic Spray Technique Via Solvent Engineering. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800064	7.1	12
242	Reduced polyaniline decorated reduced graphene oxide/polyimide nanocomposite films with enhanced dielectric properties and thermostability. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 109, 578-584	8.4	32
241	Morphological study of an intrinsically stretchable photovoltaic bulk heterojunction. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 814-820	2.6	7
240	Refreshable Tactile Display Based on a Bistable Electroactive Polymer and a Stretchable Serpentine Joule Heating Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24807-24815	9.5	30
239	High-Z Sensitized Plastic Scintillators: A Review. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706956	24	78
238	The Feasibility of Healable Electronics and Mechanical Behavior of Silver Nanowire (AgNW)/Healable Polymer Composite. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700364	6.8	11
237	Dielectric elastomers: past, present, and potential future <b>2018</b> ,		7
236	Electrolyte-gated light-emitting transistors: working principle and applications. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 253-263	7.8	11
235	A general gelation strategy for 1D nanowires: dynamically stable functional gels for 3D printing flexible electronics. <i>Nanoscale</i> , <b>2018</b> , 10, 20096-20107	7.7	30
234	Formation of unique three-dimensional interpenetrating network structure with a ternary composite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 18699-18707	2.1	2
233	A Solution Processed Flexible Nanocomposite Substrate with Efficient Light Extraction via Periodic Wrinkles for White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1801015	8.1	19
232	Enhanced dielectric performance of PDMS-based three-phase percolative nanocomposite films incorporating a high dielectric constant ceramic and conductive multi-walled carbon nanotubes. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10829-10837	7.1	39
231	Gram-Scale Synthesis of Blue-Emitting CHNHPbBr Quantum Dots Through Phase Transfer Strategy. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 444	5	16
230	Bistable and Reconfigurable Photonic Crystals/Electroactive Shape Memory Polymer Nanocomposite for Ink-Free Rewritable Paper. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802430	15.6	50
229	Removable Large-Area UltrasMOOTH Silver Nanowire Transparent Composite Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4733-4741	9.5	43

228	Macrofibers with High Mechanical Performance Based on Aligned Bacterial Cellulose Nanofibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20330-20339	9.5	93
227	Intrinsically stretchable field-effect transistors. <i>MRS Bulletin</i> , <b>2017</b> , 42, 131-137	3.2	9
226	Rollerball-Pen-Drawing Technology for Extremely Foldable Paper-Based Electronics. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700098	6.4	26
225	Multi-Colored Light-Emitting Electrochemical Cells Based on Thermal Activated Delayed Fluorescence Host. <i>Scientific Reports</i> , <b>2017</b> , 7, 1524	4.9	28
224	Study of White Electroluminescence from a Single-Component Polymer Using an Electrolyte-Gated Diode. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 10112-10118	3.8	10
223	Gate-Tunable Electron Injection Based Organic Light-Emitting Diodes for Low-Cost and Low-Voltage Active Matrix Displays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16750-16755	9.5	15
222	Spatial exciton allocation strategy with reduced energy loss for high-efficiency fluorescent/phosphorescent hybrid white organic light-emitting diodes. <i>Materials Horizons</i> , <b>2017</b> , 4, 641-648	14.4	42
221	12-1: Invited Paper: Stretchable Transparent Electrodes Based on Silver Nanowires. <i>Digest of Technical Papers SID International Symposium</i> , <b>2017</b> , 48, 139-142	0.5	2
220	Transparent Ultra-High-Loading Quantum Dot/Polymer Nanocomposite Monolith for Gamma Scintillation. <i>ACS Nano</i> , <b>2017</b> , 11, 6422-6430	16.7	66
219	Electrolyte-Gated Red, Green, and Blue Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 12647-12653	9.5	12
218	Stretchable Light-Emitting Diodes with Organometal-Halide-Perovskite-Polymer Composite Emitters. <i>Advanced Materials</i> , <b>2017</b> , 29, 1607053	24	113
217	Highly flexible organometal halide perovskite quantum dot based light-emitting diodes on a silver nanowire/polymer composite electrode. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 531-538	7.1	62
216	A Solid-State Intrinsically Stretchable Polymer Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40523-40532	9.5	38
215	Highly efficient electrocaloric cooling with electrostatic actuation. <i>Science</i> , <b>2017</b> , 357, 1130-1134	33.3	206
214	Efficient Light Extraction of Organic Light-Emitting Diodes on a Fully Solution-Processed Flexible Substrate. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700307	8.1	31
213	Electronic Muscles and Skins: A Review of Soft Sensors and Actuators. <i>Chemical Reviews</i> , <b>2017</b> , 117, 11239-11268	39.1	164
212	Transparent Perovskite Light-Emitting Touch-Responsive Device. <i>ACS Nano</i> , <b>2017</b> , 11, 11368-11375	16.7	28
211	Applications of fluorene moiety containing polymers for improved scintillation light yield. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 868, 59-65	1.2	3

210	Partial ligand exchange as a critical approach to the synthesis of transparent ytterbium fluoride/polymer nanocomposite monoliths for gamma ray scintillation. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3654-3660	7.1	13
209	Electrolyte Gated Polymer Light-Emitting Transistor. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 16001036.8	6.8	23
208	Dielectric Elastomers as EAPs: Applications <b>2016</b> , 739-765		1
207	Mitigation of Electrical Failure of Silver Nanowires under Current Flow and the Application for Long Lifetime Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600167	6.4	41
206	(Invited) Intrinsically-Stretchable, Transparent Thin Film Transistors. <i>ECS Transactions</i> , <b>2016</b> , 75, 205-212	1	3
205	Elastomeric Light Emitting Polymer Enhanced by Interpenetrating Networks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32504-32511	9.5	34
204	Recent Advances in Stretchable and Transparent Electronic Materials. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500407	6.4	201
203	Dielectric Elastomers (DEs) as EAPs: Materials <b>2016</b> , 1-28		
202	Dielectric Elastomers as EAPs: Applications <b>2016</b> , 1-27		1
201	Pulse shape discrimination properties of plastic scintillators incorporating a rationally designed highly soluble and polymerizable derivative of 9,10-diphenylanthracene. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 825, 40-50	1.2	16
200	Phase-Changing Bistable Electroactive Polymer Exhibiting Sharp Rigid-to-Rubbery Transition. <i>Macromolecules</i> , <b>2016</b> , 49, 134-140	5.5	24
199	Variable Stiffness Materials. <i>Soft Robotics</i> , <b>2016</b> , 3, 1-2	9.2	12
198	Efficient One-Pot Synthesis of Colloidal Zirconium Oxide Nanoparticles for High-Refractive-Index Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4795-802	9.5	32
197	Dissipative performance of dielectric elastomers under various voltage waveforms. <i>Soft Matter</i> , <b>2016</b> , 12, 2348-56	3.6	23
196	Improving the mechanical properties of cellulose diacetate fibers via using an ionic liquid as processing solvent. <i>RSC Advances</i> , <b>2016</b> , 6, 1-7	3.7	79
195	Flexible and stretchable electrodes for next generation polymer electronics: a review. <i>Science China Chemistry</i> , <b>2016</b> , 59, 659-671	7.9	44
194	A Water-Based Silver-Nanowire Screen-Print Ink for the Fabrication of Stretchable Conductors and Wearable Thin-Film Transistors. <i>Advanced Materials</i> , <b>2016</b> , 28, 5986-96	24	323
193	Ytterbium fluoride loaded plastic scintillators for $\gamma$ spectroscopy <b>2016</b> ,		3

192 Dielectric Elastomers (DEs) as EAPs: Materials **2016**, 687-714

191 Atmospheric and Aqueous Deposition of Polycrystalline Metal Oxides Using Mist-CVD for Highly Efficient Inverted Polymer Solar Cells. *Nano Letters*, **2015**, 15, 4948-54 11.5 9

190 Intrinsically stretchable and transparent thin-film transistors based on printable silver nanowires, carbon nanotubes and an elastomeric dielectric. *Nature Communications*, **2015**, 6, 7647 17.4 225

189 A rotary joint for a flapping wing actuated by dielectric elastomers: design and experiment. *Meccanica*, **2015**, 50, 2815-2824 2.1 43

188 Synthesizing a Healable Stretchable Transparent Conductor. *ACS Applied Materials & Interfaces*, **2015**, 7, 14140-9 9.5 49

187 Efficient white polymer light-emitting electrochemical cells. *Materials Horizons*, **2015**, 2, 338-343 14.4 50

186 A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. *Nature Photonics*, **2015**, 9, 233-238 33.9 271

185 Stable Junction Polymer Light-Emitting Electrochemical Cells. *Nano-optics and Nanophotonics*, **2015**, 87-117 0

184 Phenomena of nonlinear oscillation and special resonance of a dielectric elastomer minimum energy structure rotary joint. *Applied Physics Letters*, **2015**, 106, 133504 3.4 42

183 Standards for dielectric elastomer transducers. *Smart Materials and Structures*, **2015**, 24, 105025 3.4 180

182 Coupled nonlinear oscillation and stability evolution of viscoelastic dielectric elastomers. *Soft Matter*, **2015**, 11, 7483-93 3.6 40

181 Synthesis of transparent nanocomposite monoliths for gamma scintillation **2015**, 1

180 Tubular dielectric elastomer actuator for active fluidic control. *Smart Materials and Structures*, **2015**, 24, 105016 3.4 32

179 Improvement on output torque of dielectric elastomer minimum energy structures. *Applied Physics Letters*, **2015**, 107, 063505 3.4 16

178 New Dielectric Elastomers with Variable Moduli. *Advanced Functional Materials*, **2015**, 25, 4827-4836 15.6 42

177 Thermally Stable Silver Nanowire/Polyimide Transparent Electrode Based on Atomic Layer Deposition of Zinc Oxide on Silver Nanowires. *Advanced Functional Materials*, **2015**, 25, 7512-7520 15.6 134

176 Facile Single-Precursor Synthesis and Surface Modification of Hafnium Oxide Nanoparticles for Nanocomposite X-Ray Scintillators. *Advanced Functional Materials*, **2015**, 25, 4607-4616 15.6 45

175 Cohesively Enhanced Conductivity and Adhesion of Flexible Silver Nanowire Networks by Biocompatible Polymer Sol-Gel Transition. *Advanced Functional Materials*, **2015**, 25, 1581-1587 15.6 78



174	Tunable active vibration attenuation using highly deformable dielectric elastomers. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 115033	3.4	6
173	Emulsion Synthesis of Size-Tunable CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Quantum Dots: An Alternative Route toward Efficient Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 28128-33	9.5	361
172	Preparation of Solution-Processable Reduced Graphene Oxide/Polybenzoxazole Nanocomposites with Improved Dielectric Properties. <i>Macromolecules</i> , <b>2015</b> , 48, 365-372	5.5	59
171	A solution processed flexible nanocomposite electrode with efficient light extraction for organic light emitting diodes. <i>Scientific Reports</i> , <b>2014</b> , 4, 4307	4.9	89
170	An elastomeric transparent composite electrode based on copper nanowires and polyurethane. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1298-1305	7.1	104
169	Silver nanowire percolation network soldered with graphene oxide at room temperature and its application for fully stretchable polymer light-emitting diodes. <i>ACS Nano</i> , <b>2014</b> , 8, 1590-600	16.7	516
168	Optimizing the Output of a Human-Powered Energy Harvesting System With Miniaturization and Integrated Control. <i>IEEE Sensors Journal</i> , <b>2014</b> , 14, 2084-2091	4	21
167	An aluminum nanoparticle/crylate copolymer nanocomposite as a dielectric elastomer with a high dielectric constant. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1658	7.1	66
166	Capacitive Energy Harvesting Using Highly Stretchable Silicone/Carbon Nanotube Composite Electrodes. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300659	21.8	25
165	A Flexible and Transparent Thin Film Heater Based on a Silver Nanowire/Heat-resistant Polymer Composite. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1403-1409	3.9	122
164	Intrinsically Elastomeric Polymer Light-Emitting Devices. <i>Information Display</i> , <b>2014</b> , 30, 12-18	0.8	
163	Viscoelastic creep elimination in dielectric elastomer actuation by preprogrammed voltage. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 212904	3.4	32
162	A new bistable electroactive polymer for prolonged cycle lifetime of refreshable Braille displays <b>2014</b> ,		13
161	Healable capacitive touch screen sensors based on transparent composite electrodes comprising silver nanowires and a furan/maleimide diels-alder cycloaddition polymer. <i>ACS Nano</i> , <b>2014</b> , 8, 12874-82	16.7	142
160	Solution-processed DPP-based small molecule that gives high photovoltaic efficiency with judicious device optimization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2033-9	9.5	163
159	Polymer light-emitting electrochemical cells: Recent developments to stabilize the p-i-n junction and explore novel device applications. <i>Science China Chemistry</i> , <b>2013</b> , 56, 1075-1086	7.9	41
158	Long lifetime, fault-tolerant freestanding actuators based on a silicone dielectric elastomer and self-clearing carbon nanotube compliant electrodes. <i>RSC Advances</i> , <b>2013</b> , 3, 2272	3.7	50
157	Fully Solution-Based Fabrication of Flexible Light-Emitting Device at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 16632-16639	3.8	54



156	Synthesis and electromechanical characterization of a new acrylic dielectric elastomer with high actuation strain and dielectric strength <b>2013</b> ,		4
155	Elastomeric polymer light-emitting devices and displays. <i>Nature Photonics</i> , <b>2013</b> , 7, 817-824	33.9	747
154	Optimizing the configuration and control of a novel human-powered energy harvesting system <b>2013</b> ,		3
153	Synthesis of bulk-size transparent gadolinium oxide-polymer nanocomposites for gamma ray spectroscopy. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1970-1976	7.1	47
152	Single-Layer White Polymer Phosphorescent Light-Emitting Diodes Employing Poly(Ethylene Glycol) Dimethyl Ether Blended in the Emissive Layer as Functional Interlayer. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 483-489		2
151	Fluorene-Benzothiadiazole Copolymer for Single Component Green Light-Emitting Electrochemical Cells. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 476-482		7
150	Electro-adaptive microfluidics for active tuning of channel geometry using polymer actuators. <i>Microfluidics and Nanofluidics</i> , <b>2013</b> , 14, 345-358	2.8	28
149	Wide band gap copolymers based on phthalimide: synthesis, characterization, and photovoltaic properties with 3.70% efficiency. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 2174	4.9	27
148	Synthesizing a new dielectric elastomer exhibiting large actuation strain and suppressed electromechanical instability without prestretching. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2013</b> , 51, 197-206	2.6	82
147	Elastomeric transparent capacitive sensors based on an interpenetrating composite of silver nanowires and polyurethane. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 083303	3.4	220
146	Driving low-power wearable systems with an adaptively-controlled foot-strike scavenging platform <b>2013</b> ,		3
145	Dielectric elastomer actuators for active microfluidic control <b>2013</b> ,		12
144	Multilayer stack actuator made from new prestrain-free dielectric elastomers <b>2013</b> ,		3
143	All-silicone prestrain-locked interpenetrating polymer network elastomers: free-standing silicone artificial muscles with improved performance and robustness. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 055022	3.4	34
142	A healable, semitransparent silver nanowire-polymer composite conductor. <i>Advanced Materials</i> , <b>2013</b> , 25, 4186-91	24	159
141	Tactile feedback display with spatial and temporal resolutions. <i>Scientific Reports</i> , <b>2013</b> , 3, 2521	4.9	18
140	Compliant silver nanowire-polymer composite electrodes for bistable large strain actuation. <i>Advanced Materials</i> , <b>2012</b> , 24, 1321-7	24	177
139	Effects of structure-manipulated molecular stacking on solid-state optical properties and device performances. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 2832	4.9	40

138	Dielectric elastomer transducers with enhanced force output and work density. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 262902	3.4	28
137	Efficient white polymer light-emitting diodes employing a silver nanowire-polymer composite electrode. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14249-54	3.6	38
136	Synthesis and charge-transporting properties of electron-deficient CN2fluorene based DA copolymers. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 2170	4.9	24
135	Bistable large-strain actuation of interpenetrating polymer networks. <i>Advanced Materials</i> , <b>2012</b> , 24, 6513-9	3.7	57
134	Energy conversion efficiency of dielectric elastomer energy harvesters under pure shear strain conditions <b>2012</b> ,		2
133	Intrinsically stretchable transparent electrodes based on silver-nanowire-crosslinked-polyacrylate composites. <i>Nanotechnology</i> , <b>2012</b> , 23, 344002	3.4	145
132	E-beam deposited Ag-nanoparticles plasmonic organic solar cell and its absorption enhancement analysis using FDTD-based cylindrical nano-particle optical model. <i>Optics Express</i> , <b>2012</b> , 20, 12649-57	3.3	39
131	Purified polar polyfluorene for light-emitting diodes and light-emitting electrochemical cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2012</b> , 30, 503-510	3.5	8
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