Zijian Zheng

List of Publications by Year in Descending Order

172 papers	9,814 citations	54 h-index	95 g-index
187 ext. papers	11,650 ext. citations	14 avg, IF	6.79 L-index

#	Paper	IF	Citations
172	Solution process formation of high performance, stable nanostructured transparent metal electrodes via displacement-diffusion-etch process. *Npj Flexible Electronics*, **2022**, 6,	10.7	5
171	2D metal patterns transformed from 3D printed stamps for flexible Zn//MnO2 in-plane micro-batteries. *Chemical Engineering Journal*, **2022**, 429, 132196	14.7	5
170	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics.. *Nano-Micro Letters*, **2022**, 14, 61	19.5	9
169	Au-coated carbon fabric as Janus current collector for dendrite-free flexible lithium metal anode and battery. *Applied Physics Reviews*, **2022**, 9, 011424	17.3	1
168	Supramolecular-mediated ball-in-ball porous carbon nanospheres for ultrafast energy storage. *Informa□□Materi□y*, **2022**, 4,	23.1	2
167	Salt-assisted 2H-to-1T' Phase Transformation of Transition Metal Dichalcogenides.. *Advanced Materials*, **2022**, e2201194	24	1
166	Subnanometer MoP clusters confined in mesoporous carbon (CMK-3) as superior electrocatalytic sulfur hosts for high-performance lithium-sulfur batteries. *Chemical Engineering Journal*, **2022**, 446, 137050	14.7	1
165	Rational Design of Li-Wicking Hosts for Ultrafast Fabrication of Flexible and Stable Lithium Metal Anodes. *Small*, **2021**, e2105308	11	6
164	Pathways of Developing High-Energy-Density Flexible Lithium Batteries (Adv. Mater. 46/2021). *Advanced Materials*, **2021**, 33, 2170363	24	5
163	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. *Journal of the American Chemical Society*, **2021**, 143, 17292-17299	16.4	15
162	Metal-Based Flexible Transparent Electrodes: Challenges and Recent Advances. *Advanced Electronic Materials*, **2021**, 7, 2001121	6.4	20
161	Orthogonal photochemistry-assisted printing of 3D tough and stretchable conductive hydrogels. *Nature Communications*, **2021**, 12, 2082	17.4	32
160	Li□ Batteries: Fibrous Materials for Flexible Li□ Battery (Adv. Energy Mater. 15/2021). *Advanced Energy Materials*, **2021**, 11, 2170058	21.8	1
159	Smart materials and devices for electronic textiles. *MRS Bulletin*, **2021**, 46, 488-490	3.2	1
158	Permeable graphited hemp fabrics-based, wearing-comfortable pressure sensors for monitoring human activities. *Chemical Engineering Journal*, **2021**, 403, 126191	14.7	18
157	Fibrous Materials for Flexible Li□ Battery. *Advanced Energy Materials*, **2021**, 11, 2002580	21.8	34
156	Low-Temperature-Deposited TiO2 Nanopillars for Efficient and Flexible Perovskite Solar Cells. *Advanced Materials Interfaces*, **2021**, 8, 2001512	4.6	6

155	Textile Composite Electrodes for Flexible Batteries and Supercapacitors: Opportunities and Challenges. *Advanced Energy Materials*, **2021**, 11, 2002838	21.8	33
154	Titanium Nanopillar Arrays Functioning as Electron Transporting Layers for Efficient, Anti-Aging Perovskite Solar Cells. *Small*, **2021**, 17, e2004778	11	5
153	Dynamic cross-linking of an alginate-acrylamide tough hydrogel system: time-resolved mapping of gel self-assembly.. *RSC Advances*, **2021**, 11, 10710-10726	3.7	7
152	Textile Composite Electrodes: Textile Composite Electrodes for Flexible Batteries and Supercapacitors: Opportunities and Challenges (Adv. Energy Mater. 3/2021). *Advanced Energy Materials*, **2021**, 11, 2170012	21.8	
151	Highly Breathable and Stretchable Strain Sensors with Insensitive Response to Pressure and Bending. *Advanced Functional Materials*, **2021**, 31, 2007622	15.6	34
150	Pathways of Developing High-Energy-Density Flexible Lithium Batteries. *Advanced Materials*, **2021**, 33, e2004419	24	30
149	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. *Nature Materials*, **2021**, 20, 859-868	27	142
148	Stretchable ITO-Free Organic Solar Cells with Intrinsic Anti-Reflection Substrate for High-Efficiency Outdoor and Indoor Energy Harvesting. *Advanced Functional Materials*, **2021**, 31, 2010172	15.6	15
147	Crumpled, high-power, and safe wearable Lithium-Ion Battery enabled by nanostructured metallic textiles. *Fundamental Research*, **2021**, 1, 399-407		3
146	Polymer-Assisted Metallization of Mammalian Cells. *Advanced Materials*, **2021**, 33, e2102348	24	3
145	Prediction of adhesion between randomly rough surfaces by order statistics. *Applied Physics Letters* , **2021**, 119, 071603	3.4	4
144	Smoothing the Sodium-Metal Anode with a Self-Regulating Alloy Interface for High-Energy and Sustainable Sodium-Metal Batteries. *Advanced Materials*, **2021**, 33, e2102802	24	12
143	Realizing High-Energy and Stable Wire-Type Batteries with Flexible Lithium Metal Composite Yarns. *Advanced Energy Materials*, **2021**, 11, 2101809	21.8	10
142	Sensitive, High-Speed, and Broadband Perovskite Photodetectors with Built-In TiO Metalenses. *Small*, **2021**, 17, e2102694	11	1
141	Enabling high-energy flexible solid-state lithium ion batteries at room temperature. *Chemical Engineering Journal*, **2021**, 424, 130335	14.7	6
140	A highly sensitive stretchable strain sensor based on multi-functionalized fabric for respiration monitoring and identification. *Chemical Engineering Journal*, **2021**, 426, 130869	14.7	13
139	Interfacial design of thick sulfur cathodes to achieve high energy density and stability. *Journal of Materials Chemistry A*, **2021**, 9, 17129-17142	13	3
138	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 26050-26059	9.5	20

137	Facile Fabrication of Highly Uniform Tellurium Nanorods for Self-Powered Flexible Optoelectronics. *Advanced Electronic Materials*, **2020**, 6, 2000240	6.4	5
136	Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. *Advanced Functional Materials*, **2020**, 30, 1910541	15.6	32
135	Textile-Based Electronics **2020**, 721-748		2
134	A Figure of Merit for Flexible Batteries. *Joule*, **2020**, 4, 1346-1349	27.8	37
133	New Lithium Salt Forms Interphases Suppressing Both Li Dendrite and Polysulfide Shuttling. *Advanced Energy Materials*, **2020**, 10, 1903937	21.8	35
132	Flexible Interface Design for Stress Regulation of a Silicon Anode toward Highly Stable Dual-Ion Batteries. *Advanced Materials*, **2020**, 32, e1908470	24	81
131	Solution-Processed Transparent Electrodes for Emerging Thin-Film Solar Cells. *Chemical Reviews*, **2020**, 120, 2049-2122	68.1	76
130	Machine-washable and breathable pressure sensors based on triboelectric nanogenerators enabled by textile technologies. *Nano Energy*, **2020**, 70, 104528	17.1	84
129	Boosting the Energy Density of Flexible Asymmetric Supercapacitor with Three Dimensional Fe2O3 Composite Brush Anode. *Chemical Research in Chinese Universities*, **2020**, 36, 97-104	2.2	6
128	In situ covalent bonding in polymerization to construct robust hydrogel lubrication coating on surface of silicone elastomer. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 599, 124753	5.1	6
127	Anisotropic Hydrogels with High Mechanical Strength by Stretching-Induced Oriented Crystallization and Drying. *ACS Applied Polymer Materials*, **2020**, 2, 2142-2150	4.3	3
126	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. *Chemical Reviews*, **2020**, 120, 6009-6047	68.1	46
125	V O Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. *Advanced Materials*, **2020**, 32, e1906205	24	68
124	Nanocarbon Materials Toward Textile-Based Electrochemical Energy Storage Devices **2020**, 123-143		1
123	Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. *Advanced Materials*, **2020**, 32, e1907088	24	31
122	Rational Design of Binders for Stable Li-S and Na-S Batteries. *Advanced Functional Materials*, **2020**, 30, 1907931	15.6	51
121	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. *Joule*, **2020**, 4, 2404-2425	27.8	65
120	Visible-light-assisted multimechanism design for one-step engineering tough hydrogels in seconds. *Nature Communications*, **2020**, 11, 4694	17.4	28

119	Hollow multishelled structural NiO as a shelter for high-performance Li-S batteries. *Materials Chemistry Frontiers*, **2020**, 4, 2971-2975	7.8	5
118	500 Wh kg Class Li Metal Battery Enabled by a Self-Organized Core-Shell Composite Anode. *Advanced Materials*, **2020**, 32, e2004793	24	49
117	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. *Chemical Engineering Journal*, **2020**, 395, 124981	14.7	25
116	Simultaneous Surface Covalent Bonding and Radical Polymerization for Constructing Robust Soft Actuators with Fast Underwater Response. *Chemistry of Materials*, **2019**, 31, 9504-9512	9.6	21
115	Fabrication of Asymmetric Tubular Hydrogels through Polymerization-Assisted Welding for Thermal Flow Actuated Artificial Muscles. *Chemistry of Materials*, **2019**, 31, 4469-4478	9.6	21
114	Two-dimensional hierarchically porous carbon nanosheets for flexible aqueous supercapacitors with high volumetric capacitance. *Nanoscale*, **2019**, 11, 11086-11092	7.7	33
113	Vacuum-free fabrication of high-performance semitransparent perovskite solar cells via e-glue assisted lamination process. *Science China Chemistry*, **2019**, 62, 875-882	7.9	6
112	Polymerization induced phase separation as a generalized methodology for multi-layered hydrogel tubes. *Journal of Materials Chemistry B*, **2019**, 7, 3505-3511	7.3	3
111	Binary polymer brush patterns from facile initiator stickiness for cell culturing. *Faraday Discussions*, **2019**, 219, 189-202	3.6	4
110	Development of Dip-Pen Nanolithography (DPN) and Its Derivatives. *Small*, **2019**, 15, e1900564	11	43
109	Polymer-Assisted Metal Deposition (PAMD) for Flexible and Wearable Electronics: Principle, Materials, Printing, and Devices. *Advanced Materials*, **2019**, 31, e1902987	24	80
108	Bioinspired Microfluidic Device by Integrating a Porous Membrane and Heterostructured Nanoporous Particles for Biomolecule Cleaning. *ACS Nano*, **2019**, 13, 8374-8381	16.7	26
107	Freestanding Lamellar Porous Carbon Stacks for Low-Temperature-Foldable Supercapacitors. *Small* , **2019**, 15, e1902071	11	27
106	Phosphorus Incorporation into Co S Nanocages for Highly Efficient Oxygen Evolution Catalysis. *Small*, **2019**, 15, e1904507	11	51
105	New directions in surface functionalization and characterization: general discussion. *Faraday Discussions*, **2019**, 219, 252-261	3.6	
104	Progress in textile-based triboelectric nanogenerators for smart fabrics. *Nano Energy*, **2019**, 56, 16-24	17.1	82
103	Strategies for high performance perovskite/crystalline silicon four-terminal tandem solar cells. *Solar Energy Materials and Solar Cells*, **2018**, 179, 36-44	6.4	23
102	Graphene-based two-dimensional Janus materials. *NPG Asia Materials*, **2018**, 10, 217-237	10.3	69

101	Interfacial engineering of printable bottom back metal electrodes for full-solution processed flexible organic solar cells. *Journal of Semiconductors*, **2018**, 39, 014002	2.3	8
100	Scalable 2D Hierarchical Porous Carbon Nanosheets for Flexible Supercapacitors with Ultrahigh Energy Density. *Advanced Materials*, **2018**, 30, 1706054	24	330
99	Chemical formation of soft metal electrodes for flexible and wearable electronics. *Chemical Society Reviews*, **2018**, 47, 4611-4641	58.5	165
98	Fully Solution-Processed TCO-Free Semitransparent Perovskite Solar Cells for Tandem and Flexible Applications. *Advanced Energy Materials*, **2018**, 8, 1701569	21.8	67
97	Flexible high energy density zinc-ion batteries enabled by binder-free MnO2/reduced graphene oxide electrode. *Npj Flexible Electronics*, **2018**, 2,	10.7	50
96	Universal Nature-Inspired and Amine-Promoted Metallization for Flexible Electronics and Supercapacitors. *ACS Applied Materials & Interfaces*, **2018**, 10, 28963-28970	9.5	15
95	Improved air-stability of an organic□organic perovskite with anhydrously transferred graphene. *Journal of Materials Chemistry C*, **2018**, 6, 8663-8669	7.1	9
94	Scanning Nanowelding Lithography for Rewritable One-Step Patterning of Sub-50 nm High-Aspect-Ratio Metal Nanostructures. *Advanced Materials*, **2018**, 30, e1801772	24	13
93	Organic Flexible Electronics. *Small Methods*, **2018**, 2, 1800070	12.8	106
92	Flexible and Stretchable Perovskite Solar Cells: Device Design and Development Methods. *Small Methods*, **2018**, 2, 1800031	12.8	58
91	Functional polymer surfaces for controlling cell behaviors. *Materials Today*, **2018**, 21, 38-59	21.8	172
90	Flexible and stable high-energy lithium-sulfur full batteries with only 100% oversized lithium. *Nature Communications*, **2018**, 9, 4480	17.4	129
89	Waterproof, Ultrahigh Areal-Capacitance, Wearable Supercapacitor Fabrics. *Advanced Materials*, **2017**, 29, 1606679	24	249
88	A Transparent, Highly Stretchable, Autonomous Self-Healing Poly(dimethyl siloxane) Elastomer. *Macromolecular Rapid Communications*, **2017**, 38, 1700110	4.8	114
87	Size-tunable, highly sensitive microelectrode arrays enabled by polymer pen lithography. *Soft Matter*, **2017**, 13, 3685-3689	3.6	10
86	In situ formation of highly active Ni□Fe based oxygen-evolving electrocatalysts via simple reactive dip-coating. *Journal of Materials Chemistry A*, **2017**, 5, 11009-11015	13	54
85	Highly conductive templated-graphene fabrics for lightweight, flexible and foldable supercapacitors. *Materials Research Express*, **2017**, 4, 075602	1.7	3
84	Water-borne foldable polymer solar cells: one-step transferring free-standing polymer films onto woven fabric electrodes. *Journal of Materials Chemistry A*, **2017**, 5, 782-788	13	21

83	Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. *Advanced Energy Materials*, **2017**, 7, 1700890	21.8	147
82	Large-Area Patterning of Metal Nanostructures by Dip-Pen Nanodisplacement Lithography for Optical Applications. *Small*, **2017**, 13, 1702003	11	24
81	Polymer Brushes as Interfacial Materials for Soft Metal Conductors and Electronics **2017**, 709-734		
80	Versatile biomimetic haze films for efficiency enhancement of photovoltaic devices. *Journal of Materials Chemistry A*, **2017**, 5, 969-974	13	45
79	Monolithic hierarchical gold sponges for efficient and stable catalysis in a continuous-flow microreactor. *Materials Chemistry Frontiers*, **2017**, 1, 482-486	7.8	15
78	Visible-Light Photolabile, Charge-Convertible Poly(ionic liquid) for Light-degradable Films and Carbon-Based Electronics. *ACS Applied Materials & Interfaces*, **2016**, 8, 23431-6	9.5	3
77	Printed light-trapping nanorelief Cu electrodes for full-solution-processed flexible organic solar cells. *Materials Research Express*, **2016**, 3, 074006	1.7	2
76	Textile-Based Electrochemical Energy Storage Devices. *Advanced Energy Materials*, **2016**, 6, 1600783	21.8	216
75	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. *Small*, **2016**, 12, 272-93	11	339
74	One-step electrospinning of carbon nanowebs on metallic textiles for high-capacitance supercapacitor fabrics. *Journal of Materials Chemistry A*, **2016**, 4, 6802-6808	13	66
73	Biomimicking Nano-Micro Binary Polymer Brushes for Smart Cell Orientation and Adhesion Control. *Small*, **2016**, 12, 3400-6	11	37
72	Photoreactive and Metal-Platable Copolymer Inks for High-Throughput, Room-Temperature Printing of Flexible Metal Electrodes for Thin-Film Electronics. *Advanced Materials*, **2016**, 28, 4926-34	24	59
71	Machine-Washable Textile Triboelectric Nanogenerators for Effective Human Respiratory Monitoring through Loom Weaving of Metallic Yarns. *Advanced Materials*, **2016**, 28, 10267-10274	24	246
70	Biomimicking Topographic Elastomeric Petals (E-Petals) for Omnidirectional Stretchable and Printable Electronics. *Advanced Science*, **2015**, 2, 1400021	13.6	79
69	Bio-Inspired Chemical Fabrication of Stretchable Transparent Electrodes. *Small*, **2015**, 11, 3444-9	11	49
68	Reversible conversion of dominant polarity in ambipolar polymer/graphene oxide hybrids. *Scientific Reports*, **2015**, 5, 9446	4.9	15
67	Construction of 3D polymer brushes by dip-pen nanodisplacement lithography: understanding the molecular displacement for ultrafine and high-speed patterning. *Small*, **2015**, 11, 613-21	11	18
66	On-Tip Photo-Modulated Molecular Printing. *Angewandte Chemie*, **2015**, 127, 13086-13091	3.6	

65	Arbitrary and Parallel Nanofabrication of 3D Metal Structures with Polymer Brush Resists. *Small*, **2015**, 11, 6013-7	11	12
64	On-Tip Photo-Modulated Molecular Printing. *Angewandte Chemie - International Edition*, **2015**, 54, 12894-8	13.4	19
63	Wearable energy-dense and power-dense supercapacitor yarns enabled by scalable graphene-metallic textile composite electrodes. *Nature Communications*, **2015**, 6, 7260	17.4	462
62	Apertureless cantilever-free pen arrays for scanning photochemical printing. *Small*, **2015**, 11, 913-8	11	37
61	Photosensitive graphene transistors. *Advanced Materials*, **2014**, 26, 5239-73	24	247
60	Full-solution processed flexible organic solar cells using low-cost printable copper electrodes. *Advanced Materials*, **2014**, 26, 7271-8	24	59
59	Massively parallel patterning of complex 2D and 3D functional polymer brushes by polymer pen lithography. *ACS Applied Materials & Interfaces*, **2014**, 6, 11955-64	9.5	48
58	Salt-assisted high-throughput synthesis of single- and few-layer transition metal dichalcogenides and their application in organic solar cells. *Small*, **2014**, 10, 4651-7	11	71
57	Polymer-assisted metal deposition (PAMD): a full-solution strategy for flexible, stretchable, compressible, and wearable metal conductors. *Advanced Materials*, **2014**, 26, 5508-16	24	146
56	Three-dimensional compressible and stretchable conductive composites. *Advanced Materials*, **2014**, 26, 810-5	24	134
55	Organic electrochemical transistors with graphene-modified gate electrodes for highly sensitive and selective dopamine sensors. *Journal of Materials Chemistry B*, **2014**, 2, 191-200	7.3	90
54	Transferable, transparent and functional polymer@graphene 2D objects. *NPG Asia Materials*, **2014**, 6, e130-e130	10.3	11
53	Aqueous and air-compatible fabrication of high-performance conductive textiles. *Chemistry - an Asian Journal*, **2014**, 9, 2170-7	4.5	31
52	Ionic liquids as two-dimensional templates for the spontaneous assembly of copper nanoparticles into nanobelts and observation of an intermediate state. *RSC Advances*, **2013**, 3, 341-344	3.7	9
51	Liquid-mediated three-dimensional scanning probe nanosculpting. *Small*, **2013**, 9, 2851-6	11	13
50	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO2. *Industrial & Engineering Chemistry Research*, **2013**, 52, 3752-3761	3.9	34
49	Matrix-assisted catalytic printing for the fabrication of multiscale, flexible, foldable, and stretchable metal conductors. *Advanced Materials*, **2013**, 25, 3343-50	24	137
48	Regulating infrared photoresponses in reduced graphene oxide phototransistors by defect and atomic structure control. *ACS Nano*, **2013**, 7, 6310-20	16.7	89

47	Highly selective and sensitive glucose sensors based on organic electrochemical transistors with graphene-modified gate electrodes. *Journal of Materials Chemistry B*, **2013**, 1, 3820-3829	7.3	92
46	Salt-assisted direct exfoliation of graphite into high-quality, large-size, few-layer graphene sheets. *Nanoscale*, **2013**, 5, 7202-8	7.7	77
45	Polymer Brushes: Liquid-Mediated Three-Dimensional Scanning Probe Nanosculpting (Small 17/2013). *Small*, **2013**, 9, 2850-2850	11	1
44	Polymer Brush Electrets. *Advanced Functional Materials*, **2013**, 23, 3239-3246	15.6	17
43	The Development of Pad-Dry-Cure Compatible Method for Preparing Electrically Conductive Copper Coated Cotton Woven Fabrics. *Journal of Fiber Bioengineering and Informatics*, **2013**, 6, 117-128	2	6
42	Polymer nanostructures made by scanning probe lithography: recent progress in material applications. *Macromolecular Rapid Communications*, **2012**, 33, 359-73	4.8	32
41	High-resolution, large-area, serial fabrication of 3D polymer brush structures by parallel dip-pen nanodisplacement lithography. *Small*, **2012**, 8, 3568-72	11	27
40	Positionally defined, binary semiconductor nanoparticles synthesized by scanning probe block copolymer lithography. *Nano Letters*, **2012**, 12, 1022-5	11.5	32
39	Polymer pen lithography using dual-elastomer tip arrays. *Small*, **2012**, 8, 2664-9	11	36
38	Surface-grafted polymer-assisted electroless deposition of metals for flexible and stretchable electronics. *Chemistry - an Asian Journal*, **2012**, 7, 862-70	4.5	51
37	Fabrication of silk fibroin nanoparticles for controlled drug delivery. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	43
36	A highly sensitive ultraviolet sensor based on a facile in situ solution-grown ZnO nanorod/graphene heterostructure. *Nanoscale*, **2011**, 3, 258-64	7.7	258
35	3D-patterned polymer brush surfaces. *Nanoscale*, **2011**, 3, 4929	7.7	56
34	Stretchable conductors with ultrahigh tensile strain and stable metallic conductance enabled by prestrained polyelectrolyte nanoplatforms. *Advanced Materials*, **2011**, 23, 3090-4	24	173
33	Fabrication of Arbitrary Three-Dimensional Polymer Structures by Rational Control of the Spacing between Nanobrushes. *Angewandte Chemie*, **2011**, 123, 6636-6640	3.6	10
32	Fabrication of arbitrary three-dimensional polymer structures by rational control of the spacing between nanobrushes. *Angewandte Chemie - International Edition*, **2011**, 50, 6506-10	16.4	64
31	Facile synthesis of wide-bandgap fluorinated graphene semiconductors. *Chemistry - A European Journal*, **2011**, 17, 8896-903	4.8	112
30	Polyelectrolyte-bridged metal/cotton hierarchical structures for highly durable conductive yarns. *ACS Applied Materials & Interfaces*, **2010**, 2, 529-35	9.5	167

29	Arrays of nanoscale lenses for subwavelength optical lithography. *Nano Letters*, **2010**, 10, 4399-404	11.5	44
28	Scanning probe block copolymer lithography. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 20202-6	11.5	110
27	Programming nanostructures of polymer brushes by dip-pen nanodisplacement lithography (DNL). *Nanoscale*, **2010**, 2, 2614-8	7.7	49
26	Force- and time-dependent feature size and shape control in molecular printing via polymer-pen lithography. *Small*, **2010**, 6, 1082-6	11	56
25	A Transparent, Flexible, Low-Temperature, and Solution-Processible Graphene Composite Electrode. *Advanced Functional Materials*, **2010**, 20, 2893-2902	15.6	349
24	Thin film field-effect phototransistors from bandgap-tunable, solution-processed, few-layer reduced graphene oxide films. *Advanced Materials*, **2010**, 22, 4872-6	24	196
23	Multiplexed Protein Arrays Enabled by Polymer Pen Lithography: Addressing the Inking Challenge. *Angewandte Chemie*, **2009**, 121, 7762-7765	3.6	29
22	Multiplexed protein arrays enabled by polymer pen lithography: addressing the inking challenge. *Angewandte Chemie - International Edition*, **2009**, 48, 7626-9	16.4	103
21	Generation of metal photomasks by dip-pen nanolithography. *Small*, **2009**, 5, 1850-3	11	37
20	Binary oppositely charged polyelectrolyte brushes for highly selective electroless deposition of bimetallic patterns. *Electrochemistry Communications*, **2009**, 11, 492-495	5.1	26
19	Polymer pen lithography. *Science*, **2008**, 321, 1658-60	33.3	441
18	Polarization anisotropy dynamics for thin films of a conjugated polymer aligned by nanoimprinting. *Physical Review B*, **2008**, 77,	3.3	27
17	Topographically flat, chemically patterned PDMS stamps made by dip-pen nanolithography. *Angewandte Chemie - International Edition*, **2008**, 47, 9951-4	16.4	48
16	Efficient Conjugated-Polymer Optoelectronic Devices Fabricated by Thin-Film Transfer-Printing Technique. *Advanced Functional Materials*, **2008**, 18, 1012-1019	15.6	115
15	Surface-Directed Phase Separation of Conjugated Polymer Blends for Efficient Light-Emitting Diodes. *Advanced Functional Materials*, **2008**, 18, 2897-2904	15.6	39
14	Topographically Flat, Chemically Patterned PDMS Stamps Made by Dip-Pen Nanolithography. *Angewandte Chemie*, **2008**, 120, 10099-10102	3.6	7
13	Uniaxial alignment of liquid-crystalline conjugated polymers by nanoconfinement. *Nano Letters*, **2007**, 7, 987-92	11.5	167
12	Transfer Printing Water-Soluble Inorganic Salts. *Advanced Functional Materials*, **2006**, 16, 805-811	15.6	5

11	Polyelectrolyte Brushes as Ink Nanoreservoirs for Microcontact Printing of Ionic Species with Poly(dimethyl siloxane) Stamps. *Advanced Functional Materials*, **2006**, 16, 1037-1042	15.6	49
10	Multicomponent polymer brushes. *Journal of the American Chemical Society*, **2006**, 128, 16253-8	16.4	165
9	Topography printing to locally control wettability. *Journal of the American Chemical Society*, **2006**, 128, 7730-1	16.4	67
8	Polyelectrolyte brushes as efficient ultrathin platforms for site-selective copper electroless deposition. *Langmuir*, **2006**, 22, 6730-3	4	67
7	Bioinspired Hierarchical Structures for Contact-Sensible Adhesives. *Advanced Functional Materials*,2109076	15.6	5
6	Flexible Photodetectors Based on All-Solution-Processed Cu Electrodes and InSe Nanoflakes with High Stabilities. *Advanced Functional Materials*,2108261	15.6	5
5	Inverse Opaline Metallic Membrane Addresses the Tradeoff Between Volumetric Capacitance and Areal Capacitance of Supercapacitor. *Advanced Energy Materials*,2102802	21.8	3
4	3D Dip-Pen Nanolithography. *Advanced Materials Technologies*,2101493	6.8	2
3	Permeable Conductors for Wearable and On-Skin Electronics. *Small Structures*,2100135	8.7	12
2	Liquid‐Metal-Superlyophilic and Conductivity‐Strain-Enhancing Scaffold for Permeable Superelastic Conductors. *Advanced Functional Materials*,2105587	15.6	13
1	Inverted Anode Structure for Long-Life Lithium Metal Batteries. *Advanced Energy Materials*,2200584	21.8	2