

Qibing Pei

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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	High-speed electrically actuated elastomers with strain greater than 100%. <i>Science</i> , 2000 , 287, 836-9	33.3	2430
280	Polymer light-emitting electrochemical cells. <i>Science</i> , 1995 , 269, 1086-8	33.3	1403
279	Advances in dielectric elastomers for actuators and artificial muscles. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 10-36	4.8	1075
278	Elastomeric polymer light-emitting devices and displays. <i>Nature Photonics</i> , 2013 , 7, 817-824	33.9	747
277	Semiconducting Polymers: A New Class of Solid-State Laser Materials. <i>Science</i> , 1996 , 273, 1833-1836	33.3	744
276	Efficient Photoluminescence and Electroluminescence from a Soluble Polyfluorene. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7416-7417	16.4	722
275	Electrochromic and highly stable poly(3,4-ethylenedioxythiophene) switches between opaque blue-black and transparent sky blue. <i>Polymer</i> , 1994 , 35, 1347-1351	3.9	590
274	Highly flexible silver nanowire electrodes for shape-memory polymer light-emitting diodes. <i>Advanced Materials</i> , 2011 , 23, 664-8	24	569
273	Polymer Light-Emitting Electrochemical Cells: In Situ Formation of a Light-Emitting p-n Junction. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3922-9	16.4	540
272	High-field deformation of elastomeric dielectrics for actuators. <i>Materials Science and Engineering C</i> , 2000 , 11, 89-100	8.3	519
271	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> , 2014 , 8, 1590-600	16.7	516
270	Intrinsically stretchable polymer light-emitting devices using carbon nanotube-polymer composite electrodes. <i>Advanced Materials</i> , 2011 , 23, 3989-94	24	428
269	Emulsion Synthesis of Size-Tunable CH ₃ NH ₃ PbBr ₃ Quantum Dots: An Alternative Route toward Efficient Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28128-33	9.5	361
268	Electrochemical applications of the bending beam method. 1. Mass transport and volume changes in polypyrrole during redox. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 10507-10514		337
267	A Water-Based Silver-Nanowire Screen-Print Ink for the Fabrication of Stretchable Conductors and Wearable Thin-Film Transistors. <i>Advanced Materials</i> , 2016 , 28, 5986-96	24	323
266	Electronic Muscles and Skins: A Review of Soft Sensors and Actuators. <i>Chemical Reviews</i> , 2017 , 117, 11238-11268	38.1	12684
265	Silver nanowire-polymer composite electrodes for efficient polymer solar cells. <i>Advanced Materials</i> , 2011 , 23, 4453-7	24	288

264	Efficient blue polymer light-emitting diodes from a series of soluble poly(paraphenylene)s. <i>Journal of Applied Physics</i> , 1996 , 79, 934	2.5	274
263	A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. <i>Nature Photonics</i> , 2015 , 9, 233-238	33.9	271
262	Regioregular copolymers of 3-alkoxythiophene and their photovoltaic application. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8980-6	16.4	264
261	Interpenetrating Polymer Networks for High-Performance Electroelastomer Artificial Muscles. <i>Advanced Materials</i> , 2006 , 18, 887-891	24	228
260	Dielectric elastomers: generator mode fundamentals and applications 2001 ,		226
259	Intrinsically stretchable and transparent thin-film transistors based on printable silver nanowires, carbon nanotubes and an elastomeric dielectric. <i>Nature Communications</i> , 2015 , 6, 7647	17.4	225
258	Elastomeric transparent capacitive sensors based on an interpenetrating composite of silver nanowires and polyurethane. <i>Applied Physics Letters</i> , 2013 , 102, 083303	3.4	220
257	Efficient blue-green and white light-emitting electrochemical cells based on poly[9,9-bis(3,6-dioxaheptyl)-fluorene-2,7-diyl]. <i>Journal of Applied Physics</i> , 1997 , 81, 3294-3298	2.5	217
256	Highly efficient electrocaloric cooling with electrostatic actuation. <i>Science</i> , 2017 , 357, 1130-1134	33.3	206
255	Recent Advances in Stretchable and Transparent Electronic Materials. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500407	6.4	201
254	Standards for dielectric elastomer transducers. <i>Smart Materials and Structures</i> , 2015 , 24, 105025	3.4	180
253	Compliant silver nanowire-polymer composite electrodes for bistable large strain actuation. <i>Advanced Materials</i> , 2012 , 24, 1321-7	24	177
252	Large-area display textiles integrated with functional systems. <i>Nature</i> , 2021 , 591, 240-245	50.4	177
251	Fault-Tolerant Dielectric Elastomer Actuators using Single-Walled Carbon Nanotube Electrodes. <i>Advanced Materials</i> , 2008 , 20, 621-625	24	176
250	Multiple-degrees-of-freedom electroelastomer roll actuators. <i>Smart Materials and Structures</i> , 2004 , 13, N86-N92	3.4	172
249	Efficient blue electroluminescence from a fluorinated polyquinoline. <i>Applied Physics Letters</i> , 1994 , 65, 1272-1274	3.4	172
248	Efficient flexible phosphorescent polymer light-emitting diodes based on silver nanowire-polymer composite electrode. <i>Advanced Materials</i> , 2011 , 23, 5563-7	24	170
247	Electrochemical applications of the bending beam method. 2. Electroshrinking and slow relaxation in polypyrrole. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 6034-6041		168

246	Solution-processed DPP-based small molecule that gives high photovoltaic efficiency with judicious device optimization. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2033-9	9.5	163
245	Dielectric elastomer artificial muscle actuators: toward biomimetic motion 2002 , 4695, 126		160
244	A healable, semitransparent silver nanowire-polymer composite conductor. <i>Advanced Materials</i> , 2013 , 25, 4186-91	24	159
243	Conjugated polymers and the bending cantilever method: Electrical muscles and smart devices. <i>Advanced Materials</i> , 1992 , 4, 277-278	24	151
242	Intrinsically stretchable transparent electrodes based on silver-nanowire-crosslinked-polyacrylate composites. <i>Nanotechnology</i> , 2012 , 23, 344002	3-4	145
241	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> , 2014 , 8, 12874-82	16.7	142
240	Highly stretchable, conductive, and transparent nanotube thin films. <i>Applied Physics Letters</i> , 2009 , 94, 161108	3-4	142
239	Protonation and deprotonation of polypyrrole chain in aqueous solutions. <i>Synthetic Metals</i> , 1991 , 45, 35-48	3.6	142
238	Plastic lasers: Semiconducting polymers as a new class of solid-state laser materials. <i>Synthetic Metals</i> , 1997 , 84, 455-462	3.6	138
237	Thermally Stable Silver Nanowire/Polyimide Transparent Electrode Based on Atomic Layer Deposition of Zinc Oxide on Silver Nanowires. <i>Advanced Functional Materials</i> , 2015 , 25, 7512-7520	15.6	134
236	Electroelastomers: applications of dielectric elastomer transducers for actuation, generation, and smart structures 2002 ,		132
235	Electroelastomer rolls and their application for biomimetic walking robots. <i>Synthetic Metals</i> , 2003 , 135-136, 129-131	3.6	125
234	Imaging the structure of the p-n junction in polymer light-emitting electrochemical cells. <i>Advanced Materials</i> , 1996 , 8, 985-987	24	124
233	Polymer Light-Emitting Electrochemical Cells for High-Efficiency Low-Voltage Electroluminescent Devices. <i>Journal of Display Technology</i> , 2007 , 3, 211-224		123
232	A Flexible and Transparent Thin Film Heater Based on a Silver Nanowire/Heat-resistant Polymer Composite. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 1403-1409	3.9	122
231	Charge-carrier dynamics in hybrid plasmonic organic solar cells with Ag nanoparticles. <i>Applied Physics Letters</i> , 2011 , 98, 253302	3-4	121
230	1,3,4-Oxadiazole-Containing Polymers as Electron-Injection and Blue Electroluminescent Materials in Polymer Light-Emitting Diodes. <i>Chemistry of Materials</i> , 1995 , 7, 1568-1575	9.6	114
229	Stretchable Light-Emitting Diodes with Organometal-Halide-Perovskite-Polymer Composite Emitters. <i>Advanced Materials</i> , 2017 , 29, 1607053	24	113

228	Dielectric Elastomer Artificial Muscle: Materials Innovations and Device Explorations. <i>Accounts of Chemical Research</i> , 2019 , 52, 316-325	24.3	113
227	An elastomeric transparent composite electrode based on copper nanowires and polyurethane. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1298-1305	7.1	104
226	Electrochemical muscles: Micromachining fingers and corkscrews. <i>Advanced Materials</i> , 1993 , 5, 630-632	24	104
225	Effects of C70 derivative in low band gap polymer photovoltaic devices: Spectral complementation and morphology optimization. <i>Applied Physics Letters</i> , 2006 , 89, 153507	3.4	103
224	Controllable and reversible tuning of material rigidity for robot applications. <i>Materials Today</i> , 2018 , 21, 563-576	21.8	101
223	Voltage controlled two color light-emitting electrochemical cells. <i>Applied Physics Letters</i> , 1996 , 68, 2708-2710	3.4	100
222	Macrofibers with High Mechanical Performance Based on Aligned Bacterial Cellulose Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20330-20339	9.5	93
221	A solution processed flexible nanocomposite electrode with efficient light extraction for organic light emitting diodes. <i>Scientific Reports</i> , 2014 , 4, 4307	4.9	89
220	Electrochemical applications of the bending beam method; a novel way to study ion transport in electroactive polymers. <i>Solid State Ionics</i> , 1993 , 60, 161-166	3.3	89
219	An electrically-conductive composite prepared by electrochemical polymerization of pyrrole into polyurethane. <i>Synthetic Metals</i> , 1987 , 22, 145-156	3.6	88
218	Morphological/nanostructural control toward intrinsically stretchable organic electronics. <i>Chemical Society Reviews</i> , 2019 , 48, 1741-1786	58.5	87
217	Large-strain, rigid-to-rigid deformation of bistable electroactive polymers. <i>Applied Physics Letters</i> , 2009 , 95, 192904	3.4	84
216	Electrochemical muscles: Bending strips built from conjugated polymers. <i>Synthetic Metals</i> , 1993 , 57, 3718-3723	3.6	83
215	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> , 2013 , 51, 197-206	2.6	82
214	Stabilizing the Dynamic p <i>n</i> Junction in Polymer Light-Emitting Electrochemical Cells. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 367-372	6.4	82
213	Ultrahigh strain response of field-actuated elastomeric polymers 2000 ,		82
212	Bending bilayer strips built from polyaniline for artificial electrochemical muscles. <i>Smart Materials and Structures</i> , 1993 , 2, 1-6	3.4	80
211	Improving the mechanical properties of cellulose diacetate fibers via using an ionic liquid as processing solvent. <i>RSC Advances</i> , 2016 , 6, 1-7	3.7	79

210	High-Z Sensitized Plastic Scintillators: A Review. <i>Advanced Materials</i> , 2018 , 30, e1706956	24	78
209	Cohesively Enhanced Conductivity and Adhesion of Flexible Silver Nanowire Networks by Biocompatible Polymer Sol-Gel Transition. <i>Advanced Functional Materials</i> , 2015 , 25, 1581-1587	15.6	78
208	Operating mechanism of light-emitting electrochemical cells. <i>Nature Materials</i> , 2008 , 7, 167; author reply 168	27	76
207	Efficient blue light-emitting diodes from a soluble poly (para-phenylene) internal field emission measurement of the energy gap in semiconducting polymers. <i>Synthetic Metals</i> , 1996 , 78, 263-267	3.6	74
206	Electron injection polymer for polymer light-emitting diodes. <i>Journal of Applied Physics</i> , 1995 , 77, 4807-4809	48.9	72
205	Applications of dielectric elastomer actuators		70
204	Light-Emitting Electrochemical Cells with Crown Ether as Solid Electrolyte. <i>Journal of the Electrochemical Society</i> , 1997 , 144, L317-L320	3.9	69
203	Transparent Ultra-High-Loading Quantum Dot/Polymer Nanocomposite Monolith for Gamma Scintillation. <i>ACS Nano</i> , 2017 , 11, 6422-6430	16.7	66
202	An aluminum nanoparticle- β -crylate copolymer nanocomposite as a dielectric elastomer with a high dielectric constant. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1658	7.1	66
201	Interpenetrating networks of elastomers exhibiting 300% electrically-induced area strain. <i>Smart Materials and Structures</i> , 2007 , 16, S280-S287	3.4	66
200	Electrode potentials of electronically conducting polymer polypyrrole. <i>Electrochimica Acta</i> , 1992 , 37, 1075-1081	6.7	66
199	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> , 2017 , 5, 531-538	7.1	62
198	High-field electrostriction of elastomeric polymer dielectrics for actuation		61
197	Preparation of Solution-Processable Reduced Graphene Oxide/Polybenzoxazole Nanocomposites with Improved Dielectric Properties. <i>Macromolecules</i> , 2015 , 48, 365-372	5.5	59
196	Bright blue electroluminescence from an oxadiazole-containing copolymer. <i>Advanced Materials</i> , 1995 , 7, 559-561	24	58
195	Bistable large-strain actuation of interpenetrating polymer networks. <i>Advanced Materials</i> , 2012 , 24, 6513-6519	4.9	57
194	Poly[3-(4-octylphenyl)thiophene], a new processible conducting polymer. <i>Macromolecules</i> , 1992 , 25, 4297-4301	3.5	56
193	Fully Solution-Based Fabrication of Flexible Light-Emitting Device at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16632-16639	3.8	54

192	Fully bendable polymer light emitting devices with carbon nanotubes as cathode and anode. <i>Applied Physics Letters</i> , 2009 , 95, 203304	3.4	54
191	A FluoreneOxadiazole Copolymer for White Light-Emitting Electrochemical Cells. <i>Macromolecules</i> , 2010 , 43, 1714-1718	5.5	54
190	Phosphorescent light-emitting electrochemical cell. <i>Applied Physics Letters</i> , 2002 , 81, 4278-4280	3.4	54
189	Measurement of the energy gap in semiconducting polymers using the light-emitting electrochemical cell. <i>Chemical Physics Letters</i> , 1996 , 259, 465-468	2.5	54
188	Efficient white polymer light-emitting electrochemical cells. <i>Materials Horizons</i> , 2015 , 2, 338-343	14.4	50
187	Long lifetime, fault-tolerant freestanding actuators based on a silicone dielectric elastomer and self-clearing carbon nanotube compliant electrodes. <i>RSC Advances</i> , 2013 , 3, 2272	3.7	50
186	The role of H ⁺ ions in the electrochemical polymerization of pyrrole. <i>Die Makromolekulare Chemie</i> , 1991 , 192, 1263-1273		50
185	Silver Nanowire-Bacterial Cellulose Composite Fiber-Based Sensor for Highly Sensitive Detection of Pressure and Proximity. <i>ACS Nano</i> , 2020 , 14, 15428-15439	16.7	50
184	Bistable and Reconfigurable Photonic CrystalsElectroactive Shape Memory Polymer Nanocomposite for Ink-Free Rewritable Paper. <i>Advanced Functional Materials</i> , 2018 , 28, 1802430	15.6	50
183	Synthesizing a Healable Stretchable Transparent Conductor. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14140-9	9.5	49
182	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 & Interfaces</i> , 2018 , 10, 15609-15615	9.5	49
181	Synthesis of bulk-size transparent gadolinium oxide-polymer nanocomposites for gamma ray spectroscopy. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1970-1976	7.1	47
180	Polymer solution light-emitting devices. <i>Applied Physics Letters</i> , 1999 , 74, 2081-2083	3.4	47
179	Conjugated polymers as smart materials, gas sensors and actuators using bending beams. <i>Synthetic Metals</i> , 1993 , 57, 3730-3735	3.6	47
178	Hierarchically Structured Stretchable Conductive Hydrogels for High-Performance Wearable Strain Sensors and Supercapacitors. <i>Matter</i> , 2020 , 3, 1196-1210	12.7	46
177	Mechanically robust reduced graphene oxide/bacterial cellulose film obtained via biosynthesis for flexible supercapacitor. <i>Chemical Engineering Journal</i> , 2019 , 360, 829-837	14.7	46
176	Facile Single-Precursor Synthesis and Surface Modification of Hafnium Oxide Nanoparticles for Nanocomposite E-Ray Scintillators. <i>Advanced Functional Materials</i> , 2015 , 25, 4607-4616	15.6	45
175	Electrochemical formation of stable p-i-n junction in conjugated polymer thin films. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8481-6	3.4	45

174	Flexible and stretchable electrodes for next generation polymer electronics: a review. <i>Science China Chemistry</i> , 2016 , 59, 659-671	7.9	44
173	Removable Large-Area Ultrasooth Silver Nanowire Transparent Composite Electrode. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4733-4741	9.5	43
172	Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2019 , 31, e1807516	24	43
171	A rotary joint for a flapping wing actuated by dielectric elastomers: design and experiment. <i>Meccanica</i> , 2015 , 50, 2815-2824	2.1	43
170	Multifunctional electroelastomer roll actuators and their application for biomimetic walking robots 2003 ,		43
169	Spatial exciton allocation strategy with reduced energy loss for high-efficiency fluorescent/phosphorescent hybrid white organic light-emitting diodes. <i>Materials Horizons</i> , 2017 , 4, 641-648	14.4	42
168	Phenomena of nonlinear oscillation and special resonance of a dielectric elastomer minimum energy structure rotary joint. <i>Applied Physics Letters</i> , 2015 , 106, 133504	3.4	42
167	New Dielectric Elastomers with Variable Moduli. <i>Advanced Functional Materials</i> , 2015 , 25, 4827-4836	15.6	42
166	Nonlinear intermodulation distortion suppression in coherent analog fiber optic link using electro-optic polymeric dual parallel Mach-Zehnder modulator. <i>Optics Express</i> , 2011 , 19, 7865-71	3.3	42
165	Poly(m-phenylene): Conjugated Polymer Host with High Triplet Energy for Efficient Blue Electrophosphorescence. <i>Macromolecules</i> , 2010 , 43, 9608-9612	5.5	42
164	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> , 2016 , 2, 1600167	6.4	41
163	Polymer light-emitting electrochemical cells: Recent developments to stabilize the p-i-n junction and explore novel device applications. <i>Science China Chemistry</i> , 2013 , 56, 1075-1086	7.9	41
162	Coupled nonlinear oscillation and stability evolution of viscoelastic dielectric elastomers. <i>Soft Matter</i> , 2015 , 11, 7483-93	3.6	40
161	Effects of structure-manipulated molecular stacking on solid-state optical properties and device performances. <i>Polymer Chemistry</i> , 2012 , 3, 2832	4.9	40
160	Conjugated Polymer as Host for High Efficiency Blue and White Electrophosphorescence. <i>Macromolecules</i> , 2011 , 44, 2451-2456	5.5	40
159	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> , 2012 , 20, 12649-57	3.3	39
158	Highly flexible polymer light-emitting devices using carbon nanotubes as both anodes and cathodes. <i>Journal of Photonics for Energy</i> , 2011 , 1, 011003	1.2	39
157	Solid state polymer light-emitting electrochemical cells: Recent developments. <i>Synthetic Metals</i> , 1997 , 85, 1229-1232	3.6	39

156	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> , 2018 , 6, 10829-10837	7.1	39
155	A Solid-State Intrinsically Stretchable Polymer Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40523-40532	9.5	38
154	Efficient white polymer light-emitting diodes employing a silver nanowire-polymer composite electrode. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14249-54	3.6	38
153	Dielectric oil coated single-walled carbon nanotube electrodes for stable, large-strain actuation with dielectric elastomers. <i>Sensors and Actuators A: Physical</i> , 2009 , 155, 278-284	3.9	38
152	Light-emitting electrochemical cells from a blend of p- and n-type luminescent conjugated polymers. <i>Applied Physics Letters</i> , 1997 , 70, 1926-1928	3.4	38
151	Recent progress on electroelastomer artificial muscles and their application for biomimetic robots 2004 , 5385, 41		37
150	A cascade electrocaloric cooling device for large temperature lift. <i>Nature Energy</i> , 2020 , 5, 996-1002	62.3	36
149	Planar light-emitting devices fabricated with luminescent electrochemical polyblends. <i>Applied Physics Letters</i> , 1997 , 70, 934-936	3.4	35
148	Electrochemical preparation of electrically conducting polyurethane/polyaniline composite. <i>Journal of Applied Polymer Science</i> , 1989 , 38, 1819-1828	2.9	35
147	Elastomeric Light Emitting Polymer Enhanced by Interpenetrating Networks. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32504-32511	9.5	34
146	All-silicone prestrain-locked interpenetrating polymer network elastomers: free-standing silicone artificial muscles with improved performance and robustness. <i>Smart Materials and Structures</i> , 2013 , 22, 055022	3.4	34
145	Electrochemical polymerization of pyrrole in aqueous buffer solutions. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 322, 153-166	4.1	34
144	Multifunctional electroelastomer rolls and their application for biomimetic walking robots 2002 , 4698, 246		33
143	Reduced polyaniline decorated reduced graphene oxide/polyimide nanocomposite films with enhanced dielectric properties and thermostability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 109, 578-584	8.4	32
142	Efficient One-Pot Synthesis of Colloidal Zirconium Oxide Nanoparticles for High-Refractive-Index Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4795-802	9.5	32
141	Tubular dielectric elastomer actuator for active fluidic control. <i>Smart Materials and Structures</i> , 2015 , 24, 105016	3.4	32
140	Viscoelastic creep elimination in dielectric elastomer actuation by preprogrammed voltage. <i>Applied Physics Letters</i> , 2014 , 105, 212904	3.4	32
139	Interpenetrating polymer networks based on acrylic elastomers and plasticizers with improved actuation temperature range. <i>Polymer International</i> , 2010 , 59, 384-390	3.3	32

138	Efficient Light Extraction of Organic Light-Emitting Diodes on a Fully Solution-Processed Flexible Substrate. <i>Advanced Optical Materials</i> , 2017 , 5, 1700307	8.1	31
137	Refreshable Tactile Display Based on a Bistable Electroactive Polymer and a Stretchable Serpentine Joule Heating Electrode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24807-24815	9.5	30
136	Solid-state polymer light-emitting electrochemical cells. <i>Synthetic Metals</i> , 1996 , 80, 131-136	3.6	30
135	A general gelation strategy for 1D nanowires: dynamically stable functional gels for 3D printing flexible electronics. <i>Nanoscale</i> , 2018 , 10, 20096-20107	7.7	30
134	Synthesis of soluble poly(alkylthiophenes) which are thermally stable in the doped state. <i>Synthetic Metals</i> , 1993 , 55, 1227-1231	3.6	29
133	Multi-Colored Light-Emitting Electrochemical Cells Based on Thermal Activated Delayed Fluorescence Host. <i>Scientific Reports</i> , 2017 , 7, 1524	4.9	28
132	Electro-adaptive microfluidics for active tuning of channel geometry using polymer actuators. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 345-358	2.8	28
131	Transparent Perovskite Light-Emitting Touch-Responsive Device. <i>ACS Nano</i> , 2017 , 11, 11368-11375	16.7	28
130	Dielectric elastomer transducers with enhanced force output and work density. <i>Applied Physics Letters</i> , 2012 , 100, 262902	3.4	28
129	Wide band gap copolymers based on phthalimide: synthesis, characterization, and photovoltaic properties with 3.70% efficiency. <i>Polymer Chemistry</i> , 2013 , 4, 2174	4.9	27
128	Rollerball-Pen-Drawing Technology for Extremely Foldable Paper-Based Electronics. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700098	6.4	26
127	Proton doping of reduced polypyrrole. <i>Synthetic Metals</i> , 1993 , 61, 275-278	3.6	26
126	Capacitive Energy Harvesting Using Highly Stretchable Silicone/Carbon Nanotube Composite Electrodes. <i>Advanced Energy Materials</i> , 2014 , 4, 1300659	21.8	25
125	The routes towards processible and stable conducting poly(thiophene)s. <i>Synthetic Metals</i> , 1993 , 55, 1221-1226	3.6	25
124	Phase-Changing Bistable Electroactive Polymer Exhibiting Sharp Rigid-to-Rubbery Transition. <i>Macromolecules</i> , 2016 , 49, 134-140	5.5	24
123	Synthesis and charge-transporting properties of electron-deficient CN2-fluorene based D/A copolymers. <i>Polymer Chemistry</i> , 2012 , 3, 2170	4.9	24
122	Electrochemical Synthesis and Photovoltaic Property of Cadmium Sulfide/Polybithiophene Interdigitated Nanohybrid Thin Films. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19765-19769	3.8	24
121	Electrolyte Gated Polymer Light-Emitting Transistor. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600103	6.8	23

120	Dissipative performance of dielectric elastomers under various voltage waveforms. <i>Soft Matter</i> , 2016 , 12, 2348-56	3.6	23
119	Homogeneous Freestanding Luminescent Perovskite Organogel with Superior Water Stability. <i>Advanced Materials</i> , 2019 , 31, e1902928	24	23
118	Synthesis and characterization of a main-chain-type conjugated copolymer containing rare earth with photocrosslinkable group. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 388-394	2.5	22
117	Electroelastomers: Conjugated poly(3-octylthiophene) gels with controlled crosslinking. <i>Synthetic Metals</i> , 1993 , 57, 3724-3729	3.6	22
116	Optimizing the Output of a Human-Powered Energy Harvesting System With Miniaturization and Integrated Control. <i>IEEE Sensors Journal</i> , 2014 , 14, 2084-2091	4	21
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