

Donghai Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255 papers	19,333 citations	68 h-index	136 g-index
264 ext. papers	21,353 ext. citations	8.9 avg, IF	6.93 L-index

#	Paper	IF	Citations
255	Self-assembled TiO ₂ -graphene hybrid nanostructures for enhanced Li-ion insertion. <i>ACS Nano</i> , 2009 , 3, 907-14	16.7	1517
254	Nitrogen-Doped Mesoporous Carbon Promoted Chemical Adsorption of Sulfur and Fabrication of High-Areal-Capacity Sulfur Cathode with Exceptional Cycling Stability for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2014 , 24, 1243-1250	15.6	820
253	Ternary self-assembly of ordered metal oxide-graphene nanocomposites for electrochemical energy storage. <i>ACS Nano</i> , 2010 , 4, 1587-95	16.7	731
252	Nanostructures and lithium electrochemical reactivity of lithium titanites and titanium oxides: A review. <i>Journal of Power Sources</i> , 2009 , 192, 588-598	8.9	717
251	Strong lithium polysulfide chemisorption on electroactive sites of nitrogen-doped carbon composites for high-performance lithium-sulfur battery cathodes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4325-9	16.4	630
250	Enhanced activity and stability of Pt catalysts on functionalized graphene sheets for electrocatalytic oxygen reduction. <i>Electrochemistry Communications</i> , 2009 , 11, 954-957	5.1	562
249	Organic solvent pretreatment of lignocellulosic biomass for biofuels and biochemicals: A review. <i>Bioresource Technology</i> , 2016 , 199, 21-33	11	473
248	Advanced Sulfur Cathode Enabled by Highly Crumpled Nitrogen-Doped Graphene Sheets for High-Energy-Density Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016 , 16, 864-70	11.5	460
247	Chemically bonded phosphorus/graphene hybrid as a high performance anode for sodium-ion batteries. <i>Nano Letters</i> , 2014 , 14, 6329-35	11.5	380
246	Polymer-graphene nanocomposites as ultrafast-charge and -discharge cathodes for rechargeable lithium batteries. <i>Nano Letters</i> , 2012 , 12, 2205-11	11.5	380
245	Glucose biosensor based on immobilization of glucose oxidase in platinum nanoparticles/graphene/chitosan nanocomposite film. <i>Talanta</i> , 2009 , 80, 403-6	6.2	368
244	Polymer-inorganic solid-electrolyte interphase for stable lithium metal batteries under lean electrolyte conditions. <i>Nature Materials</i> , 2019 , 18, 384-389	27	367
243	Micro-sized Si-C Composite with Interconnected Nanoscale Building Blocks as High-Performance Anodes for Practical Application in Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 295-300	21.8	355
242	Interpenetrated Gel Polymer Binder for High-Performance Silicon Anodes in Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2014 , 24, 5904-5910	15.6	354
241	Stabilization of electrocatalytic metal nanoparticles at metal-metal oxide-graphene triple junction points. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2541-7	16.4	352
240	Oriented nanostructures for energy conversion and storage. <i>ChemSusChem</i> , 2008 , 1, 676-97	8.3	333
239	LiMnPO ₄ nanoplate grown via solid-state reaction in molten hydrocarbon for Li-ion battery cathode. <i>Nano Letters</i> , 2010 , 10, 2799-805	11.5	318

238	Optimization of Air Electrode for Li/Air Batteries. <i>Journal of the Electrochemical Society</i> , 2010 , 157, A4873-9	286
237	Polyanthraquinone as a Reliable Organic Electrode for Stable and Fast Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13947-51	16.4 243
236	Effect of entropy change of lithium intercalation in cathodes and anodes on Li-ion battery thermal management. <i>Journal of Power Sources</i> , 2010 , 195, 3720-3729	8.9 242
235	Synthesis and Li-Ion Insertion Properties of Highly Crystalline Mesoporous Rutile TiO ₂ . <i>Chemistry of Materials</i> , 2008 , 20, 3435-3442	9.6 233
234	Advanced Sodium Ion Battery Anode Constructed via Chemical Bonding between Phosphorus, Carbon Nanotube, and Cross-Linked Polymer Binder. <i>ACS Nano</i> , 2015 , 9, 11933-41	16.7 220
233	Mesoporous carbon-carbon nanotube-sulfur composite microspheres for high-area-capacity lithium-sulfur battery cathodes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11355-62	9.5 212
232	Stable metal battery anodes enabled by polyethylenimine sponge hosts by way of electrokinetic effects. <i>Nature Energy</i> , 2018 , 3, 1076-1083	62.3 212
231	Interfacial Chemistry Regulation via a Skin-Grafting Strategy Enables High-Performance Lithium-Metal Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15288-15291	16.4 203
230	Organosulfide-plasticized solid-electrolyte interphase layer enables stable lithium metal anodes for long-cycle lithium-sulfur batteries. <i>Nature Communications</i> , 2017 , 8, 850	17.4 192
229	Phosphorus-Graphene Nanosheet Hybrids as Lithium-Ion Anode with Exceptional High-Temperature Cycling Stability. <i>Advanced Science</i> , 2015 , 2, 1400020	13.6 186
228	High-Performance Hybrid Supercapacitor Enabled by a High-Rate Si-based Anode. <i>Advanced Functional Materials</i> , 2014 , 24, 7433-7439	15.6 185
227	Silicon core-hollow carbon shell nanocomposites with tunable buffer voids for high capacity anodes of lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 12741-5	3.6 184
226	Bottom-up synthesis of high surface area mesoporous crystalline silicon and evaluation of its hydrogen evolution performance. <i>Nature Communications</i> , 2014 , 5, 3605	17.4 176
225	Strong Lithium Polysulfide Chemisorption on Electroactive Sites of Nitrogen-Doped Carbon Composites For High-Performance Lithium-Sulfur Battery Cathodes. <i>Angewandte Chemie</i> , 2015 , 127, 4399-4403	3.6 165
224	Formation of SnS nanoflowers for lithium ion batteries. <i>Chemical Communications</i> , 2012 , 48, 5608-10	5.8 151
223	Micro-sized silicon-carbon composites composed of carbon-coated sub-10 nm Si primary particles as high-performance anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1257-1262	13 149
222	Bis(2,2,2-trifluoroethyl) ether as an electrolyte co-solvent for mitigating self-discharge in lithium-sulfur batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8006-10	9.5 146
221	Influence of Silicon Nanoscale Building Blocks Size and Carbon Coating on the Performance of Micro-Sized Si/C Composite Li-Ion Anodes. <i>Advanced Energy Materials</i> , 2013 , 3, 1507-1515	21.8 146

220	High Capacity MoO ₂ /Graphite Oxide Composite Anode for Lithium-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 309-14	6.4	139
219	Dual conductive network-enabled graphene/SiO ₂ composite anode with high areal capacity for lithium-ion batteries. <i>Nano Energy</i> , 2014 , 6, 211-218	17.1	137
218	GeO _x /Reduced Graphene Oxide Composite as an Anode for Li-Ion Batteries: Enhanced Capacity via Reversible Utilization of Li ₂ O along with Improved Rate Performance. <i>Advanced Functional Materials</i> , 2014 , 24, 1059-1066	15.6	135
217	Functional Organosulfide Electrolyte Promotes an Alternate Reaction Pathway to Achieve High Performance in Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4231-5	16.4	132
216	Low-temperature and high-rate-charging lithium metal batteries enabled by an electrochemically active monolayer-regulated interface. <i>Nature Energy</i> , 2020 , 5, 534-542	62.3	129
215	Li-ion batteries from LiFePO ₄ cathode and anatase/graphene composite anode for stationary energy storage. <i>Electrochemistry Communications</i> , 2010 , 12, 378-381	5.1	125
214	Effects of Biomass Feedstocks and Gasification Conditions on the Physiochemical Properties of Char. <i>Energies</i> , 2013 , 6, 3972-3986	3.1	123
213	Exceptionally High Ionic Conductivity in Na P As S with Improved Moisture Stability for Solid-State Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1605561	24	122
212	Asymmetric Temperature Modulation for Extreme Fast Charging of Lithium-Ion Batteries. <i>Joule</i> , 2019 , 3, 3002-3019	27.8	122
211	Electrodeposition of Metallic Nanowire Thin Films Using Mesoporous Silica Templates. <i>Advanced Materials</i> , 2003 , 15, 130-133	24	119
210	A general route to macroscopic hierarchical 3D nanowire networks. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6169-73	16.4	116
209	Self-Formed Hybrid Interphase Layer on Lithium Metal for High-Performance Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2018 , 12, 1500-1507	16.7	114
208	Amorphous Zn ₂ GeO ₄ nanoparticles as anodes with high reversible capacity and long cycling life for Li-ion batteries. <i>Nano Energy</i> , 2013 , 2, 498-504	17.1	112
207	Understanding the effect of a fluorinated ether on the performance of lithium-sulfur batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9169-77	9.5	107
206	Acid-Functionalized Magnetic Nanoparticle as Heterogeneous Catalysts for Biodiesel Synthesis. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26020-26028	3.8	100
205	Salt-Based Organic-Inorganic Nanocomposites: Towards A Stable Lithium Metal/Li Ge P S Solid Electrolyte Interface. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13608-13612	16.4	97
204	Mechanism of Enhanced Carbon Cathode Performance by Nitrogen Doping in Lithium-Sulfur Battery: An X-ray Absorption Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7765-7771	3.8	93
203	Polyanthraquinone as a Reliable Organic Electrode for Stable and Fast Lithium Storage. <i>Angewandte Chemie</i> , 2015 , 127, 14153-14157	3.6	87

202	Exceptional electrochemical performance of rechargeable LiS batteries with a polysulfide-containing electrolyte. <i>RSC Advances</i> , 2013 , 3, 3540	3.7	85
201	Soy protein adhesion enhanced by glutaraldehyde crosslink. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 130-136	2.9	85
200	Flexible freestanding sandwich-structured sulfur cathode with superior performance for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8623-8627	13	82
199	General Method of Manipulating Formation, Composition, and Morphology of Solid-Electrolyte Interphases for Stable Li-Alloy Anodes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17359-17367	16.4	81
198	Advanced anode for sodium-ion battery with promising long cycling stability achieved by tuning phosphorus-carbon nanostructures. <i>Nano Energy</i> , 2017 , 40, 550-558	17.1	81
197	Porous spherical carbon/sulfur nanocomposites by aerosol-assisted synthesis: the effect of pore structure and morphology on their electrochemical performance as lithium/sulfur battery cathodes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7596-606	9.5	78
196	A soft-hard template approach towards hollow mesoporous silica nanoparticles with rough surfaces for controlled drug delivery and protein adsorption. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6480-6489	7.3	75
195	Fluorinated Electrolytes for Li-S Battery: Suppressing the Self-Discharge with an Electrolyte Containing Fluoroether Solvent. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A64-A68	3.9	74
194	A Scientific Study of Current Collectors for Mg Batteries in Mg(AlCl ₂ EtBu) ₂ /THF Electrolyte. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A351-A355	3.9	72
193	Low-Temperature Synthesis of Tunable Mesoporous Crystalline Transition Metal Oxides and Applications as Au Catalyst Supports. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13499-13509	3.8	72
192	Surface-mediated growth of transparent, oriented, and well-defined nanocrystalline anatase titania films. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13670-1	16.4	72
191	Stable Li Metal Anode by a Hybrid Lithium Polysulfidophosphate/Polymer Cross-Linking Film. <i>ACS Energy Letters</i> , 2019 , 4, 1271-1278	20.1	71
190	Facile synthesis of graphene-silicon nanocomposites with an advanced binder for high-performance lithium-ion battery anodes. <i>Solid State Ionics</i> , 2014 , 254, 65-71	3.3	71
189	High capacity of lithium-sulfur batteries at low electrolyte/sulfur ratio enabled by an organosulfide containing electrolyte. <i>Nano Energy</i> , 2017 , 31, 418-423	17.1	70
188	Porous spherical polyacrylonitrile-carbon nanocomposite with high loading of sulfur for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016 , 302, 70-78	8.9	70
187	Facile synthesis of hierarchical MoS ₂ -carbon microspheres as a robust anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9653-9660	13	68
186	Titanium nitride coating to enhance the performance of silicon nanoparticles as a lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10375-10378	13	67
185	Silica-Templated Continuous Mesoporous Carbon Films by a Spin-Coating Technique. <i>Advanced Materials</i> , 2004 , 16, 884-886	24	65

184	Self-Templated Synthesis of Mesoporous Carbon from Carbon Tetrachloride Precursor for Supercapacitor Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6779-83	9.5	62
183	Metal and Semiconductor Nanowire Network Thin Films with Hierarchical Pore Structures. <i>Chemistry of Materials</i> , 2006 , 18, 4231-4237	9.6	62
182	Pyrolysis of Torrefied Biomass. <i>Trends in Biotechnology</i> , 2018 , 36, 1287-1298	15.1	60
181	Improved rate capability of Si α composite anodes by boron doping for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 36, 29-32	5.1	60
180	Effects of the pelleting conditions on chemical composition and sugar yield of corn stover, big bluestem, wheat straw, and sorghum stalk pellets. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 615-623	3.7	60
179	Isoelectric pH of polyamide- ϵ -pichlorohydrin modified soy protein improved water resistance and adhesion properties. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2261-2270	2.9	59
178	Magnetic cobalt nanowire thin films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1919-22	3.4	59
177	Stable Li metal anode by a polyvinyl alcohol protection layer via modifying solid-electrolyte interphase layer. <i>Nano Energy</i> , 2019 , 64, 103893	17.1	56
176	Self-assembled materials for catalysis. <i>Nano Research</i> , 2009 , 2, 1-29	10	56
175	Enhanced performance of SiO $_2$ /Fe $_2$ O $_3$ composite as an anode for rechargeable Li-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 28, 79-82	5.1	54
174	Interfacially controlled synthesis of hollow mesoporous silica spheres with radially oriented pore structures. <i>Langmuir</i> , 2010 , 26, 12267-72	4	54
173	A new approach to both high safety and high performance of lithium-ion batteries. <i>Science Advances</i> , 2020 , 6, eaay7633	14.3	53
172	Hierarchical mesoporous silica wires by confined assembly. <i>Chemical Communications</i> , 2005 , 166-7	5.8	53
171	A Fluorinated Ether Electrolyte Enabled High Performance Prelithiated Graphite/Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6959-6966	9.5	51
170	Electrokinetic Phenomena Enhanced Lithium-Ion Transport in Leaky Film for Stable Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1900704	21.8	51
169	Lithium-ion batteries for stationary energy storage. <i>Jom</i> , 2010 , 62, 24-30	2.1	51
168	Scalable process for application of stabilized lithium metal powder in Li-ion batteries. <i>Journal of Power Sources</i> , 2016 , 309, 33-41	8.9	50
167	Solvothermal synthesis of V $_2$ O $_5$ /graphene nanocomposites for high performance lithium ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014 , 185, 7-12	3.1	49

166	Thermal properties and adhesion strength of modified soybean storage proteins. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2004 , 81, 395-400	1.8	47
165	A quaternary sodium superionic conductor - Na _{10.8} Sn _{1.9} PS _{11.8} . <i>Nano Energy</i> , 2018 , 47, 325-330	17.1	45
164	Artificial dual solid-electrolyte interfaces based on in situ organothiol transformation in lithium sulfur battery. <i>Nature Communications</i> , 2021 , 12, 3031	17.4	45
163	A facile route for rapid synthesis of hollow mesoporous silica nanoparticles as pH-responsive delivery carrier. <i>Journal of Colloid and Interface Science</i> , 2015 , 451, 101-7	9.3	44
162	Amorphous Si/SiO _x /SiO ₂ nanocomposites via facile scalable synthesis as anode materials for Li-ion batteries with long cycling life. <i>RSC Advances</i> , 2012 , 2, 12710	3.7	42
161	Evaluation of Waxy Grain Sorghum for Ethanol Production. <i>Cereal Chemistry</i> , 2011 , 88, 589-595	2.4	42
160	Sulfuric acid pretreatment and enzymatic hydrolysis of photoperiod sensitive sorghum for ethanol production. <i>Bioprocess and Biosystems Engineering</i> , 2011 , 34, 485-92	3.7	41
159	Semimicro-size agglomerate structured silicon-carbon composite as an anode material for high performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 334, 128-136	8.9	41
158	Physicochemical Properties and Adhesion Performance of Canola Protein Modified with Sodium Bisulfite. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 897-908	1.8	40
157	Adhesive Performance of Sorghum Protein Extracted from Sorghum DDGS and Flour. <i>Journal of Polymers and the Environment</i> , 2011 , 19, 755-765	4.5	40
156	Conversion of liquid hot water, acid and alkali pretreated industrial hemp biomasses to bioethanol. <i>Bioresource Technology</i> , 2020 , 309, 123383	11	39
155	Origin of Outstanding Phase and Moisture Stability in a NaPAS Superionic Conductor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16261-16269	9.5	38
154	Relationships between cellulosic biomass particle size and enzymatic hydrolysis sugar yield: Analysis of inconsistent reports in the literature. <i>Renewable Energy</i> , 2013 , 60, 127-136	8.1	36
153	Supremely elastic gel polymer electrolyte enables a reliable electrode structure for silicon-based anodes. <i>Nature Communications</i> , 2019 , 10, 5586	17.4	36
152	Toward Better Lithium Sulfur Batteries: Functional Non-aqueous Liquid Electrolytes. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 388-402	29.3	34
151	Bio-Based Wood Adhesive from Camelina Protein (a Biodiesel Residue) and Depolymerized Lignin with Improved Water Resistance. <i>ACS Omega</i> , 2017 , 2, 7996-8004	3.9	34
150	Ti-substituted Li[Li _{0.26} Mn _{0.68} Ti _x Ni _{0.07} Co _{0.07}]O ₂ layered cathode material with improved structural stability and suppressed voltage fading. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17376-17384	13	33
149	Functional Organosulfide Electrolyte Promotes an Alternate Reaction Pathway to Achieve High Performance in Lithium Sulfur Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 4303-4307	3.6	33

148	Integrating Si nanoscale building blocks into micro-sized materials to enable practical applications in lithium-ion batteries. <i>Nanoscale</i> , 2016 , 8, 1834-48	7.7	33
147	Physicochemical Properties of Soy Protein Adhesives Obtained by In Situ Sodium Bisulfite Modification During Acid Precipitation. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 301-312	1.8	33
146	A General Route to Macroscopic Hierarchical 3D Nanowire Networks. <i>Angewandte Chemie</i> , 2004 , 116, 6295-6299	3.6	33
145	Wet Strength and Water Resistance of Modified Soy Protein Adhesives and Effects of Drying Treatment. <i>Journal of Polymers and the Environment</i> , 2003 , 11, 137-144	4.5	32
144	Minimized Volume Expansion in Hierarchical Porous Silicon upon Lithiation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13257-13263	9.5	31
143	Stable Hydrophobic Ionic Liquid Gel Electrolyte for Stretchable Fiber-Shaped Dye-Sensitized Solar Cell. <i>ChemNanoMat</i> , 2015 , 1, 399-402	3.5	29
142	Templated synthesis, characterization, and sensing application of macroscopic platinum nanowire network electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 1904-9	1.3	29
141	Self-Assembly of Mesostructured Conjugated Poly(2,5-thienylene ethynylene)/Silica Nanocomposites. <i>Advanced Materials</i> , 2003 , 15, 1266-1269	24	29
140	Integrated bioethanol production to boost low-concentrated cellulosic ethanol without sacrificing ethanol yield. <i>Bioresource Technology</i> , 2018 , 250, 299-305	11	29
139	Superior Performance of a Lithium Sulfur Battery Enabled by a Dimethyl Trisulfide Containing Electrolyte. <i>Small Methods</i> , 2018 , 2, 1800038	12.8	28
138	Aerosol-Assisted Formation of Mesostructured Thin Films. <i>Advanced Materials</i> , 2003 , 15, 1733-1736	24	28
137	Copolymers from epoxidized soybean oil and lactic acid oligomers for pressure-sensitive adhesives. <i>RSC Advances</i> , 2015 , 5, 27256-27265	3.7	27
136	Corn stover pretreatment by metal oxides for improving lignin removal and reducing sugar degradation and water usage. <i>Bioresource Technology</i> , 2018 , 263, 232-241	11	26
135	Synthesis and understanding of Na ₁₁ Sn ₂ PSe ₁₂ with enhanced ionic conductivity for all-solid-state Na-ion battery. <i>Energy Storage Materials</i> , 2019 , 17, 70-77	19.4	26
134	Ultrasonic vibration-assisted pelleting of wheat straw: a predictive model for energy consumption using response surface methodology. <i>Ultrasonics</i> , 2014 , 54, 305-11	3.5	25
133	Effects of glycerol and nanoclay on physiochemical properties of camelina gum-based films. <i>Carbohydrate Polymers</i> , 2016 , 152, 747-754	10.3	25
132	Assessing Fermentation Quality of Grain Sorghum for Fuel Ethanol Production Using Rapid Visco-Analyzer. <i>Cereal Chemistry</i> , 2008 , 85, 830-836	2.4	22
131	Appropriate biorefining strategies for multiple feedstocks: Critical evaluation for pretreatment methods, and hydrolysis with high solids loading. <i>Renewable Energy</i> , 2016 , 96, 832-842	8.1	22

130	Effect of ozone treatment on physicochemical properties of waxy rice flour and waxy rice starch. <i>International Journal of Food Science and Technology</i> , 2015 , 50, 744-749	3.8	21
129	Rapid Determination of Both Structural Polysaccharides and Soluble Sugars in Sorghum Biomass Using Near-Infrared Spectroscopy. <i>Bioenergy Research</i> , 2015 , 8, 130-136	3.1	20
128	On the denaturation of enzymes in the process of foam fractionation. <i>Bioseparation</i> , 1998 , 7, 167-174		20
127	Preparation of Micrometer- to Sub-micrometer-Sized Nanostructured Silica Particles Using High-Energy Ball Milling. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1280-1286	3.8	20
126	Rational design and synthesis of 3D MoS ₂ hierarchy architecture with tunable nanosheets and 2H/1T phase within graphene for superior lithium storage. <i>Electrochimica Acta</i> , 2016 , 211, 1048-1055	6.7	20
125	Atomic-Scale Mechanisms of Enhanced Electrochemical Properties of Mo-Doped Co-Free Layered Oxide Cathodes for Lithium-Ion Batteries. <i>ACS Energy Letters</i> , 2019 , 4, 2540-2546	20.1	19
124	Integrating bran starch hydrolysates with alkaline pretreated soft wheat bran to boost sugar concentration. <i>Bioresource Technology</i> , 2020 , 302, 122826	11	19
123	High-solid pretreatment of corn stover using urea for enzymatic saccharification. <i>Bioresource Technology</i> , 2018 , 259, 83-90	11	19
122	Probing Porosity and Pore Interconnectivity in Self-Assembled TiO ₂ /Graphene Hybrid Nanostructures Using Hyperpolarized ¹²⁹ Xe NMR. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22-29	3.8	19
121	Probing Porosity and Pore Interconnectivity in Crystalline Mesoporous TiO ₂ Using Hyperpolarized ¹²⁹ Xe NMR. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6577-6583	3.8	19
120	Sorghum Protein Extraction by Sonication and Its Relationship to Ethanol Fermentation. <i>Cereal Chemistry</i> , 2008 , 85, 837-842	2.4	19
119	Effects of ultrasonic vibration-assisted pelleting on chemical composition and sugar yield of corn stover and sorghum stalk. <i>Renewable Energy</i> , 2015 , 76, 160-166	8.1	18
118	Impacts of Kafirin Allelic Diversity, Starch Content, and Protein Digestibility on Ethanol Conversion Efficiency in Grain Sorghum. <i>Cereal Chemistry</i> , 2014 , 91, 218-227	2.4	18
117	Investigation on characteristics of corn stover and sorghum stalk processed by ultrasonic vibration-assisted pelleting. <i>Renewable Energy</i> , 2017 , 101, 1075-1086	8.1	18
116	Crystal and electronic structure of lithiated nanosized rutile TiO ₂ by electron diffraction and electron energy-loss spectroscopy. <i>Applied Physics Letters</i> , 2009 , 94, 233116	3.4	18
115	Adhesion and Physicochemical Properties of Soy Protein Modified by Sodium Bisulfite. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2013 , 90, 1917-1926	1.8	17
114	Rapid determination of sugar content in corn stover hydrolysates using near infrared spectroscopy. <i>Bioresource Technology</i> , 2013 , 147, 293-298	11	17
113	Carbon dioxide hydrogenation to aromatic hydrocarbons by using an iron/iron oxide nanocatalyst. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 760-9	3	17

112	Ethanol-Production Performance of Ozone-Treated Tannin Grain Sorghum Flour. <i>Cereal Chemistry</i> , 2012 , 89, 30-37	2.4	17
111	The combination of intercalation and conversion reactions to improve the volumetric capacity of the cathode in LiS batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3618-3623	13	16
110	Development of High-Strength Soy Protein Adhesives Modified with Sodium Montmorillonite Clay. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2016 , 93, 1509-1517	1.8	16
109	Reconstructing ZnO quantum dot assembled tubular structures from nanotubes within graphene matrix via ongoing pulverization towards high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 19123-19131	13	16
108	Room-Temperature Synthesis of Mesoporous Sn/SnO ₂ Composite as Anode for Sodium-Ion Batteries. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1950-1954	2.3	16
107	A sandwich-type sulfur cathode based on multifunctional ceria hollow spheres for high-performance lithium-sulfur batteries. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1317-1322	7.8	15
106	Vapor-induced solid-liquid-solid process for silicon-based nanowire growth. <i>Journal of Power Sources</i> , 2010 , 195, 1691-1697	8.9	15
105	Organosulfide-Based Deep Eutectic Electrolyte for Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9881-9885	16.4	15
104	Bottom-up synthesis of mesoporous carbon/silicon carbide composite at low temperature for supercapacitor electrodes. <i>Materials Letters</i> , 2017 , 198, 140-143	3.3	14
103	Seed yield and oil quality as affected by Camelina cultivar and planting date. <i>Journal of Crop Improvement</i> , 2019 , 33, 202-222	1.4	14
102	Effects of cutting orientation in poplar wood biomass size reduction on enzymatic hydrolysis sugar yield. <i>Bioresource Technology</i> , 2015 , 194, 407-10	11	14
101	Hidden Subsurface Reconstruction and Its Atomic Origins in Layered Oxide Cathodes. <i>Nano Letters</i> , 2020 , 20, 2756-2762	11.5	14
100	Long-term Biomass and Potential Ethanol Yields of Annual and Perennial Biofuel Crops. <i>Agronomy Journal</i> , 2019 , 111, 74-83	2.2	14
99	A study of a fluorine substituted phenyl based complex as a 3 V electrolyte for Mg batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15488-15494	13	14
98	Effects of preheating treatment on thermal property and adhesion performance of soy protein isolates. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 1469-1481	2	14
97	Acid monolayer functionalized iron oxide nanoparticles as catalysts for carbohydrate hydrolysis. <i>Green Chemistry</i> , 2014 , 16, 836-843	10	13
96	Antioxidative Properties and Interconversion of tert-Butylhydroquinone and tert-Butylquinone in Soybean Oils. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 10598-10603	5.7	13
95	Oscillatory electroosmosis-enhanced intra/inter-particle liquid transport and its primary applications in the preparative electrochromatography of proteins. <i>Journal of Chromatography A</i> , 2001 , 921, 93-8	4.5	13

94	Hempseed as a nutritious and healthy human food or animal feed source: a review. <i>International Journal of Food Science and Technology</i> , 2021 , 56, 530-543	3.8	12
93	Template-free fabrication of rattle-type TiO ₂ hollow microspheres with superior photocatalytic performance. <i>RSC Advances</i> , 2014 , 4, 37311	3.7	11
92	Effects of Sodium Bisulfite on the Physicochemical and Adhesion Properties of Canola Protein Fractions. <i>Journal of Polymers and the Environment</i> , 2012 , 20, 905-915	4.5	11
91	Impact of Deficit Irrigation on Maize Physical and Chemical Properties and Ethanol Yield. <i>Cereal Chemistry</i> , 2013 , 90, 453-462	2.4	11
90	Ultrasonic Vibration-Assisted Pelleting of Biomass: A Designed Experimental Investigation on Pellet Quality and Sugar Yield 2010 ,		11
89	Rapid determination of total phenolic content of whole wheat flour using near-infrared spectroscopy and chemometrics. <i>Food Chemistry</i> , 2021 , 344, 128633	8.5	11
88	Polyanthraquinone/CNT nanocomposites as cathodes for rechargeable lithium ion batteries. <i>Materials Letters</i> , 2018 , 214, 107-110	3.3	11
87	Self-etching preparation of yolk-shell Ag@carbon nanostructures for highly effective reduction of 4-nitrophenol. <i>Catalysis Communications</i> , 2017 , 102, 114-117	3.2	10
86	A Si-MnOOH composite with superior lithium storage properties. <i>Chemical Communications</i> , 2015 , 51, 6164-7	5.8	10
85	Fluorescent Functionalized Mesoporous Silica for Radioactive Material Extraction. <i>Separation Science and Technology</i> , 2012 , 47, 1507-1513	2.5	10
84	Enhancing delignification and subsequent enzymatic hydrolysis of corn stover by magnesium oxide-ethanol pretreatment. <i>Bioresource Technology</i> , 2019 , 279, 124-131	11	9
83	The Effect of Gasification Conditions on the Surface Properties of Biochar Produced in a Top-Lit Updraft Gasifier. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 688	2.6	9
82	Raspberry-like monodispersity ZnO microspheres for photodegradation of rhodamine B. <i>Materials Research Bulletin</i> , 2018 , 99, 37-44	5.1	9
81	Ultrasonic vibration-assisted pelleting of cellulosic biomass for ethanol manufacturing: An investigation on pelleting temperature. <i>Renewable Energy</i> , 2016 , 86, 895-908	8.1	9
80	High Ethanol Concentration (77 g/L) of Industrial Hemp Biomass Achieved Through Optimizing the Relationship between Ethanol Yield/Concentration and Solid Loading. <i>ACS Omega</i> , 2020 , 5, 21913-21923	3.9	9
79	Boosting the fermentable sugar yield and concentration of corn stover by magnesium oxide pretreatment for ethanol production. <i>Bioresource Technology</i> , 2018 , 269, 400-407	11	9
78	Rapid Determination of Acetic Acid, Furfural, and 5-Hydroxymethylfurfural in Biomass Hydrolysates Using Near-Infrared Spectroscopy. <i>ACS Omega</i> , 2018 , 3, 5355-5361	3.9	9
77	Oxirane Cleavage Kinetics of Epoxidized Soybean Oil by Water and UV-Polymerized Resin Adhesion Properties. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2015 , 92, 121-131	1.8	8

76	A Comprehensive Investigation on the Effects of Biomass Particle Size in Cellulosic Biofuel Production. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018 , 140,	2.6	8
75	Optimization of Microwave Coupled Hot Air Drying for Chinese Yam Using Response Surface Methodology. <i>Processes</i> , 2019 , 7, 745	2.9	8
74	Glucan Yield from Enzymatic Hydrolysis of Big Bluestem as Affected by Ecotype and Planting Location Along the Precipitation Gradient of the Great Plains. <i>Bioenergy Research</i> , 2014 , 7, 799-810	3.1	7
73	Two Nonnegligible Factors Influencing Lignocellulosic Biomass Valorization: Filtration Method after Pretreatment and Solid Loading during Enzymatic Hydrolysis. <i>Energy & Fuels</i> , 2021 , 35, 1546-1556	4.1	7
72	High-Solids Bio-Conversion of Maize Starch to Sugars and Ethanol. <i>Starch/Staerke</i> , 2019 , 71, 1800142	2.3	7
71	Epoxidized and Acrylated Epoxidized Camelina Oils for Ultraviolet-Curable Wood Coatings. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2018 , 95, 1307-1318	1.8	7
70	Comparison of two pelleting methods for cellulosic ethanol manufacturing: ultrasonic vibration-assisted pelleting vs. ring-die pelleting. <i>Biomass Conversion and Biorefinery</i> , 2016 , 6, 13-23	2.3	6
69	A physics-based temperature model for ultrasonic vibration-assisted pelleting of cellulosic biomass. <i>Ultrasonics</i> , 2014 , 54, 2042-9	3.5	6
68	Evaluation of Nebraska Waxy Sorghum Hybrids for Ethanol Production. <i>Cereal Chemistry</i> , 2013 , 90, 198-203	2.3	6
67	Stable metal anodes enabled by a labile organic molecule bonded to a reduced graphene oxide aerogel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30135-30141	11.5	6
66	High-solids hydrolysis of corn stover to achieve high sugar yield and concentration through high xylan recovery from magnesium oxide-ethanol pretreatment. <i>Bioresource Technology</i> , 2019 , 280, 352-359	3.1	6
65	Technoeconomic Analysis of Multiple-Stream Ethanol and Lignin Production from Lignocellulosic Biomass: Insights into the Chemical Selection and Process Integration. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	6
64	Minimizing water consumption for sugar and lignin recovery via the integration of acid and alkali pretreated biomass and their mixed filtrate without post-washing. <i>Bioresource Technology</i> , 2021 , 337, 125389	11	6
63	Confining Sulfur in Porous Carbon by Vapor Deposition to Achieve High-Performance Cathode for All-Solid-State Lithium Sulfur Batteries. <i>ACS Energy Letters</i> , 2021 , 6, 413-418	20.1	6
62	Salt-Based Organic-Inorganic Nanocomposites: Towards A Stable Lithium Metal/Li ₁₀ GeP ₂ S ₁₂ Solid Electrolyte Interface. <i>Angewandte Chemie</i> , 2018 , 130, 13796-13800	3.6	5
61	Retrospective analysis for phase I statistical process control and process capability study using revised sample entropy. <i>Neural Computing and Applications</i> , 2019 , 31, 7415-7428	4.8	5
60	Ultrasonic Vibration Assisted Pelleting of Cellulosic Biomass: A Preliminary Experiment 2009 ,		5
59	Novel photoelectrochromic cells fabricated with wirelike photo-electrode. <i>Science Bulletin</i> , 2008 , 53, 3173-3177	10.6	5

58	Electric field-induced mesostructure transformation of self-assembled silica/copolymer nanocomposite thin films. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 4070	3.6	5
57	Hydrothermal synthesis of well-crystallized CuO hierarchical structures and their direct application in high performance lithium-ion battery electrodes without further calcination. <i>RSC Advances</i> , 2016 , 6, 96882-96888	3.7	5
56	Ultrasonic vibration-assisted (UV-A) pelleting of wheat straw: a constitutive model for pellet density. <i>Ultrasonics</i> , 2015 , 60, 117-25	3.5	4
55	Predicting the content of camelina protein using FT-IR spectroscopy coupled with SVM model. <i>Cluster Computing</i> , 2019 , 22, 8401-8406	2.1	4
54	Production and characterization of high strength, thin-layered, pulp fiberboard using soy protein adhesives. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2065-2074	2	4
53	Performance analysis of PV grid-connected power conditioning system with UPS 2009 ,		4
52	Online state estimation for a physics-based Lithium-Sulfur battery model. <i>Journal of Power Sources</i> , 2021 , 489, 229495	8.9	4
51	Overview of Sorghum Industrial Utilization. <i>Agronomy</i> , 2019 , 463-476	0.8	4
50	Effects of post-washing on pretreated biomass and hydrolysis of the mixture of acetic acid and sodium hydroxide pretreated biomass and their mixed filtrate. <i>Bioresource Technology</i> , 2021 , 339, 125605 ¹¹		4
49	Study on Mass Transfer Kinetics of Sugar Extraction from Sweet Sorghum Biomass via Diffusion Process and Ethanol Yield Using SSF. <i>Processes</i> , 2019 , 7, 137	2.9	3
48	Multifunctional Li(Ni _{0.5} Co _{0.2} Mn _{0.3}) O ₂ -Si batteries with self-actuation and self-sensing. <i>Journal of Intelligent Material Systems and Structures</i> , 2020 , 31, 860-868	2.3	3
47	A simple, rapid, one-step approach for preparation of Ag@TiO ₂ nanospheres with multiple cores as effective catalyst. <i>RSC Advances</i> , 2016 , 6, 99878-99884	3.7	3
46	One-Step Hydrothermal Synthesis of Small TiO ₂ Porous Nanoparticles for Efficient Degradation of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3185-3191	1.3	3
45	Boosting fermentable sugars by integrating magnesium oxide-treated corn stover and corn stover liquor without washing and detoxification. <i>Bioresource Technology</i> , 2019 , 288, 121586	11	3
44	Organosulfide-Based Deep Eutectic Electrolyte for Lithium Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 9969-9973	3.6	3
43	Whole Maize Flour and Isolated Maize Starch for Production of Citric Acid by <i>Aspergillus niger</i> : A Review. <i>Starch/Staerke</i> , 2000014	2.3	3
42	Effect of ultrasonic vibration-assisted pelleting of biomass on biochar properties. <i>Journal of Cleaner Production</i> , 2021 , 279, 123900	10.3	3
41	A robust solid electrolyte interphase layer coated on polyethylene separator surface induced by Ge interlayer for stable Li-metal batteries. <i>Electrochimica Acta</i> , 2021 , 370, 137703	6.7	3

40	Universal Peptide Hydrogel for Scalable Physiological Formation and Bioprinting of 3D Spheroids from Human Induced Pluripotent Stem Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2104046	15.6	3
39	A study on the association between biomass types and magnesium oxide pretreatment. <i>Bioresource Technology</i> , 2019 , 293, 122035	11	2
38	Direct synthesis of ordered mesoporous polymer/carbon nanofilaments with controlled mesostructures. <i>Journal of Porous Materials</i> , 2009 , 16, 315-319	2.4	2
37	Preliminary study on pretreatment of poplar wood for biofuel production. <i>Biofuels</i> , 2012 , 3, 525-533	2	2
36	Experimental and Technoeconomic Assessment of Monosaccharide and Furan Production under High Biomass Loading without Solid-Liquid Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1972-1982	8.3	2
35	Potential of Wheat Milling Byproducts to Produce Fermentable Sugars via Mild Ethanol-Alkaline Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3626-3632	8.3	2
34	Optimization of Processing Parameters to Increase Thermal Conductivity of Rice Straw Fiber Film. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4645	2.6	2
33	A self-healing Li ⁺ redox flow battery with alternative reaction pathways. <i>Journal of Materials Chemistry A</i> ,	13	2
32	Proteins in dried distillers grains with solubles: A review of animal feed value and potential non-food uses. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2021 , 98, 957	1.8	2
31	Duckweed (Lemnaceae) for potentially nutritious human food: A review. <i>Food Reviews International</i> , 2015 , 1-15	5.5	2
30	Growth of a Large-Area, Free-Standing, Highly Conductive and Fully Foldable Silver Film with Inverted Pyramids for Wearable Electronics Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5312-5318	9.5	1
29	Retraction notice to "High-solids hydrolysis of corn stover to achieve high sugar yield and concentration through high xylan recovery from magnesium oxide-ethanol pretreatment" [Bioresour. Technol. 280 (2019) 352-359]. <i>Bioresource Technology</i> , 2020 , 302, 122838	11	1
28	Effect of irrigation on physicochemical properties and bioethanol yield of drought tolerant and conventional corn. <i>Irrigation Science</i> , 2018 , 36, 75-85	3.1	1
27	Size Reduction of Cellulosic Biomass in Biofuel Manufacturing: A Study on Confounding Effects of Particle Size and Biomass Crystallinity. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2012 , 134,	3.3	1
26	In-Situ and Ex-situ TEM Imaging and Spectroscopy Study of Li-Ion Battery. <i>Microscopy and Microanalysis</i> , 2009 , 15, 726-727	0.5	1
25	Novel Conjugated Polymer/Silica Nanocomposites with Tunable Mesostructure Synthesized by a Robust Pd Catalyst. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 771		1
24	Nanostructured Systems from Low-Dimensional Building Blocks 2005 , 57-93		1
23	Parameter Identification and Sensitivity Analysis for Zero-Dimensional Physics-Based Lithium-Sulfur Battery Models. <i>ASME Letters in Dynamic Systems and Control</i> , 2021 , 1,		1

22	Experimental Study of Multifunctional NCM-Si Batteries With Self-Actuation 2018 ,		1
21	Self-Assembled Materials for Catalysis213-230		1
20	An integrated deep eutectic solvent-ionic liquid-metal catalyst system for lignin and 5-hydroxymethylfurfural production from lignocellulosic biomass: Technoeconomic analysis.. <i>Bioresource Technology</i> , 2022 , 127277	11	1
19	Effects of particle size on biomass pretreatment and hydrolysis performances in bioethanol conversion. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	0
18	Effect of pH and pH-Shifting on LigninProtein Interaction and Properties of Lignin-Protein Polymers. <i>Journal of Polymers and the Environment</i> ,1	4.5	0
17	Water-Soluble Sugars of Pedigreed Sorghum Mutant Stalks and Their Recovery after Pretreatment. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5472	2.6	0
16	Dual Protective Mechanism of AlPO ₄ Coating on High-Nickel Cathode Material for High Energy Density and Long Cycle Life Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 050523	3.9	0
15	Co-fermentation of magnesium oxide-treated corn stover and corn stover liquor for cellulosic ethanol production and techno-economic analysis. <i>Bioresource Technology</i> , 2019 , 294, 122143	11	
14	Optimization of technical parameters for making temperature-increasing film from titanium dioxide and rice straw fiber. <i>AIP Advances</i> , 2019 , 9, 025033	1.5	
13	Hidden Subsurface Reconstruction and Its Atomic Origins in Layered Oxide Cathodes. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2542-2544	0.5	
12	Retraction notice to "Boosting the fermentable sugar yield and concentration of corn stover by magnesium oxide pretreatment for ethanol production" [Bioresour. Technol. 269 (2018) 400-407]. <i>Bioresource Technology</i> , 2020 , 301, 122807	11	
11	Retraction notice to "Corn stover pretreatment by metal oxides for improving lignin removal and reducing sugar degradation and water usage" [Bioresour. Technol. 263 (2018) 232-241]. <i>Bioresource Technology</i> , 2020 , 299, 122663	11	
10	Retraction notice to "Enhancing delignification and subsequent enzymatic hydrolysis of corn stover by magnesium oxide-ethanol pretreatment" [Bioresour. Technol. 279 (2019) 124-131]. <i>Bioresource Technology</i> , 2020 , 302, 122839	11	
9	Retraction notice to "A study on the association between biomass types and magnesium oxide pretreatment" [Bioresour. Technol. 293 (2019) 122035]. <i>Bioresource Technology</i> , 2020 , 301, 122818	11	
8	SIZE REDUCTION OF POPLAR WOOD USING A LATHE FOR BIOFUEL MANUFACTURING: EFFECTS OF BIOMASS CRYSTALLINITY ON SUGAR YIELD. <i>Machining Science and Technology</i> , 2014 , 18, 1-14	2	
7	Hierarchical Porous Carbon Nanocomposites for Electrochemical Energy Storage 2014 , 407-442		
6	Micron to Sub-Micron Sized Highly Ordered Mesoporous Silica Particles Prepared Using a High Energy Ball Milling Process. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 3291		
5	Retraction notice to "Boosting fermentable sugars by integrating magnesium oxide-treated corn stover and corn stover liquor without washing and detoxification" [Bioresour. Technol. 288 (2019) 121586]. <i>Bioresource Technology</i> , 2020 , 301, 122819	11	

- 4 Palladium Nanowire Thin Films via Template Growth. *Materials Research Society Symposia Proceedings*, **2003**, 775, 471
- 3 Retraction notice to "Co-fermentation of magnesium oxide-treated corn stover and corn stover liquor for cellulosic ethanol production and techno-economic analysis" *Bioresource Technology* 294 (2019) 122143. *Bioresource Technology*, **2020**, 301, 122820 11
- 2 Ultrasonic Vibration-Assisted Pelleting of Cellulosic Biomass for Biofuel Production. *Biofuels and Biorefineries*, **2015**, 243-267 0.3
- 1 Characterization of Four Chinese Bread Wheat Varieties over Five Years. *ACS Food Science & Technology*, **2021**, 1, 770-777