Jinlian Hu

List of Publications by Year in Descending Order

258 papers	8,227 citations	44 h-index	82 g-index
266 ext. papers	9,281 ext. citations	4.8 avg, IF	6.57 L-index

#	Paper	IF	Citations
258	Mechanical characterization of spider silk inspired peptide-containing hybrids. *Materials and Design*, **2022**, 219, 110761	8.1	0
257	Spidroin-Based Biomaterials in Tissue Engineering: General Approaches and Potential Stem Cell Therapies.. *Stem Cells International*, **2021**, 2021, 7141550	5	2
256	Ultrafast-Response/Recovery Flexible Piezoresistive Sensors with DNA-Like Double Helix Yarns for Epidermal Pulse Monitoring. *Advanced Materials*, **2021**, e2104313	24	11
255	Recent advances in skin collagen: functionality and non-medical applications. *Journal of Leather Science and Engineering*, **2021**, 3,	3.6	6
254	Woolen Respirators for Thermal Management. *Advanced Materials Technologies*, **2021**, 6, 2100201	6.8	5
253	Anomalous thermally expanded polymer networks for flexible perceptual devices. *Matter*, **2021**, 4, 1832-1862	12.7	2
252	Polarization multi-parametric imaging method for the inspection of cervix cell. *Optics Communications*, **2021**, 488, 126846	2	0
251	An Innovative Solvent-Responsive Coiling-Expanding Stent. *Advanced Materials*, **2021**, 33, e2101005	24	4
250	Knit Architecture for Water-Actuating Woolen Knitwear and Its Personalized Thermal Management. *ACS Applied Materials & Interfaces*, **2021**, 13, 6298-6308	9.5	9
249	Recent Progress in Protective Membranes Fabricated Via Electrospinning: Advanced Materials, Biomimetic Structures, and Functional Applications.. *Advanced Materials*, **2021**, e2107938	24	23
248	A novel SERS substrate: Wrinkled ZnS nanobelt film coated with Ag nanoparticle. *Materials Letters*, **2020**, 272, 127827	3.3	5
247	A Spider-Capture-Silk-Like Fiber with Extremely High-Volume Directional Water Collection. *Advanced Functional Materials*, **2020**, 30, 2002437	15.6	25
246	Smart Fibers **2020**, 361-390		1
245	Animal Fibers **2020**, 37-74		3
244	Fibers for Medical Compression **2020**, 749-771		
243	Collagen incorporation into waterborne polyurethane improves breathability, mechanical property, and self-healing ability. *Composites Part A: Applied Science and Manufacturing*, **2020**, 133, 105854	8.4	15
242	Mechanically Robust, Responsive Composite Membrane for a Thermoregulating Textile. *ACS Omega*, **2020**, 5, 3899-3907	3.9	4

241	Spatial Distribution and Solvent Polarity-Triggered Release of a Polypeptide Incorporated into Invertible Micellar Assemblies. *ACS Applied Materials & Interfaces*, **2020**, 12, 12075-12082	9.5	3
240	Direct-Ink Written Shape-Morphing Film with Rapid and Programmable Multimotion. *Advanced Materials Technologies*, **2020**, 5, 1900974	6.8	10
239	Isocyanate Modified GO Shape-Memory Polyurethane Composite. *Polymers*, **2020**, 12,	4.5	8
238	Fiber-Based Sensors and Actuators **2020**, 681-720		
237	Elastic Fibers **2020**, 335-359		1
236	Bicomponent Fibers **2020**, 281-313		5
235	Memory Fibers **2020**, 411-434		
234	Microscopy of Shape Memory Polymers, Polymer Blends, and Composites. *Advanced Structured Materials*, **2020**, 95-127	0.6	
233	Novel approach of making porous polyurethane membrane and its properties for apparel application. *Journal of Applied Polymer Science*, **2020**, 137, 48566	2.9	2
232	A programmable, fast-fixing, osteo-regenerative, biomechanically robust bone screw. *Acta Biomaterialia*, **2020**, 103, 293-305	10.8	10
231	Multi-Modal Contractive Forces of Wools as Actuator. *Polymers*, **2020**, 12,	4.5	3
230	Wool Can Be Cool: Water-Actuating Woolen Knitwear for Both Hot and Cold. *Advanced Functional Materials*, **2020**, 30, 2005033	15.6	22
229	Achieving coalesced breathability, mechanical and shape memory properties of collagen fibrous matrix through complexing with chromium (III). *Materials and Design*, **2020**, 186, 108206	8.1	2
228	Tea-polyphenol treated skin collagen owns coalesced adaptive-hydration, tensile strength and shape-memory property. *International Journal of Biological Macromolecules*, **2020**, 158, 1-8	7.9	3
227	Fundamentals of the Fibrous Materials **2020**, 1-36		4
226	Scalable Spider-Silk-Like Supertough Fibers using a Pseudoprotein Polymer. *Advanced Materials*, **2019**, 31, e1904311	24	38
225	Editable and bidirectional shape memory chitin hydrogels based on physical/chemical crosslinking. *Cellulose*, **2019**, 26, 9085-9094	5.5	4
224	A titin inspired stress-memory polymer acts as a muscle. *Materials Chemistry Frontiers*, **2019**, 3, 2463-2471	7.8	4

223	Artificial spider silk is smart like natural one: having humidity-sensitive shape memory with superior recovery stress. *Materials Chemistry Frontiers*, **2019**, 3, 2472-2482	7.8	19
222	A Polyurethane Soft Actuator with Two Basic Contractions. *Materials Today: Proceedings*, **2019**, 16, 1456-1461	1.4	2
221	Structure Design and Property of Spider silk-Inspired Shape Memory Materials. *Materials Today: Proceedings*, **2019**, 16, 1491-1496	1.4	2
220	A Polyurethane Based Composite with Mechanically Enhanced Performance for Bone repair. *Materials Today: Proceedings*, **2019**, 16, 1399-1404	1.4	2
219	Robust waterproof and self-adaptive breathable membrane with heat retention property for intelligent protective cloth. *Progress in Organic Coatings*, **2019**, 137, 105303	4.8	11
218	Facile preparation of high solid content waterborne polyurethane and its application in leather surface finishing. *Progress in Organic Coatings*, **2019**, 130, 8-16	4.8	38
217	Mechanically Robust Shape Memory Polyurethane Nanocomposites for Minimally Invasive Bone Repair.. *ACS Applied Bio Materials*, **2019**, 2, 1056-1065	4.1	28
216	Fibers Made of Recombinant Spidroins – A Brief Review. *AATCC Journal of Research*, **2019**, 6, 37-40	1	6
215	A "trampoline" nanocomposite: Tuning the interlayer spacing in graphene oxide/polyurethane to achieve coalesced mechanical and memory properties. *Composites Science and Technology*, **2019**, 180, 14-22	8.6	6
214	Enhancing Enzyme Immobilization on Carbon Nanotubes via Metal-Organic Frameworks for Large-Substrate Biocatalysis. *ACS Applied Materials & Interfaces*, **2019**, 11, 12133-12141	9.5	51
213	Cellulose/Chitosan Composite Multifilament Fibers with Two-Switch Shape Memory Performance. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6981-6990	8.3	41
212	Fiber-in-Tube Design of Co S -Carbon/Co S : Enabling Efficient Sodium Storage. *Angewandte Chemie - International Edition*, **2019**, 58, 6239-6243	16.4	85
211	A skin inspired bio-smart composite with water responsive shape memory ability. *Materials Chemistry Frontiers*, **2019**, 3, 1128-1138	7.8	16
210	From Fragile Plastic to Room-Temperature Self-Healing Elastomer: Tuning Quadruple Hydrogen Bonding Interaction through One-Pot Synthesis. *ACS Applied Polymer Materials*, **2019**, 1, 425-436	4.3	26
209	Facile Fabrication of Microspheres and Microcapsules from a Recombinant Spider Eggcase Silk Protein for Drug Delivery. *AATCC Journal of Research*, **2019**, 6, 15-18	1	1
208	Smart behavior of collagen skin: water-sensitive shape memory. *Materials Today: Proceedings*, **2019**, 16, 1415-1422	1.4	2
207	Water vapor transmission and water resistant: opposite but may coexist. *Materials Today: Proceedings*, **2019**, 16, 1485-1490	1.4	2
206	Enhanced Tunable Light Absorption in Nanostructured Si Arrays Based on Double-Quarter-Wavelength Resonance. *Advanced Optical Materials*, **2019**, 7, 1900845	8.1	7

205	A Single Polymer Artificial Muscle Having Dual-Mode Contractibility, Temperature Sensibility, and Trainability through Enthalpy Change. *Advanced Materials Technologies*, **2019**, 4, 1900017	6.8	5
204	Robust chitin films with good biocompatibility and breathable properties. *Carbohydrate Polymers*, **2019**, 212, 361-367	10.3	28
203	Cross-Linked Cellulose Membranes with Robust Mechanical Property, Self-Adaptive Breathability, and Excellent Biocompatibility. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19799-19806	8.3	12
202	Stimuli-responsive polymers in coating and laminating for functional textile **2019**, 155-173		6
201	Random and aligned electrospun gelatin nanofiber mats for human mesenchymal stem cells. *Materials Research Innovations*, **2019**, 23, 208-215	1.9	8
200	Pigment mixing effect realized with pre-dyed opaque yarns for Jacquard textile design development. *Textile Reseach Journal*, **2019**, 89, 87-97	1.7	4
199	Chemically Modified Silk Proteins. *Advanced Engineering Materials*, **2018**, 20, 1700961	3.5	21
198	Self-fitting shape memory polymer foam inducing bone regeneration: A rabbit femoral defect study. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 936-945	4	40
197	Tailor-made spider-eggcase-silk spheres for efficient lysosomal drug delivery.. *RSC Advances*, **2018**, 8, 9394-9401	3.7	8
196	Synthesis of zwitterionic acrylamide copolymers for biocompatible applications. *Journal of Bioactive and Compatible Polymers*, **2018**, 33, 3-16	2	6
195	Collagen skin, a water-sensitive shape memory material. *Journal of Materials Chemistry B*, **2018**, 6, 5144-5152	7.5	21
194	Fabric Coated with Shape Memory Polyurethane and Its Properties. *Polymers*, **2018**, 10,	4.5	22
193	Shape Memory-Enhanced Electrical Self-Healing of Stretchable Electrodes. *Applied Sciences (Switzerland)*, **2018**, 8, 392	2.6	11
192	Bioinspired Fabrication of Polyurethane/Regenerated Silk Fibroin Composite Fibres with Tubuliform Silk-Like Flat Stress?Strain Behaviour. *Polymers*, **2018**, 10,	4.5	15
191	In-Situ Incorporation of Alkyl-Grafted Silica into Waterborne Polyurethane with High Solid Content for Enhanced Physical Properties of Coatings. *Polymers*, **2018**, 10,	4.5	12
190	Facile Preparation of Highly Stretchable and Recovery Peptide-Polyurethane/Ureas. *Polymers*, **2018**, 10,	4.5	6
189	Modular Assembly of a Conserved Repetitive Sequence in the Spider Eggcase Silk: From Gene to Fiber. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2748-2757	5.5	10
188	Mechanically strong shape memory polyurethane for water vapour permeable membranes. *Polymer International*, **2018**, 67, 1386-1392	3.3	8

187	Thermoelectric Textile Materials **2018**,		2
186	Bioinspired poly(vinyl alcohol)-silk hybrids: Two-way water-sensitive shape-memory materials. *Materials Today Communications*, **2018**, 17, 419-426	2.5	16
185	Shape Memory Ankle-Foot Orthoses. *ACS Applied Materials & Interfaces*, **2018**, 10, 32935-32941	9.5	11
184	Facile preparation of recombinant spider eggcase silk spheres via an HFIP-on-Oil approach. *International Journal of Biological Macromolecules*, **2018**, 116, 1146-1152	7.9	4
183	Designing of advanced smart medical stocking using stress-memory polymeric filaments for pressure control and massaging. *Materials Science and Engineering C*, **2018**, 91, 263-273	8.3	9
182	Stress-memory polymeric filaments for advanced compression therapy. *Journal of Materials Chemistry B*, **2017**, 5, 1905-1916	7.3	29
181	A novel design for a wearable thermoelectric generator based on 3D fabric structure. *Smart Materials and Structures*, **2017**, 26, 045037	3.4	85
180	Study on the moisture absorption of zwitterionic copolymers for moisture-sensitive shape memory applications. *Polymers for Advanced Technologies*, **2017**, 28, 1464-1472	3.2	3
179	Self-adaptive water vapor permeability and its hydrogen bonding switches of bio-inspired polymer thin films. *Materials Chemistry Frontiers*, **2017**, 1, 2027-2030	7.8	17
178	Dual-channel extraordinary ultraviolet transmission through an aluminum nanohole array. *Nanotechnology*, **2017**, 28, 215205	3.4	3
177	High performance shape memory foams with isocyanate-modified hydroxyapatite nanoparticles for minimally invasive bone regeneration. *Ceramics International*, **2017**, 43, 4794-4802	5.1	27
176	Polyurethane Composites and Nanocomposites for Biomedical Applications **2017**, 477-498		2
175	Shape Memory Investigation of □Keratin Fibers as Multi-Coupled Stimuli of Responsive Smart Materials. *Polymers*, **2017**, 9,	4.5	22
174	Is biopolymer hair a multi-responsive smart material?. *Polymer Chemistry*, **2017**, 8, 283-294	4.9	30
173	Architectural evolution of phase domains in shape memory polyurethanes by dissipative particle dynamics simulations. *Polymer Chemistry*, **2017**, 8, 260-271	4.9	22
172	Quick water-responsive shape memory hybrids with cellulose nanofibers. *Journal of Polymer Science Part A*, **2017**, 55, 767-775	2.5	22
171	Stress memory materials and their fundamental platform. *Journal of Materials Chemistry A*, **2017**, 5, 503-511	10.1	15
170	Topographical Control of Preosteoblast Culture by Shape Memory Foams . *Advanced Engineering Materials*, **2017**, 19, 1600343	3.5	9

169	Polyurethane: A Shape Memory Polymer (SMP) **2017**,		12
168	Preparation and Property Evaluation of Conductive Hydrogel Using Poly (Vinyl Alcohol)/Polyethylene Glycol/Graphene Oxide for Human Electrocardiogram Acquisition. *Polymers*, **2017**, 9,	4.5	38
167	Synthesis and Properties of Shape Memory Poly(Benzyl-l-Glutamate)-b-Poly(Propylene Glycol)-b-Poly(Benzyl-l-Glutamate). *Applied Sciences (Switzerland)*, **2017**, 7, 1258	2.6	11
166	Structure Evolution of Polyamide 1212 during the Uniaxial Stretching Process: In Situ Synchrotron Wide-Angle X-ray Diffraction and Small-Angle X-ray Scattering Analysis. *Industrial & Engineering Chemistry Research*, **2016**, 55, 7621-7627	3.9	12
165	Revealing the morphological architecture of a shape memory polyurethane by simulation. *Scientific Reports*, **2016**, 6, 29180	4.9	15
164	Animal Hairs as Water-stimulated Shape Memory Materials: Mechanism and Structural Networks in Molecular Assemblies. *Scientific Reports*, **2016**, 6, 26393	4.9	47
163	Constituent analysis of stress memory in semicrystalline polyurethane. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 941-947	2.6	9
162	Gradient colour deviation in woven textiles to correspond to pictorial images in diversity. *International Journal of Fashion Design, Technology and Education*, **2016**, 9, 32-40	1.1	2
161	Tensile-relaxation study of camel hair fiber at elastic stretching region: Analytical model and experiment. *Composites Part B: Engineering*, **2016**, 91, 559-568	10	7
160	Smart medical stocking using memory polymer for chronic venous disorders. *Biomaterials*, **2016**, 75, 174-180	10	42
159	Toxicity of Smokeless Tobacco Extract after 184-Day Repeated Oral Administration in Rats. *International Journal of Environmental Research and Public Health*, **2016**, 13,	4.6	7
158	Influence of Sodium Bisulfite and Lithium Bromide Solutions on the Shape Fixation of Camel Guard Hairs in Slenderization Process. *International Journal of Chemical Engineering*, **2016**, 2016, 1-11	2.2	5
157	Memory Bandage for Functional Compression Management for Venous Ulcers. *Fibers*, **2016**, 4, 10	3.7	7
156	Design of a Smart Nerve Conduit Based on a Shape-Memory Polymer. *Advanced Materials Technologies*, **2016**, 1, 1600015	6.8	26
155	A smart orthopedic compression device based on a polymeric stress memory actuator. *Materials and Design*, **2016**, 97, 222-229	8.1	19
154	Diamond-shaped shaded weave series created by transforming small twills to enrich the surface texture of woven Jacquards. *Textile Reseach Journal*, **2016**, 86, 1032-1040	1.7	1
153	Waterborne polyurethane based thermoelectric composites and their application potential in wearable thermoelectric textiles. *Composites Part B: Engineering*, **2016**, 107, 59-66	10	74
152	Through-thickness permeability study of orthogonal and angle-interlock woven fabrics. *Journal of Materials Science*, **2015**, 50, 1257-1266	4.3	16

151	Design of bilayered nanofibrous mats for wound dressing using an electrospinning technique. *Materials Letters*, **2015**, 156, 46-49	3.3	36
150	Through-thickness air permeability of woven fabric under low pressure compression. *Textile Reseach Journal*, **2015**, 85, 1732-1742	1.7	13
149	Shape Memory Fibers **2015**, 183-207		5
148	Stress memory polymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 893-898	2.6	21
147	Functional shape memory composite nanofibers with graphene oxide filler. *Composites Part A: Applied Science and Manufacturing*, **2015**, 76, 115-123	8.4	55
146	Study of multi-functional electrospun composite nanofibrous mats for smart wound healing. *International Journal of Biological Macromolecules*, **2015**, 79, 469-76	7.9	69
145	Interband □plasmon of graphene: strong small-size and field-enhancement effects. *Physical Chemistry Chemical Physics*, **2014**, 16, 23483-91	3.6	15
144	Memory chromic polyurethane with tetraphenylethylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 104-110	2.6	38
143	Hydrogen-bonding interactions in hard segments of shape memory polyurethane: toluene diisocyanates and 1,6-hexamethylene diisocyanate. A theoretical and comparative study. *Journal of Physical Chemistry A*, **2014**, 118, 12241-55	2.8	26
142	Patterning technique for expanding color variety of Jacquard fabrics in alignment with shaded weave structures. *Textile Reseach Journal*, **2014**, 84, 1820-1828	1.7	12
141	Hierarchical ZnO films with microplate/nanohole structures induced by precursor concentration and colloidal templates, their superhydrophobicity, and enhanced photocatalytic performance. *Journal of Materials Research*, **2014**, 29, 115-122	2.5	10
140	Theoretical studies on hydrogen-bonding interactions in hard segments of shape memory polyurethane-III: Isophorone diisocyanate. *Journal of Molecular Structure*, **2014**, 1072, 13-19	3.4	15
139	Shape Memory Fibers **2014**, 1-21		1
138	Mechanically adaptive cellulose-poly(acrylic acid) polymeric composites in wet□dry cycles. *Journal of Applied Polymer Science*, **2013**, 127, 675-681	2.9	7
137	Voltammetric determination of theophylline in pharmaceutical formulations using aligned carbon nanotubes (ACNTs) film modified electrode. *Journal of Analytical Chemistry*, **2013**, 68, 694-699	1.1	12
136	Design and fabrication of ZnO/Ni heterogeneous binary arrays with selective control of structure, size and distance via stepwise colloidal lithography. *RSC Advances*, **2013**, 3, 14829	3.7	7
135	Crack-free periodic porous thin films assisted by plasma irradiation at low temperature and their enhanced gas-sensing performance. *Chemistry - A European Journal*, **2013**, 19, 13387-95	4.8	31
134	IDSS: a novel representation for woven fabrics. *IEEE Transactions on Visualization and Computer Graphics*, **2013**, 19, 420-32	4	9

133	Study on the bagging behavior of knitted fabrics by shape memory polyurethane fiber. *Journal of the Textile Institute*, **2013**, 104, 1230-1236	1.5	11
132	Future developments in shape memory polymers **2013**, 320-334		1
131	Manufacture of T g and T m shape memory polyurethane (SMPU) polymer fibers **2013**, 281-319		
130	Shape-memory biopolymers based on β-sheet structures of polyalanine segments inspired by spider silks. *Macromolecular Bioscience*, **2013**, 13, 161-6	5.5	33
129	Two-dimensional semiconductors: recent progress and future perspectives. *Journal of Materials Chemistry C*, **2013**, 1, 2952	7.1	287
128	Introduction to shape memory polymers **2013**, 1-22		4
127	Surface Plasmon Resonance in Periodic Hexagonal Lattice Arrays of Silver Nanodisks. *Journal of Nanomaterials*, **2013**, 2013, 1-6	3.2	10
126	Supramolecular shape memory polymers containing pyridine **2013**, 128-163		
125	Moisture-induced properties of supramolecular shape memory polymers containing pyridine **2013**, 196-230		
124	Supramolecular shape memory polymers **2013**, 111-127		1
123	Thermally-induced properties of supramolecular shape memory polymers containing pyridine **2013**, 164-195		
122	T m -type shape memory polymers **2013**, 23-46		1
121	T g -type shape memory polymers **2013**, 47-70		
120	High performance type shape memory polymers prepared by modified two-step polymerization **2013**, 71-110		
119	Shape memory polymers with novel functions: electro-active, magnetically-active, light-adaptive and phase change materials **2013**, 231-258		2
118	Shape memory finishing treatments for smart textiles **2013**, 259-280		1
117	Spider Silk: A Smart Biopolymer with Water Switchable Shape Memory Effects -Unraveling the Mystery of Superconraction. *Research Journal of Textile and Apparel*, **2013**, 17, 1-9	1.1	14
116	Morphology, reversible phase crystallization, and thermal sensitive shape memory effect of cellulose whisker/SMPU nano-composites. *Journal of Applied Polymer Science*, **2012**, 123, 749-762	2.9	29

115	Healable thermoset polymer composite embedded with stimuli-responsive fibres. *Journal of the Royal Society Interface*, **2012**, 9, 3279-87	4.1	84
114	Recent advances in shape‐memory polymers: Structure, mechanism, functionality, modeling and applications. *Progress in Polymer Science*, **2012**, 37, 1720-1763	29.6	910
113	Deep-Ultraviolet‐Blue-Light Surface Plasmon Resonance of Al and Alcore/Al2O3shell in Spherical and Cylindrical Nanostructures. *Journal of Physical Chemistry C*, **2012**, 116, 15584-15590	3.8	49
112	A review of stimuli-responsive polymers for smart textile applications. *Smart Materials and Structures*, **2012**, 21, 053001	3.4	388
111	Does competitive hydrogen bonding induce self-assembly of A-b-B/C blend?. *Polymer*, **2012**, 53, 4718-4726	3.9	8
110	Path-dependent and selective multi-shape recovery of a polyurethane/cellulose-whisker nanocomposite. *Materials Letters*, **2012**, 89, 172-175	3.3	13
109	Cognitive Theme Preserving Color Transfer for Fabric Design. *International Journal of Software Science and Computational Intelligence*, **2012**, 4, 38-61	1.4	2
108	Studies of the moisture-sensitive shape memory effect of pyridine-containing polyurethanes. *Polymer International*, **2012**, 61, 314-320	3.3	25
107	Achieving shape memory: Reversible behaviors of cellulose‐PU blends in wet‐dry cycles. *Journal of Applied Polymer Science*, **2012**, 125, 657-665	2.9	21
106	Rapidly switchable water-sensitive shape-memory cellulose/elastomer nano-composites. *Soft Matter*, **2012**, 8, 2509	3.6	176
105	A combined experimental and computational study on the material properties of shape memory polyurethane. *Journal of Molecular Modeling*, **2012**, 18, 1263-71	2	20
104	Comparison of surface plasmon resonance responses to dry/wet air for Ag, Cu, and Au/SiO2. *Applied Optics*, **2012**, 51, 1357-60	1.7	14
103	Design through cognitive color theme: A new approach for fabric design **2012**,		5
102	Li‐Cr substituted nickel‐zinc‐copper ferrite powders: structural and magnetic properties. *International Journal of Materials Research*, **2012**, 103, 490-493	0.5	2
101	Cognitive Weave Pattern Prioritization in Fabric Design. *International Journal of Cognitive Informatics and Natural Intelligence*, **2012**, 6, 72-99	0.9	1
100	Dispersion of concentrated aqueous neodymia‐yttria‐alumina mixture with ammonium poly(acrylic acid) as dispersant. *Journal of Alloys and Compounds*, **2011**, 509, 3122-3127	5.7	6
99	Controlled release of hydrogel modified textile products. *Journal of Controlled Release*, **2011**, 152 Suppl 1, e31-3	11.7	6
98	Formaldehyde sensor based on polypyrrole/β-cyclodextrin. *Journal of Controlled Release*, **2011**, 152 Suppl 1, e211-3	11.7	8

97	Tunable shape recovery of polymeric nano-composites. *Materials Letters*, **2011**, 65, 3583-3585	3.3	33
96	Study of the thermal properties of shape memory polyurethane nanofibrous nonwoven. *Journal of Materials Science*, **2011**, 46, 3464-3469	4.3	33
95	Effect of MDIBDO hard segment on pyridine-containing shape memory polyurethanes. *Journal of Materials Science*, **2011**, 46, 5294-5304	4.3	25
94	Study on the moisture absorption of pyridine containing polyurethane for moisture-responsive shape memory effects. *Journal of Materials Science*, **2011**, 46, 6581-6588	4.3	34
93	Polymeric Shape Memory Nanocomposites with Heterogeneous Twin Switches. *Macromolecular Chemistry and Physics*, **2011**, 212, 1981-1986	2.6	36
92	Synthesis and phase behaviour of a poly{2,5-bis[(p-ethoxyphenoxy) carbonyl] benzyl acrylate}-based mesogen-jacketed liquid crystalline copolymer. *Liquid Crystals*, **2011**, 38, 657-662	2.3	2
91	A review of actively moving polymers in textile applications. *Journal of Materials Chemistry*, **2010**, 20, 3346		203
90	A Brief Review of Stimulus-active Polymers Responsive to Thermal, Light, Magnetic, Electric, and Water/Solvent Stimuli. *Journal of Intelligent Material Systems and Structures*, **2010**, 21, 859-885	2.3	189
89	Optical study of the reduction of hexavalent chromium by iron-based nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 5389-92	1.3	5
88	Evolution of surface plasmon resonance for silver particle film on mesoporous Si02 and soda-lime glass during heating in air and H2. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 5369-73	1.3	4
87	Properties and mechanism of two-way shape memory polyurethane composites. *Composites Science and Technology*, **2010**, 70, 1437-1443	8.6	96
86	Theoretical study of hydrogen bonding interactions on MDI-based polyurethane. *Journal of Molecular Modeling*, **2010**, 16, 1391-9	2	59
85	Study on the thermal-induced shape memory effect of pyridine containing supramolecular polyurethane. *Polymer*, **2010**, 51, 240-248	3.9	70
84	Fourier transform infrared study of supramolecular polyurethane networks containing pyridine moieties for shape memory materials. *Polymer International*, **2010**, 59, 529-538	3.3	28
83	Triple shape memory effect in multiple crystalline polyurethanes. *Polymers for Advanced Technologies*, **2010**, 21, 377-380	3.2	98
82	Entropy-Based Fabric Weave Pattern Indexing and Classification. *International Journal of Cognitive Informatics and Natural Intelligence*, **2010**, 4, 76-92	0.9	9
81	Supramolecular polyurethane networks containing pyridine moieties for shape memory materials. *Materials Letters*, **2009**, 63, 1462-1464	3.3	54
80	Nonwoven supported temperature-sensitive poly(N-isopropylacrylamide)/polyurethane copolymer hydrogel with antibacterial activity. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2009**, 89, 1-8	3.5	60

79	The influence of heat treatment on the properties of shape memory fibers. II. Tensile properties, dimensional stability, recovery force relaxation, and thermomechanical cyclic properties. *Journal of Applied Polymer Science*, **2009**, 111, 1156-1164	2.9	19
78	The Shape Memory Properties of Biodegradable Chitosan/Poly(l-lactide) Composites. *Journal of Polymers and the Environment*, **2009**, 17, 212-224	4.5	32
77	Novel moisture-sensitive shape memory polyurethanes containing pyridine moieties. *Polymer*, **2009** , 50, 4424-4428	3.9	119
76	Shape memory effect of thermoplastic segmented polyurethanes with self-complementary quadruple hydrogen bonding in soft segments. *European Physical Journal E*, **2009**, 28, 3-10	1.5	40
75	A review of shape memory polymer composites and blends. *Composites Part A: Applied Science and Manufacturing*, **2009**, 40, 1661-1672	8.4	432
74	Smart and Reversible Surface Plasmon Resonance Responses to Various Atmospheres for Silver Nanoparticles Loaded in Mesoporous SiO2. *Journal of Physical Chemistry C*, **2009**, 113, 19039-19045	3.8	25
73	A low-temperature thermoplastic anti-bacterial medical orthotic material made of shape memory polyurethane ionomer: influence of ionic group. *Journal of Biomaterials Science, Polymer Edition*, **2009**, 20, 199-218	3.5	17
72	Accurate indexing and classification for fabric weave patterns using entropy-based approach **2009**,		6
71	Room temperature synthesized rutile TiO(2) nanoparticles induced by laser ablation in liquid and their photocatalytic activity. *Nanotechnology*, **2009**, 20, 285707	3.4	92
70	Electrospun polyurethane nanofibres having shape memory effect. *Materials Letters*, **2008**, 62, 2074-2076	3.3	80
69	Two-way shape memory effect in polymer laminates. *Materials Letters*, **2008**, 62, 4088-4090	3.3	108
68	New Developments in Elastic Fibers. *Polymer Reviews*, **2008**, 48, 275-301	14	48
67	Self-organizing alignment of carbon nanotube in shape memory segmented fiber prepared by in situ polymerization and melt spinning. *Composites Part A: Applied Science and Manufacturing*, **2008**, 39, 314-321	8.4	64
66	Using multilayer woven fabrics in resin transfer moulding **2008**, 221-253		
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