

# Pu Chen

## List of Publications by Citations

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207  
papers

7,741  
citations

49  
h-index

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g-index

217  
ext. papers

8,870  
ext. citations

6.8  
avg, IF

6.33  
L-index

#	Paper	IF	Citations
207	Biocompatibility of engineered nanoparticles for drug delivery. <i>Journal of Controlled Release</i> , <b>2013</b> , 166, 182-94	11.7	467
206	Biocompatibility of hydrogel-based scaffolds for tissue engineering applications. <i>Biotechnology Advances</i> , <b>2017</b> , 35, 530-544	17.8	360
205	Suppression of Dendrite Formation and Corrosion on Zinc Anode of Secondary Aqueous Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9681-9687	9.5	282
204	Effect of amino acid sequence and pH on nanofiber formation of self-assembling peptides EAK16-II and EAK16-IV. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1433-42	6.9	211
203	Ternary sulfur/polyacrylonitrile/Mg <sub>0.6</sub> Ni <sub>0.4</sub> O composite cathodes for high performance lithium/sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 295-301	13	191
202	Highly Ordered Mesoporous Silicon Carbide Ceramics with Large Surface Areas and High Stability. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 561-567	15.6	187
201	Rechargeable hybrid aqueous batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 216, 222-226	8.9	167
200	Concentration effect on the aggregation of a self-assembling oligopeptide. <i>Biophysical Journal</i> , <b>2003</b> , 85, 537-48	2.9	127
199	Surface Adsorption of Polyethylene Glycol to Suppress Dendrite Formation on Zinc Anodes in Rechargeable Aqueous Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 2409-2418	4.3	113
198	One-step synthesis of branched sulfur/polypyrrole nanocomposite cathode for lithium rechargeable batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 208, 1-8	8.9	111
197	Nonviral approach for targeted nucleic acid delivery. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 197-208	4.3	99
196	Numerical modeling of fluid flow in solid tumors. <i>PLoS ONE</i> , <b>2011</b> , 6, e20344	3.7	99
195	Physicochemical characterization of calcium lignosulfonate as a potentially useful water reducer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 282-283, 489-497	5.1	98
194	Self-assembling peptide as a potential carrier of hydrophobic compounds. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 7522-32	16.4	96
193	A novel nano-sulfur/polypyrrole/graphene nanocomposite cathode with a dual-layered structure for lithium rechargeable batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 241, 517-521	8.9	94
192	Self-assembly of the ionic peptide EAK16: the effect of charge distributions on self-assembly. <i>Biophysical Journal</i> , <b>2004</b> , 87, 1249-59	2.9	92
191	Influence of pH on the behavior of lignosulfonate macromolecules in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 371, 50-58	5.1	87

190	Nanosilica/carbon composite spheres as anodes in Li-ion batteries with excellent cycle stability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1476-1482	13	86
189	Synthesis of poly(ethylene-oxide)/nanoclay solid polymer electrolyte for all solid-state lithium/sulfur battery. <i>Ionics</i> , <b>2015</b> , 21, 381-385	2.7	85
188	Stabilizing lithium/sulfur batteries by a composite polymer electrolyte containing mesoporous silica particles. <i>Journal of Power Sources</i> , <b>2014</b> , 245, 656-662	8.9	85
187	Novel Rechargeable M <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> //Zinc (M = Li, Na) Hybrid Aqueous Batteries with Excellent Cycling Performance. <i>Scientific Reports</i> , <b>2016</b> , 6, 25809	4.9	84
186	Numerical Modeling of Interstitial Fluid Flow Coupled with Blood Flow through a Remodeled Solid Tumor Microvascular Network. <i>PLoS ONE</i> , <b>2013</b> , 8, e67025	3.7	84
185	Highly Sustainable Zinc Anodes for a Rechargeable Hybrid Aqueous Battery. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1667-1673	4.8	84
184	Recent development of polymer membranes as separators for all-vanadium redox flow batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 72805-72815	3.7	81
183	A novel polymer electrolyte to improve the cycle life of high performance lithium/sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2769	13	81
182	Self-Assembling Peptide as a Potential Carrier for Hydrophobic Anticancer Drug Ellipticine: Complexation, Release and In Vitro Delivery. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 74-83	15.6	80
181	Polymer electrolytes for lithium/sulfur batteries. <i>Membranes</i> , <b>2012</b> , 2, 553-64	3.8	77
180	The electrochemical performance improvement of LiMn <sub>2</sub> O <sub>4</sub> /Zn based on zinc foil as the current collector and thiourea as an electrolyte additive. <i>Journal of Power Sources</i> , <b>2015</b> , 300, 453-459	8.9	75
179	Electrochemical performance of lithium gel polymer battery with nanostructured sulfur/carbon composite cathode. <i>Solid State Ionics</i> , <b>2013</b> , 234, 40-45	3.3	74
178	Effect of nanosized Mg <sub>0.6</sub> Ni <sub>0.4</sub> O prepared by self-propagating high temperature synthesis on sulfur cathode performance in Li/S batteries. <i>Powder Technology</i> , <b>2013</b> , 235, 248-255	5.2	68
177	Artificial solid electrolyte interphase for aqueous lithium energy storage systems. <i>Science Advances</i> , <b>2017</b> , 3, e1701010	14.3	68
176	Anion effect on the nanostructure of a metal ion binding self-assembling peptide. <i>Langmuir</i> , <b>2006</b> , 22, 8553-62	4	68
175	Surface-assisted assembly of an ionic-complementary peptide: controllable growth of nanofibers. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 12200-10	16.4	65
174	Corrosion chemistry and protection of zinc & zinc alloys by polymer-containing materials for potential use in rechargeable aqueous batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 41677-41691	3.7	64
173	Effect of tumor shape and size on drug delivery to solid tumors. <i>Journal of Biological Engineering</i> , <b>2012</b> , 6, 4	6.3	63

172	Binding mechanism of sulfur and dehydrogenated polyacrylonitrile in sulfur/polymer composite cathode. <i>Journal of Power Sources</i> , <b>2013</b> , 241, 61-69	8.9	63
171	Modification of hydrophilic and hydrophobic surfaces using an ionic-complementary peptide. <i>PLoS ONE</i> , <b>2007</b> , 2, e1325	3.7	63
170	Poly(vinylidene fluoride-co-hexafluoropropylene)/poly(methylmethacrylate)/nanoclay composite gel polymer electrolyte for lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 1111-1116	2.6	62
169	Effect of mesoporous carbon microtube prepared by carbonizing the poplar catkin on sulfur cathode performance in Li/S batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 619, 298-302	5.7	61
168	Simple, scalable, and economical preparation of sulfur/PAN composite cathodes for Li/S batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 259, 183-187	8.9	60
167	Sensitivity analysis of a mathematical model of lithium-sulfur cells part I: Applied discharge current and cathode conductivity. <i>Journal of Power Sources</i> , <b>2014</b> , 257, 394-401	8.9	60
166	A sulfur/polyacrylonitrile/graphene composite cathode for lithium batteries with excellent cyclability. <i>Journal of Power Sources</i> , <b>2014</b> , 252, 107-112	8.9	59
165	Effect of Graphene on Sulfur/Polyacrylonitrile Nanocomposite Cathode in High Performance Lithium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A1194-A1198	3.9	58
164	Biomolecule-guided cation regulation for dendrite-free metal anodes. <i>Science Advances</i> , <b>2020</b> , 6, eabb1342	14.3	56
163	Synthesis of Hierarchical Porous Sulfur/Polypyrrole/Multiwalled Carbon Nanotube Composite Cathode for Lithium Batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 143, 49-55	6.7	54
162	Effect of temperature and pressure on surface tension of polystyrene in supercritical carbon dioxide. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 3859-68	3.4	54
161	Solvent effect on the photophysical properties of the anticancer agent ellipticine. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 11446-54	2.8	54
160	Interfacial Super-Assembled Porous CeO <sub>2</sub> /C Frameworks Featuring Efficient and Sensitive Decomposing Li <sub>2</sub> O <sub>2</sub> for Smart LiO <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901751	21.8	53
159	Rechargeable hybrid aqueous batteries using silica nanoparticle doped aqueous electrolytes. <i>Applied Energy</i> , <b>2016</b> , 170, 58-64	10.7	51
158	A novel sulfur/polypyrrole/multi-walled carbon nanotube nanocomposite cathode with core-shell tubular structure for lithium rechargeable batteries. <i>Solid State Ionics</i> , <b>2013</b> , 238, 30-35	3.3	49
157	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pH-Speed Regulation at Ultralow Physiological H <sub>2</sub> O <sub>2</sub> Concentration. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808900	15.6	48
156	Controlling the sustainability and shape change of the zinc anode in rechargeable aqueous Zn/LiMn <sub>2</sub> O <sub>4</sub> battery. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 131-138	19.4	48
155	Graphene-based ultrathin microporous carbon with smaller sulfur molecules for excellent rate performance of lithium-sulfur cathode. <i>Journal of Power Sources</i> , <b>2015</b> , 282, 70-78	8.9	47

154	Binder-free flexible LiMn <sub>2</sub> O <sub>4</sub> /carbon nanotube network as high power cathode for rechargeable hybrid aqueous battery. <i>Journal of Power Sources</i> , <b>2016</b> , 326, 498-504	8.9	45
153	Surface Tension Measurement of Polystyrene Melts in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 1650-1658	3.9	44
152	Development in Lithium/Sulfur Secondary Batteries. <i>Open Materials Science Journal</i> , <b>2011</b> , 5, 215-221		44
151	Sustainable Gel Electrolyte Containing Pyrazole as Corrosion Inhibitor and Dendrite Suppressor for Aqueous Zn/LiMn <sub>2</sub> O <sub>4</sub> Battery. <i>ChemSusChem</i> , <b>2017</b> , 10, 2816-2822	8.3	43
150	Sensitivity analysis of a mathematical model of lithium-sulfur cells: Part II: Precipitation reaction kinetics and sulfur content. <i>Journal of Power Sources</i> , <b>2014</b> , 257, 402-411	8.9	43
149	Sequence effect of self-assembling peptides on the complexation and in vitro delivery of the hydrophobic anticancer drug ellipticine. <i>PLoS ONE</i> , <b>2008</b> , 3, e1956	3.7	43
148	Single-Phase Mixed Transition Metal Carbonate Encapsulated by Graphene: Facile Synthesis and Improved Lithium Storage Properties. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705817	15.6	41
147	Phenazine-based organic cathode for aqueous zinc secondary batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 468, 228401	8.9	40
146	Functioning Mechanism of the Secondary Aqueous Zn-MnO Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 12834-12846	9.5	40
145	Preparation of novel network nanostructured sulfur composite cathode with enhanced stable cycle performance. <i>Journal of Power Sources</i> , <b>2014</b> , 270, 326-331	8.9	40
144	Analysis of a Mathematical Model of Lithium-Sulfur Cells Part III: Electrochemical Reaction Kinetics, Transport Properties and Charging. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 575-585	6.7	40
143	Formation of colloidal suspension of hydrophobic compounds with an amphiphilic self-assembling peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2007</b> , 55, 200-11	6	40
142	Three-dimensional carbon fiber as current collector for lithium/sulfur batteries. <i>Ionics</i> , <b>2014</b> , 20, 803-808	2.7	39
141	Bone regeneration based on nano-hydroxyapatite and hydroxyapatite/chitosan nanocomposites: an in vitro and in vivo comparative study. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	39
140	Origins of the failure of classical nucleation theory for nanocellular polymer foams. <i>Soft Matter</i> , <b>2011</b> , 7, 7351	3.6	39
139	Thixotropic gel electrolyte containing poly(ethylene glycol) with high zinc ion concentration for the secondary aqueous Zn/LiMn <sub>2</sub> O <sub>4</sub> battery. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 836, 1-6	4.1	38
138	Physicochemical characterization of siRNA-peptide complexes. <i>Biotechnology Progress</i> , <b>2008</b> , 24, 957-63	2.8	38
137	CRITICAL SELF-ASSEMBLY CONCENTRATION OF AN IONIC-COMPLEMENTARY PEPTIDE EAK16-I <b>2004</b> , 80, 913-931		38

136	Sustainable gel electrolyte containing Pb <sup>2+</sup> as corrosion inhibitor and dendrite suppressor for the zinc anode in the rechargeable hybrid aqueous battery. <i>Materials Today Energy</i> , <b>2017</b> , 4, 34-40	7	36
135	Molecular binding of self-assembling peptide EAK16-II with anticancer agent EPT and its implication in cancer cell inhibition. <i>Journal of Controlled Release</i> , <b>2012</b> , 160, 33-40	11.7	36
134	Fabrication and Characterization of an Effective Polymer Nanocomposite Electrolyte Membrane for High Performance Lithium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A1052-A1060	3.8	36
133	Amino Acid Pairing for De Novo Design of Self-Assembling Peptides and Their Drug Delivery Potential. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2456-2464	15.6	36
132	Surface Characterization of Hydrosilylated Polypropylene: Contact Angle Measurement and Atomic Force Microscopy. <i>Langmuir</i> , <b>2001</b> , 17, 2965-2972	4	36
131	Performance of Thixotropic Gel Electrolytes in the Rechargeable Aqueous Zn/LiMn <sub>2</sub> O <sub>4</sub> Battery. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1804-1811	8.3	35
130	Super-assembled core-shell mesoporous silica-metal-phenolic network nanoparticles for combinatorial photothermal therapy and chemotherapy. <i>Nano Research</i> , <b>2020</b> , 13, 1013-1019	10	35
129	One-pot approach to synthesize PPy@S core-shell nanocomposite cathode for Li/S batteries. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	35
128	Peptide and peptide-carbon nanotube hydrogels as scaffolds for tissue & 3D tumor engineering. <i>Acta Biomaterialia</i> , <b>2018</b> , 69, 107-119	10.8	34
127	Synthesis and electrochemical investigation of nanosized LiMn <sub>2</sub> O <sub>4</sub> as cathode material for rechargeable hybrid aqueous batteries. <i>Materials Letters</i> , <b>2014</b> , 137, 311-314	3.3	32
126	Microporous and mesoporous materials for gas storage and separation: a review. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2013</b> , 8, 618-626	1.3	31
125	Self-assembling peptides: potential role in tumor targeting. <i>Current Pharmaceutical Biotechnology</i> , <b>2011</b> , 12, 1089-100	2.6	30
124	Serum stability and physicochemical characterization of a novel amphipathic peptide C6M1 for siRNA delivery. <i>PLoS ONE</i> , <b>2014</b> , 9, e97797	3.7	29
123	Concentration dependence of the film pressure of human serum albumin at the water/decane interface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1996</b> , 6, 279-289	6	29
122	Interaction of an ionic complementary peptide with a hydrophobic graphite surface. <i>Protein Science</i> , <b>2010</b> , 19, 1639-48	6.3	28
121	Effect of Cholesterol on Cellular Uptake of Cancer Drugs Pirarubicin and Ellipticine. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 3148-56	3.4	28
120	Design and evaluation of endosomolytic biocompatible peptides as carriers for siRNA delivery. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 56-65	5.6	27
119	Self-assembling peptide for co-delivery of HIV-1 CD8 <sup>+</sup> T cells epitope and Toll-like receptor 7/8 agonists R848 to induce maturation of monocyte derived dendritic cell and augment polyfunctional cytotoxic T lymphocyte (CTL) response. <i>Journal of Controlled Release</i> , <b>2016</b> , 236, 22-30	11.7	27

118	Dispersion of multiwalled carbon nanotubes in water using ionic-complementary peptides. <i>Langmuir</i> , <b>2012</b> , 28, 12550-6	4	25
117	Thermodynamic characterization of the interaction between a peptide-drug complex and serum proteins. <i>Langmuir</i> , <b>2014</b> , 30, 11122-30	4	24
116	A new amphipathic, amino-acid-pairing (AAP) peptide as siRNA delivery carrier: physicochemical characterization and in vitro uptake. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 13183-91	3.4	24
115	Uptake Mechanism and Direct Translocation of a New CPP for siRNA Delivery. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 1366-74	5.6	23
114	Modification of a designed amphipathic cell-penetrating peptide and its effect on solubility, secondary structure, and uptake efficiency. <i>Biochemistry</i> , <b>2013</b> , 52, 3428-35	3.2	23
113	Ionic-complementary peptide matrix for enzyme immobilization and biomolecular sensing. <i>Langmuir</i> , <b>2009</b> , 25, 7773-7	4	23
112	Histidine-Rich Cell-Penetrating Peptide for Cancer Drug Delivery and Its Uptake Mechanism. <i>Langmuir</i> , <b>2019</b> , 35, 3513-3523	4	22
111	Surface-assisted assembly of a histidine-rich lipidated peptide for simultaneous exfoliation of graphite and functionalization of graphene nanosheets. <i>Nanoscale</i> , <b>2019</b> , 11, 2999-3012	7.7	22
110	Rational modification of oligoarginine for highly efficient siRNA delivery: structure-activity relationship and mechanism of intracellular trafficking of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 435-46	6	22
109	Towards maximal cell density predictions for polymeric foams. <i>Polymer</i> , <b>2011</b> , 52, 5622-5629	3.9	22
108	Cyclability of sulfur/dehydrogenated polyacrylonitrile composite cathode in lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 69-76	2.6	21
107	Lignosulfonate Separation Using Preparative Column Chromatography. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 10792-10799	3.9	21
106	Peptide mediated siRNA delivery. <i>Current Topics in Medicinal Chemistry</i> , <b>2009</b> , 9, 1088-97	3	21
105	Effect of microvascular distribution and its density on interstitial fluid pressure in solid tumors: A computational model. <i>Microvascular Research</i> , <b>2015</b> , 101, 26-32	3.7	20
104	Synthesis and electrochemical properties of LiFePO <sub>4</sub> /graphene composite as a novel cathode material for rechargeable hybrid aqueous battery. <i>Materials Letters</i> , <b>2015</b> , 158, 248-251	3.3	20
103	Effect of pressure and temperature on interfacial tension of poly lactic acid melt in supercritical carbon dioxide. <i>Thermochimica Acta</i> , <b>2015</b> , 609, 1-6	2.9	20
102	Surface tension and adsorption kinetics of amphiphiles in aqueous solutions: the role of carbon chain length and temperature. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 370, 183-91	9.3	20
101	Diethylene glycol functionalized self-assembling peptide nanofibers and their hydrophobic drug delivery potential. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3241-50	10.8	20

100	Adsorption of an Ionic Complementary Peptide on the Hydrophobic Graphite Surface. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 454-459	3.8	20
99	Ionic-complementary peptide-modified highly ordered pyrolytic graphite electrode for biosensor application. <i>Biotechnology Progress</i> , <b>2008</b> , 24, 964-71	2.8	20
98	Mechanical-force-induced nucleation and growth of peptide nanofibers at liquid/solid interfaces. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4397-400	16.4	20
97	Adsorption of Surface-Modified Silica Nanoparticles to the Interface of Melt Poly(lactic acid) and Supercritical Carbon Dioxide. <i>Langmuir</i> , <b>2015</b> , 31, 5571-9	4	19
96	Design and Characterization of a Multifunctional pH-Triggered Peptide C8 for Selective Anticancer Activity. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2709-18	10.1	19
95	Enhancing rate performance of LiMn2O4 cathode in rechargeable hybrid aqueous battery by hierarchical carbon nanotube/acetylene black conductive pathways. <i>Ionics</i> , <b>2016</b> , 22, 71-76	2.7	18
94	Biosynthesis and Characterization of Poly-(3-hydroxybutyrate-co-3-hydroxyvalerate) from <i>Bacillus cereus</i> S10. <i>Journal of Polymers and the Environment</i> , <b>2012</b> , 20, 865-871	4.5	18
93	Effect of poly (vinylidene fluoride)/poly (vinyl acetate) blend composition as cathode binder on electrochemical performances of aqueous Li-ion battery. <i>Solid State Ionics</i> , <b>2018</b> , 320, 84-91	3.3	17
92	Influence of different silica gelling agents on the performance of aqueous gel electrolytes. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 42, 101-106	6.3	17
91	Measurement of interfacial tension in PS/LDPE melts saturated with supercritical CO <sub>2</sub> . <i>Polymer Engineering and Science</i> , <b>2004</b> , 44, 18-27	2.3	16
90	Binding mechanism and electrochemical properties of M13 phage-sulfur composite. <i>PLoS ONE</i> , <b>2013</b> , 8, e82332	3.7	15
89	Interaction of a self-assembling peptide with oligonucleotides: complexation and aggregation. <i>Biophysical Journal</i> , <b>2007</b> , 93, 2477-90	2.9	15
88	Sequential Superassembly of Nanofiber Arrays to Carbonaceous Ordered Mesoporous Nanowires and Their Heterostructure Membranes for Osmotic Energy Conversion. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6922-6932	16.4	15
87	Super-Assembled Hierarchical CoO Nanosheets-Cu Foam Composites as Multi-Level Hosts for High-Performance Lithium Metal Anodes. <i>Small</i> , <b>2021</b> , 17, e2101301	11	15
86	Adsorption Kinetics of Aqueous n-Alcohols: A New Kinetic Equation for Surfactant Transfer. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2522-2528	3.8	14
85	A novel peptide for efficient siRNA delivery in vitro and therapeutics in vivo. <i>Acta Biomaterialia</i> , <b>2015</b> , 21, 74-84	10.8	13
84	Hybrid peptide-carbon nanotube dispersions and hydrogels. <i>Carbon</i> , <b>2014</b> , 71, 284-293	10.4	13
83	A simple and rapid method to isolate purer M13 phage by isoelectric precipitation. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 8023-9	5.7	13



82	Material process development for the fabrication of heterogeneous titanium structures with selective pore morphology by a hybrid additive manufacturing process. <i>Materials and Design</i> , <b>2017</b> , 135, 142-150	8.1	13
81	Highly efficient dendrite suppressor and corrosion inhibitor based on gelatin/Mn <sup>2+</sup> Co-additives for aqueous rechargeable zinc-manganese dioxide battery. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 127189 <sup>14-7</sup>		13
80	Unveiling Conversion Reaction on Intercalation-Based Transition Metal Oxides for High Power, High Energy Aqueous Lithium Battery. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802254	21.8	13
79	Tuning Microstructures of Graphene to Improve Power Capability of Rechargeable Hybrid Aqueous Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37110-37118	9.5	13
78	Characterization and evaluation of a peptide-based siRNA delivery system in vitro. <i>Drug Delivery and Translational Research</i> , <b>2017</b> , 7, 507-515	6.2	12
77	In vitro investigation of anticancer efficacy of carboplatin-loaded PEGylated nanoliposome particles on brain cancer cell lines. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	12
76	The effect of sulfur loading on the electrochemical performance of a sulfur-polymer composite cathode coated on aluminium foil. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 13843-8	3.6	12
75	Effective small interfering RNA delivery in vitro via a new stearylated cationic peptide. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 3303-14	7.3	12
74	Effect of temperature on the surface tension of 1-hexanol aqueous solutions. <i>Langmuir</i> , <b>2011</b> , 27, 2446-55	4.5	12
73	Acrylonitrile copolymer/graphene skinned cathode for long cycle life rechargeable hybrid aqueous batteries at high-temperature. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 248-255	6.7	11
72	Self-Discharge of Rechargeable Hybrid Aqueous Battery. <i>ECS Electrochemistry Letters</i> , <b>2015</b> , 4, A151-A154		11
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