

# Lynden A Archer

## List of Publications by Citations

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255  
papers

28,301  
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78  
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165  
g-index

269  
ext. papers

31,923  
ext. citations

11.7  
avg, IF

7.82  
L-index

#	Paper	IF	Citations
255	Hollow Micro-/Nanostructures: Synthesis and Applications. <i>Advanced Materials</i> , <b>2008</b> , 20, 3987-4019	24	2631
254	Porous hollow carbon@sulfur composites for high-power lithium-sulfur batteries. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5904-8	16.4	1461
253	Constructing hierarchical spheres from large ultrathin anatase TiO <sub>2</sub> nanosheets with nearly 100% exposed (001) facets for fast reversible lithium storage. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6124-30	16.4	1149
252	Stable lithium electrodeposition in liquid and nanoporous solid electrolytes. <i>Nature Materials</i> , <b>2014</b> , 13, 961-9	27	1096
251	Design principles for electrolytes and interfaces for stable lithium-metal batteries. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	990
250	Designed Synthesis of Coaxial SnO <sub>2</sub> @carbon Hollow Nanospheres for Highly Reversible Lithium Storage. <i>Advanced Materials</i> , <b>2009</b> , 21, 2536-2539	24	965
249	Suppression of lithium dendrite growth using cross-linked polyethylene/poly(ethylene oxide) electrolytes: a new approach for practical lithium-metal polymer batteries. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7395-402	16.4	600
248	Reversible epitaxial electrodeposition of metals in battery anodes. <i>Science</i> , <b>2019</b> , 366, 645-648	33.3	512
247	Designing solid-state electrolytes for safe, energy-dense batteries. <i>Nature Reviews Materials</i> , <b>2020</b> , 5, 229-252	73.3	484
246	Porous Hollow Carbon@Sulfur Composites for High-Power Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6026-6030	3.6	445
245	One-Pot Synthesis of Carbon-Coated SnO <sub>2</sub> Nanocolloids with Improved Reversible Lithium Storage Properties. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2868-2874	9.6	406
244	Preparation of SnO <sub>2</sub> /Carbon Composite Hollow Spheres and Their Lithium Storage Properties. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6562-6566	9.6	393
243	Cryo-STEM mapping of solid-liquid interfaces and dendrites in lithium-metal batteries. <i>Nature</i> , <b>2018</b> , 560, 345-349	50.4	390
242	Poly(ethylene oxide)/Silica Nanocomposites: Structure and Rheology. <i>Langmuir</i> , <b>2002</b> , 18, 10435-10442	4	378
241	Metal-Sulfur Battery Cathodes Based on PAN-Sulfur Composites. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12143-52	16.4	376
240	Formation of SnO <sub>2</sub> hollow nanospheres inside mesoporous silica nanoreactors. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 21-3	16.4	364
239	Solid-state polymer electrolytes with in-built fast interfacial transport for secondary lithium batteries. <i>Nature Energy</i> , <b>2019</b> , 4, 365-373	62.3	363

238	A stable room-temperature sodium-sulfur battery. <i>Nature Communications</i> , <b>2016</b> , 7, 11722	17.4	353
237	A highly reversible room-temperature lithium metal battery based on crosslinked hairy nanoparticles. <i>Nature Communications</i> , <b>2015</b> , 6, 10101	17.4	333
236	Fast ion transport at solid-solid interfaces in hybrid battery anodes. <i>Nature Energy</i> , <b>2018</b> , 3, 310-316	62.3	313
235	Lithium-sulfur battery cathode enabled by lithium-nitrile interaction. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 763-7	16.4	310
234	SnO <sub>2</sub> hollow structures and TiO <sub>2</sub> nanosheets for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 9912		308
233	A General Route to Nonspherical Anatase TiO <sub>2</sub> Hollow Colloids and Magnetic Multifunctional Particles. <i>Advanced Materials</i> , <b>2008</b> , 20, 1853-1858	24	300
232	Thermal formation of mesoporous single-crystal Co <sub>3</sub> O <sub>4</sub> nano-needles and their lithium storage properties. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 4397		297
231	Nanomaterials: Science and applications in the lithium-sulfur battery. <i>Nano Today</i> , <b>2015</b> , 10, 315-338	17.9	282
230	Shell-by-shell synthesis of tin oxide hollow colloids with nanoarchitected walls: cavity size tuning and functionalization. <i>Small</i> , <b>2007</b> , 3, 261-5	11	269
229	Ionic-liquid-nanoparticle hybrid electrolytes: applications in lithium metal batteries. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 488-92	16.4	255
228	Ionic liquid-nanoparticle hybrid electrolytes and their application in secondary lithium-metal batteries. <i>Advanced Materials</i> , <b>2012</b> , 24, 4430-5	24	253
227	Stable Cycling of Lithium Metal Batteries Using High Transference Number Electrolytes. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1402073	21.8	252
226	Enhanced Li-S Batteries Using Amine-Functionalized Carbon Nanotubes in the Cathode. <i>ACS Nano</i> , <b>2016</b> , 10, 1050-9	16.7	251
225	Lithium Fluoride Additives for Stable Cycling of Lithium Batteries at High Current Densities. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500246	6.4	241
224	Langmuir-Blodgett artificial solid-electrolyte interphases for practical lithium metal batteries. <i>Nature Energy</i> , <b>2018</b> , 3, 889-898	62.3	237
223	Designing solid-liquid interphases for sodium batteries. <i>Nature Communications</i> , <b>2017</b> , 8, 898	17.4	212
222	25th anniversary article: polymer-particle composites: phase stability and applications in electrochemical energy storage. <i>Advanced Materials</i> , <b>2014</b> , 26, 201-34	24	210
221	Regulating Li deposition at artificial solid electrolyte interphases. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3483-3492	13	206

220	The Li <sub>2</sub> CO <sub>3</sub> battery: a novel method for CO <sub>2</sub> capture and utilization. <i>RSC Advances</i> , <b>2013</b> , 3, 6656	3.7	202
219	Nanoporous Polymer-Ceramic Composite Electrolytes for Lithium Metal Batteries. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300654	21.8	199
218	One-pot formation of SnO <sub>2</sub> hollow nanospheres and alpha-Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> nanorattles with large void space and their lithium storage properties. <i>Nanoscale</i> , <b>2009</b> , 1, 280-5	7.7	189
217	A liquid derivative of 12-tungstophosphoric acid with unusually high conductivity. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15358-9	16.4	189
216	Stabilizing electrodeposition in elastic solid electrolytes containing immobilized anions. <i>Science Advances</i> , <b>2016</b> , 2, e1600320	14.3	183
215	Nanostructured electrolytes for stable lithium electrodeposition in secondary batteries. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2947-56	24.3	161
214	Regulating electrodeposition morphology of lithium: towards commercially relevant secondary Li metal batteries. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 2701-2750	58.5	160
213	Stability Analysis of Electrodeposition across a Structured Electrolyte with Immobilized Anions. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, A847-A855	3.9	159
212	A novel non-aqueous aluminum sulfur battery. <i>Journal of Power Sources</i> , <b>2015</b> , 283, 416-422	8.9	153
211	High Lithium Transference Number Electrolytes via Creation of 3-Dimensional, Charged, Nanoporous Networks from Dense Functionalized Nanoparticle Composites. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 834-839	9.6	152
210	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605512	24	151
209	Stable Artificial Solid Electrolyte Interphases for Lithium Batteries. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4181-4189	15.1	151
208	Designing Artificial Solid-Electrolyte Interphases for Single-Ion and High-Efficiency Transport in Batteries. <i>Joule</i> , <b>2017</b> , 1, 394-406	27.8	146
207	Sodium-oxygen batteries: a new class of metal-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12623	13	143
206	Nanoscale organic hybrid electrolytes. <i>Advanced Materials</i> , <b>2010</b> , 22, 3677-80	24	139
205	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 992-996	16.4	139
204	Nucleation and Growth of Lithium Peroxide in the Li-O <sub>2</sub> Battery. <i>Nano Letters</i> , <b>2015</b> , 15, 5995-6002	11.5	127
203	Phase stability and dynamics of entangled polymer-nanoparticle composites. <i>Nature Communications</i> , <b>2015</b> , 6, 7198	17.4	123

202	Solid electrolyte interphases for high-energy aqueous aluminum electrochemical cells. <i>Science Advances</i> , <b>2018</b> , 4, eaau8131	14.3	121
201	In situ synthesis of lithium sulfide-carbon composites as cathode materials for rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1433-1440	13	120
200	Ionic liquid-nanoparticle hybrid electrolytes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4066		118
199	An in situ method of creating metal oxide-carbon composites and their application as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11092		117
198	Self-assembled MoS <sub>2</sub> -carbon nanostructures: influence of nanostructuring and carbon on lithium battery performance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12988		115
197	The ages in a self-suspended nanoparticle liquid. <i>Nano Letters</i> , <b>2010</b> , 10, 111-5	11.5	115
196	Tethered nanoparticle-polymer composites: phase stability and curvature. <i>Langmuir</i> , <b>2012</b> , 28, 6276-81	4	114
195	Electrochemical Interphases for High-Energy Storage Using Reactive Metal Anodes. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 80-88	24.3	114
194	Hybrid cathode architectures for lithium batteries based on TiS <sub>2</sub> and sulfur. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19857-19866	13	111
193	Design Principles of Functional Polymer Separators for High-Energy, Metal-Based Batteries. <i>Small</i> , <b>2018</b> , 14, e1703001	11	111
192	High-Capacity and Ultrafast Na-Ion Storage of a Self-Supported 3D Porous Antimony Persulfide-Graphene Foam Architecture. <i>Nano Letters</i> , <b>2017</b> , 17, 3668-3674	11.5	109
191	Electroless Formation of Hybrid Lithium Anodes for Fast Interfacial Ion Transport. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13070-13077	16.4	107
190	Ionic Liquid-Tethered Nanoparticle Suspensions: A Novel Class of Ionogels. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1386-1392	9.6	101
189	Nanoporous Hybrid Electrolytes for High-Energy Batteries Based on Reactive Metal Anodes. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602367	21.8	95
188	Composite lithium battery anodes based on carbon@Co <sub>3</sub> O <sub>4</sub> nanostructures: Synthesis and characterization. <i>Journal of Power Sources</i> , <b>2012</b> , 200, 53-58	8.9	95
187	Stable lithium electrodeposition in salt-reinforced electrolytes. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 413-418	8.9	94
186	Nanoscale organic-inorganic hybrid lubricants. <i>Langmuir</i> , <b>2011</b> , 27, 3083-94	4	93
185	Layered organosilicate nanoparticles with liquidlike behavior. <i>Small</i> , <b>2005</b> , 1, 80-2	11	92

184	Solid-state polymer electrolytes for high-performance lithium metal batteries. <i>Nature Communications</i> , <b>2019</b> , 10, 4398	17.4	90
183	Carbon dioxide assist for non-aqueous sodium-oxygen batteries. <i>Electrochemistry Communications</i> , <b>2013</b> , 27, 59-62	5.1	90
182	The O <sub>2</sub> -assisted Al/CO <sub>2</sub> electrochemical cell: A system for CO <sub>2</sub> capture/conversion and electric power generation. <i>Science Advances</i> , <b>2016</b> , 2, e1600968	14.3	85
181	Nucleation and Early Stage Growth of Li Electrodeposits. <i>Nano Letters</i> , <b>2019</b> , 19, 8191-8200	11.5	81
180	An Unusual Example of Hyperbranched Metal Nanocrystals and Their Shape Evolution. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3921-3923	9.6	81
179	A rechargeable Na-O <sub>2</sub> /O <sub>2</sub> battery enabled by stable nanoparticle hybrid electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17723-17729	13	79
178	Controlling electrochemical growth of metallic zinc electrodes: Toward affordable rechargeable energy storage systems. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	78
177	Designer interphases for the lithium-oxygen electrochemical cell. <i>Science Advances</i> , <b>2017</b> , 3, e1602809	14.3	76
176	Relaxation Dynamics of Nanoparticle-Tethered Polymer Chains. <i>Macromolecules</i> , <b>2015</b> , 48, 6280-6293	5.5	73
175	Electrolytic vascular systems for energy-dense robots. <i>Nature</i> , <b>2019</b> , 571, 51-57	50.4	72
174	Electrolytes for high-energy lithium batteries. <i>Applied Nanoscience (Switzerland)</i> , <b>2012</b> , 2, 91-109	3.3	71
173	Highly Conductive, Sulfonated, UV-Cross-Linked Separators for Li-O <sub>2</sub> Batteries. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5147-5154	9.6	70
172	Nanoporous hybrid electrolytes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10094		70
171	Optical Polarimetry and Mechanical Rheometry of Poly(ethylene oxide)-Silica Dispersions. <i>Macromolecules</i> , <b>2004</b> , 37, 1928-1936	5.5	69
170	The synthesis and properties of nanoscale ionic materials. <i>Applied Organometallic Chemistry</i> , <b>2010</b> , 24, 581-589	3.1	68
169	Tethered Molecular Sorbents: Enabling Metal-Sulfur Battery Cathodes. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400390	21.8	67
168	Proton Intercalation/De-Intercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3048-3052	16.4	67
167	Ionic-Liquid-Nanoparticle Hybrid Electrolytes: Applications in Lithium Metal Batteries. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 498-502	3.6	66

166	Polymer nanocomposites: polymer and particle dynamics. <i>Soft Matter</i> , <b>2012</b> , 8, 10813	3.6	66
165	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. <i>Science Advances</i> , <b>2020</b> , 6, eabb1122	14.3	64
164	Stabilizing polymer electrolytes in high-voltage lithium batteries. <i>Nature Communications</i> , <b>2019</b> , 10, 3091	17.4	63
163	Stabilizing electrochemical interfaces in viscoelastic liquid electrolytes. <i>Science Advances</i> , <b>2018</b> , 4, eaao6243	24.3	60
162	Rechargeable Lithium Metal Batteries with an In-Built Solid-State Polymer Electrolyte and a High Voltage/Loading Ni-Rich Layered Cathode. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905629	24	59
161	Boundary Lubrication and Surface Mobility of Mixed Alkylsilane Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 13123-13132	3.4	59
160	Interfacial Slip Violations in Polymer Solutions: Role of Microscale Surface Roughness. <i>Langmuir</i> , <b>2003</b> , 19, 3304-3312	4	58
159	Structure-property study of cross-linked hydrocarbon/poly(ethylene oxide) electrolytes with superior conductivity and dendrite resistance. <i>Chemical Science</i> , <b>2016</b> , 7, 6832-6838	9.4	58
158	Hybrid Hairy Nanoparticle Electrolytes Stabilizing Lithium Metal Batteries. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2147-2157	9.6	57
157	Interfacial friction of surfaces grafted with one- and two-component self-assembled monolayers. <i>Langmuir</i> , <b>2005</b> , 21, 5405-13	4	57
156	A highly conductive, non-flammable polymer-nanoparticle hybrid electrolyte. <i>RSC Advances</i> , <b>2015</b> , 5, 20800-20809	3.7	56
155	Ionic-Liquid-Tethered Nanoparticles: Hybrid Electrolytes. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9344-9347	3.6	56
154	Functionalizing Polymer Surfaces by Field-Induced Migration of Copolymer Additives. 1. Role of Surface Energy Gradients. <i>Macromolecules</i> , <b>2001</b> , 34, 4572-4579	5.5	56
153	Structure and rheology of nanoparticle-polymer suspensions. <i>Soft Matter</i> , <b>2012</b> , 8, 4097	3.6	54
152	Step Shear Dynamics of Entangled Polymer Liquids. <i>Macromolecules</i> , <b>2002</b> , 35, 5194-5202	5.5	54
151	Stabilizing metal battery anodes through the design of solid electrolyte interphases. <i>Joule</i> , <b>2021</b> , 5, 1119-1142	1.84	54
150	Size-Dependent Particle Dynamics in Entangled Polymer Nanocomposites. <i>Langmuir</i> , <b>2016</b> , 32, 596-603	4	53
149	Flow field visualization of entangled polybutadiene solutions under nonlinear viscoelastic flow conditions. <i>Journal of Rheology</i> , <b>2013</b> , 57, 1411-1428	4.1	52

148	Physical Orphaning versus Chemical Instability: Is Dendritic Electrodeposition of Li Fatal?. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1349-1355	20.1	51
147	Multifunctional Separator Coatings for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600450	4.6	51
146	Regulating electrodeposition morphology in high-capacity aluminium and zinc battery anodes using interfacial metal-substrate bonding. <i>Nature Energy</i> , <b>2021</b> , 6, 398-406	62.3	51
145	Enabling reversible redox reactions in electrochemical cells using protected LiAl intermetallics as lithium metal anodes. <i>Science Advances</i> , <b>2019</b> , 5, eaax5587	14.3	50
144	Crowded, confined, and frustrated: dynamics of molecules tethered to nanoparticles. <i>Physical Review Letters</i> , <b>2012</b> , 109, 258301	7.4	50
143	Solid-state polymer electrolytes stabilized by task-specific salt additives. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7823-7830	13	48
142	Aerosol assisted synthesis of hierarchical tin-carbon composites and their application as lithium battery anode materials. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8710	13	47
141	High energy lithium-oxygen batteries – transport barriers and thermodynamics. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 8927	35.4	47
140	Interfacial friction and adhesion of polymer brushes. <i>Langmuir</i> , <b>2011</b> , 27, 9387-95	4	46
139	Thermal jamming of a colloidal glass. <i>Physical Review Letters</i> , <b>2011</b> , 107, 268302	7.4	46
138	Semiconducting Metal-Organic Polymer Nanosheets for a Photoinvolved Li-O Battery under Visible Light. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1941-1947	16.4	45
137	Entropic Attraction of Polymers toward Surfaces and Its Relationship to Surface Tension. <i>Macromolecules</i> , <b>2006</b> , 39, 7718-7728	5.5	44
136	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1004-1008	3.6	44
135	Soft Colloidal Glasses as Solid-State Electrolytes. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5996-6004	9.6	43
134	Linear and Nonlinear Viscoelasticity of Entangled Multiarm (Pom-Pom) Polymer Liquids. <i>Macromolecules</i> , <b>2004</b> , 37, 1076-1088	5.5	43
133	Interphases in Lithium-Sulfur Batteries: Toward Deployable Devices with Competitive Energy Density and Stability. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2104-2113	20.1	42
132	Confining electrodeposition of metals in structured electrolytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6620-6625	11.5	42
131	A Dendrite-Free Lithium Metal Battery Model Based on Nanoporous Polymer/Ceramic Composite Electrolytes and High-Energy Electrodes. <i>Small</i> , <b>2015</b> , 11, 2631-5	11	41



130	Nanocrystal self-assembly assisted by oriented attachment. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 578-80	16.4	40
129	Surface Tension of Symmetric Star Polymer Melts. <i>Macromolecules</i> , <b>2008</b> , 41, 5007-5013	5.5	40
128	Linear Rheology of Entangled Six-Arm and Eight-Arm Polybutadienes. <i>Macromolecules</i> , <b>2001</b> , 34, 6438-6449	5.5	40
127	Multifunctional Cross-Linked Polymeric Membranes for Safe, High-Performance Lithium Batteries. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 2058-2066	9.6	39
126	Nonlinear rheology of highly entangled polymer solutions in start-up and steady shear flow. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 2275-2289	2.6	39
125	Stress Relaxation of Branched Polymers. <i>Macromolecules</i> , <b>2005</b> , 38, 10763-10771	5.5	38
124	Piperidinium tethered nanoparticle-hybrid electrolyte for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11866-11873	13	36
123	Model Membrane-Free Li-S Batteries for Enhanced Performance and Cycle Life. <i>Advanced Science</i> , <b>2015</b> , 2, 1500068	13.6	35
122	CO <sub>2</sub> and ambient air in metal-oxygen batteries: steps towards reality. <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 1070-1079	6.8	35
121	Stress Relaxation of End-Linked Polydimethylsiloxane Elastomers with Long Pendent Chains. <i>Macromolecules</i> , <b>2005</b> , 38, 7174-7180	5.5	35
120	Tube Dynamics in Binary Polymer Blends. <i>Macromolecules</i> , <b>2005</b> , 38, 3917-3932	5.5	35
119	Functionalizing polymer surfaces by surface migration of copolymer additives: role of additive molecular weight. <i>Polymer</i> , <b>2002</b> , 43, 2721-2728	3.9	35
118	Self-suspended suspensions of covalently grafted hairy nanoparticles. <i>Langmuir</i> , <b>2015</b> , 31, 3222-31	4	34
117	Hierarchical Structure in Semicrystalline Polymers Tethered to Nanospheres. <i>Macromolecules</i> , <b>2014</b> , 47, 687-694	5.5	33
116	Strain-accelerated dynamics of soft colloidal glasses. <i>Physical Review E</i> , <b>2011</b> , 83, 041402	2.4	33
115	Spontaneous sharp bending of DNA: role of melting bubbles. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 4554-60	20.1	33
114	Characterization of Sulfur and Nanostructured Sulfur Battery Cathodes in Electron Microscopy Without Sublimation Artifacts. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 155-162	0.5	32
113	Relaxation Dynamics of Polymer Liquids in Nonlinear Step Shear. <i>Macromolecules</i> , <b>2002</b> , 35, 10216-10224	5.5	32

112	On the Reversibility and Fragility of Sodium Metal Electrodes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901651-8	5.8	31
111	Stabilizing Protic and Aprotic Liquid Electrolytes at High-Bandgap Oxide Interphases. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5655-5662	9.6	31
110	Stress Relaxation of Star/Linear Polymer Blends. <i>Macromolecules</i> , <b>2002</b> , 35, 6687-6696	5.5	31
109	Monte Carlo simulation of structure and nanoscale interactions in polymer nanocomposites. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 10814-24	3.9	30
108	Self-suspended polymer grafted nanoparticles. <i>Current Opinion in Chemical Engineering</i> , <b>2017</b> , 16, 92-101	5.4	29
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