

# Yuan Yang

## List of Publications by Year in descending order

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166  
papers

31,167  
citations

14655

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6654

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167  
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167  
docs citations

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times ranked

25760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive daytime radiative cooling: Fundamentals, material designs, and applications. <i>EcoMat</i> , 2022, 4, e12153.	11.9	56
2	Fe-Conjugated redox-active two-dimensional polymers as organic cathode materials. <i>Chemical Science</i> , 2022, 13, 3533-3538.	7.4	9
3	Modeling Isotope Separation in Electrochemical Lithium Deposition. <i>Journal of the Electrochemical Society</i> , 2022, 169, 032504.	2.9	6
4	Adaptive Stimulation Profiles Modulation for Foot Drop Correction Using Functional Electrical Stimulation: A Proof of Concept Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 59-68.	6.3	14
5	Nonlinear Modeling of Cortical Responses to Mechanical Wrist Perturbations Using the NARMAX Method. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 948-958.	4.2	15
6	Assessing Neural Connectivity and Associated Time Delays of Muscle Responses to Continuous Position Perturbations. <i>Annals of Biomedical Engineering</i> , 2021, 49, 432-440.	2.5	2
7	Slowly activating outward membrane currents generate input-output sub-harmonic cross frequency coupling in neurons. <i>Journal of Theoretical Biology</i> , 2021, 509, 110509.	1.7	3
8	Assessing the Usage of Indirect Motor Pathways Following a Hemiparetic Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1568-1572.	4.9	5
9	Scalable Aqueous Processing-Based Passive Daytime Radiative Cooling Coatings. <i>Advanced Functional Materials</i> , 2021, 31, 2010334.	14.9	74
10	Designing Mesoporous Photonic Structures for High-Performance Passive Daytime Radiative Cooling. <i>Nano Letters</i> , 2021, 21, 1412-1418.	9.1	106
11	High-performance organic pseudocapacitors via molecular contortion. <i>Nature Materials</i> , 2021, 20, 1136-1141.	27.5	103
12	Bismuth Oxychloride Nanowires for Photocatalytic Decomposition of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2021, 4, 3887-3892.	5.0	21
13	Bioinspired, Tree-Root-Like Interfacial Designs for Structural Batteries with Enhanced Mechanical Properties. <i>Advanced Energy Materials</i> , 2021, 11, 2100997.	19.5	27
14	Emerging applications of stimulated Raman scattering microscopy in materials science. <i>Matter</i> , 2021, 4, 1460-1483.	10.0	25
15	Sleep deprivation alters task-related changes in functional connectivity of the frontal cortex: A near-infrared spectroscopy study. <i>Brain and Behavior</i> , 2021, 11, e02135.	2.2	13
16	Chemical Heterogeneity in PAN/LLZTO Composite Electrolytes by Synchrotron Imaging. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110522.	2.9	3
17	Engineering interfacial adhesion for high-performance lithium metal anode. <i>Nano Energy</i> , 2020, 67, 104242.	16.0	34
18	Transport and Morphology of a Proton Exchange Membrane Based on a Doubly Functionalized Perfluorosulfonic Imide Side Chain Perfluorinated Polymer. <i>Chemistry of Materials</i> , 2020, 32, 38-59.	6.7	33

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19	Nacreâ€Inspired Composite Electrolytes for Loadâ€Bearing Solidâ€State Lithiumâ€Metal Batteries. <i>Advanced Materials</i> , 2020, 32, e1905517.	21.0	100
20	Mechanically-robust structural lithium-sulfur battery with high energy density. <i>Energy Storage Materials</i> , 2020, 33, 416-422.	18.0	28
21	Nanocable with thick active intermediate layer for stable and high-area-capacity sodium storage. <i>Nano Energy</i> , 2020, 78, 105265.	16.0	12
22	Insights into interfacial effect and local lithium-ion transport in polycrystalline cathodes of solid-state batteries. <i>Nature Communications</i> , 2020, 11, 5700.	12.8	122
23	Mitigating Interfacial Instability in Polymer Electrolyte-Based Solid-State Lithium Metal Batteries with 4 V Cathodes. <i>ACS Energy Letters</i> , 2020, 5, 3244-3253.	17.4	93
24	Paints as a Scalable and Effective Radiative Cooling Technology for Buildings. <i>Joule</i> , 2020, 4, 1350-1356.	24.0	257
25	Design and experiment of a sun-powered smart building envelope with automatic control. <i>Energy and Buildings</i> , 2020, 223, 110173.	6.7	19
26	Determining the Length Scale of Transport Impedances in Li-Ion Electrodes: $\text{Li}(\text{Ni}_{0.33}\text{Mn}_{0.33}\text{Co}_{0.33})\text{O}_2$ . <i>Journal of the Electrochemical Society</i> , 2020, 167, 100542.	2.9	11
27	Interfacial engineering for stabilizing polymer electrolytes with 4V cathodes in lithium metal batteries at elevated temperature. <i>Nano Energy</i> , 2020, 72, 104655.	16.0	68
28	Passive daytime radiative cooling: Principle, application, and economic analysis. <i>MRS Energy &amp; Sustainability</i> , 2020, 7, 1.	3.0	31
29	Single-atom Catalytic Materials for Lean-electrolyte Ultrastable Lithiumâ€Sulfur Batteries. <i>Nano Letters</i> , 2020, 20, 5522-5530.	9.1	111
30	$\text{FeO}/\text{TiO}_2$ Hetero-Nanostructures for High-Areal-Capacity Fluoride Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33803-33809.	8.0	12
31	Determining the Online Measurable Input Variables in Human Joint Moment Intelligent Prediction Based on the Hill Muscle Model. <i>Sensors</i> , 2020, 20, 1185.	3.8	12
32	Quantifying the Nonlinear Interaction in the Nervous System Based on Phase-Locked Amplitude Relationship. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2638-2645.	4.2	5
33	Colored and paintable bilayer coatings with high solar-infrared reflectance for efficient cooling. <i>Science Advances</i> , 2020, 6, eaaz5413.	10.3	148
34	Multi-scale stabilization of high-voltage $\text{LiCoO}_2$ enabled by nanoscale solid electrolyte coating. <i>Energy Storage Materials</i> , 2020, 29, 71-77.	18.0	49
35	Quantifying Altered Neural Connectivity of the Stretch Reflex in Chronic Hemiparetic Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1436-1441.	4.9	8
36	(Invited) Characterization and Design of Solid Polymer-Based High Voltage Lithium Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 248-248.	0.0	0

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37	Enhancing Electrode/Electrolyte Interfacial Stability in Solid State Lithium Batteries By Surface Coating. ECS Meeting Abstracts, 2020, MA2020-02, 1017-1017.	0.0	0
38	Visualization of Ion Transport and Electrode/Electrolyte Interaction in Electrolytes for Lithium Metal Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 729-729.	0.0	0
39	A Scalable Dealloying Technique To Create Thermally Stable Plasmonic Nickel Selective Solar Absorbers. ACS Applied Energy Materials, 2019, 2, 6551-6557.	5.1	30
40	Stabilizing Polyether Electrolyte with a 4 V Metal Oxide Cathode by Nanoscale Interfacial Coating. ACS Applied Materials & Interfaces, 2019, 11, 28774-28780.	8.0	33
41	Thermally stable, nano-porous and eco-friendly sodium alginate/attapulgit separator for lithium-ion batteries. Energy Storage Materials, 2019, 22, 48-56.	18.0	79
42	New Insights into Nail Penetration of Li-ion Batteries: Effects of Heterogeneous Contact Resistance. Batteries and Supercaps, 2019, 2, 874-881.	4.7	15
43	Porous Polymers with Switchable Optical Transmittance for Optical and Thermal Regulation. Joule, 2019, 3, 3088-3099.	24.0	175
44	LayerCode. ACM Transactions on Graphics, 2019, 38, 1-14.	7.2	33
45	Direct thermal charging cell for converting low-grade heat to electricity. Nature Communications, 2019, 10, 4151.	12.8	61
46	Designing Flexible Lithium-Ion Batteries by Structural Engineering. ACS Energy Letters, 2019, 4, 690-701.	17.4	175
47	Ultra-Thin Conductive Graphitic Carbon Nitride Assembly through van der Waals Epitaxy toward High-Energy-Density Flexible Supercapacitors. Nano Letters, 2019, 19, 4103-4111.	9.1	80
48	Nonflammable, Low-Cost, and Fluorine-Free Solvent for Liquid Electrolyte of Rechargeable Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 17333-17340.	8.0	25
49	A CoHCF system with enhanced energy conversion efficiency for low-grade heat harvesting. Journal of Materials Chemistry A, 2019, 7, 23862-23867.	10.3	29
50	Stabilizing Solid Electrolyte-Anode Interface in Li-Metal Batteries by Boron Nitride-Based Nanocomposite Coating. Joule, 2019, 3, 1510-1522.	24.0	235
51	Vertically-aligned nanostructures for electrochemical energy storage. Nano Research, 2019, 12, 2002-2017.	10.4	45
52	Rechargeable solid-state lithium metal batteries with vertically aligned ceramic nanoparticle/polymer composite electrolyte. Nano Energy, 2019, 60, 205-212.	16.0	259
53	Microporous Battery Electrodes from Molecular Cluster Precursors. ACS Applied Materials & Interfaces, 2019, 11, 11292-11297.	8.0	8
54	The impact of alkyl trimethyl ammonium side chains on perfluorinated ionic membranes for electrochemical applications. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 700-712.	2.1	9

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55	Intelligent Prediction of Human Lower Extremity Joint Moment: An Artificial Neural Network Approach. IEEE Access, 2019, 7, 29973-29980.	4.2	29
56	Full Dissolution of the Whole Lithium Sulfide Family ( $\text{Li}_2\text{S}_8$ ) to $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (L$ Chemie, 2019, 131, 5613-5617.	2.0	11
57	Full Dissolution of the Whole Lithium Sulfide Family ( $\text{Li}_2\text{S}_8$ ) to $\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5$ Chemie - International Edition, 2019, 58, 5557-5561.	13.8	93
58	Feature Selection of Input Variables for Intelligence Joint Moment Prediction Based on Binary Particle Swarm Optimization. IEEE Access, 2019, 7, 182289-182295.	4.2	8
59	Porous insulating matrix for lithium metal anode with long cycling stability and high power. Energy Storage Materials, 2019, 17, 31-37.	18.0	36
60	High-Energy-Density Foldable Battery Enabled by Zigzag-Like Design. Advanced Energy Materials, 2019, 9, 1802998.	19.5	53
61	Accordion-like stretchable Li-ion batteries with high energy density. Energy Storage Materials, 2019, 17, 136-142.	18.0	57
62	Degradation mechanisms of high capacity 18650 cells containing Si-graphite anode and nickel-rich NMC cathode. Electrochimica Acta, 2019, 297, 1109-1120.	5.2	105
63	Structured Polymers for High-Performance Passive Daytime Radiative Cooling. , 2019, , .		0
64	Bioinspired, Spine-Like, Flexible, Rechargeable Lithium-Ion Batteries with High Energy Density. Advanced Materials, 2018, 30, e1704947.	21.0	109
65	Rate-Limiting Step in Batteries with Metal Oxides as the Energy Materials. ACS Applied Materials & Interfaces, 2018, 10, 7162-7170.	8.0	12
66	Characterization of Water Self-Diffusion in Human Stratum Corneum. Journal of Pharmaceutical Sciences, 2018, 107, 1131-1142.	3.3	8
67	Visualizing ion diffusion in battery systems by fluorescence microscopy: A case study on the dissolution of $\text{LiMn}_2\text{O}_4$ . Nano Energy, 2018, 45, 68-74.	16.0	25
68	Heteropoly acid functionalized fluoroelastomer with outstanding chemical durability and performance for vehicular fuel cells. Energy and Environmental Science, 2018, 11, 1499-1509.	30.8	56
69	Unveiling neural coupling within the sensorimotor system: directionality and nonlinearity. European Journal of Neuroscience, 2018, 48, 2407-2415.	2.6	56
70	Hierarchically porous polymer coatings for highly efficient passive daytime radiative cooling. Science, 2018, 362, 315-319.	12.6	1,120
71	PVDF/Palygorskite Nanowire Composite Electrolyte for 4 V Rechargeable Lithium Batteries with High Energy Density. Nano Letters, 2018, 18, 6113-6120.	9.1	227
72	Solvation Dynamics of HEHEHP Ligand at the Liquid-Liquid Interface. Journal of Physical Chemistry B, 2018, 122, 5999-6006.	2.6	12

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73	A Biologically Inspired Approach to Frequency Domain Feature Extraction for EEG Classification. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-10.	1.3	17
74	Operando and three-dimensional visualization of anion depletion and lithium growth by stimulated Raman scattering microscopy. Nature Communications, 2018, 9, 2942.	12.8	138
75	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> : A Visible-to-Infrared Broadband Electrochromic Material for Optical and Thermal Management. Advanced Functional Materials, 2018, 28, 1802180.	14.9	123
76	Nanostructured fibers as a versatile photonic platform: radiative cooling and waveguiding through transverse Anderson localization. Light: Science and Applications, 2018, 7, 37.	16.6	60
77	Designing Three-Dimensional Architectures for High-Performance Electron Accepting Pseudocapacitors. Journal of the American Chemical Society, 2018, 140, 10960-10964.	13.7	78
78	Understanding Anion, Water, and Methanol Transport in a Polyethylene- <i>b</i> -poly(vinylbenzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 of Physical Chemistry C, 2017, 121, 2035-2045.	3.1	22
79	Nanoporous Hybrid Electrolytes for High-Energy Batteries Based on Reactive Metal Anodes. Advanced Energy Materials, 2017, 7, 1602367.	19.5	122
80	A Flexible Solid Composite Electrolyte with Vertically Aligned and Connected Ion-Conducting Nanoparticles for Lithium Batteries. Nano Letters, 2017, 17, 3182-3187.	9.1	403
81	12-Silicotungstic Acid Doped Phosphoric Acid Imbided Polybenzimidazole for Enhanced Protonic Conductivity for High Temperature Fuel Cell Applications. Journal of the Electrochemical Society, 2017, 164, F504-F513.	2.9	20
82	Selective Solar Absorbers: Scalable, Dipole-Dry-Fabrication of a Wide-Angle Plasmonic Selective Absorber for High-Efficiency Solar-Thermal Energy Conversion (Adv. Mater. 41/2017). Advanced Materials, 2017, 29, .	21.0	2
83	Scalable, Dipole-Dry-Fabrication of a Wide-Angle Plasmonic Selective Absorber for High-Efficiency Solar-Thermal Energy Conversion. Advanced Materials, 2017, 29, 1702156.	21.0	119
84	The structure of tributyl phosphate solutions: Nitric acid, uranium (VI), and zirconium (IV). Journal of Molecular Liquids, 2017, 246, 225-235.	4.9	26
85	Thermally Regenerative Electrochemical Cycle for Low-Grade Heat Harvesting. ACS Energy Letters, 2017, 2, 2326-2334.	17.4	106
86	Subject-specific time-frequency selection for multi-class motor imagery-based BCIs using few Laplacian EEG channels. Biomedical Signal Processing and Control, 2017, 38, 302-311.	5.7	57
87	Molecular Materials for Nonaqueous Flow Batteries with a High Coulombic Efficiency and Stable Cycling. Nano Letters, 2017, 17, 7859-7863.	9.1	57
88	Advances in Neural Engineering for Rehabilitation. Behavioural Neurology, 2017, 2017, 1-2.	2.1	1
89	A Generalized Coherence Framework for Detecting and Characterizing Nonlinear Interactions in the Nervous System. IEEE Transactions on Biomedical Engineering, 2016, 63, 2629-2637.	4.2	34
90	Novel Processing of a Poly(phenyleneoxide) ~b~ Poly(vinylbenzyltrimethylammonium) Copolymer Anion Exchange Membrane; The Effect On Mechanical And Transport Properties. Electrochimica Acta, 2016, 222, 1545-1554.	5.2	2

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91	Tributyl Phosphate Aggregation in the Presence of Metals: An Assessment Using Diffusion NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12184-12192.	2.6	17
92	Thermally conductive separator with hierarchical nano/microstructures for improving thermal management of batteries. <i>Nano Energy</i> , 2016, 22, 301-309.	16.0	73
93	Characterization of Water and a Model Lipophilic Compound in Human Stratum Corneum by NMR Spectroscopy and Equilibrium Sorption. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3376-3386.	3.3	4
94	Ambient-Air Stable Lithiated Anode for Rechargeable Li-Ion Batteries with High Energy Density. <i>Nano Letters</i> , 2016, 16, 7235-7240.	9.1	84
95	Sea urchin-like NiCoO <sub>2</sub> @C nanocomposites for Li-ion batteries and supercapacitors. <i>Nano Energy</i> , 2016, 27, 457-465.	16.0	127
96	A Highly Hydroxide Conductive, Chemically Stable Anion Exchange Membrane, Poly(2,6 dimethyl 1,4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of the Electrochemical Society, 2016, 163, H513-H520.	2.9	55
97	Subject-Specific Channel Selection Using Time Information for Motor Imagery Brain-Computer Interfaces. <i>Cognitive Computation</i> , 2016, 8, 505-518.	5.2	37
98	Surface Modification of Gd Nanoparticles with pH-Responsive Block Copolymers for Use As Smart MRI Contrast Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5040-5050.	8.0	38
99	Anion exchange membranes composed of a poly(2,6-dimethyl-1,4-phenylene oxide) random copolymer functionalized with a bulky phosphonium cation. <i>Journal of Membrane Science</i> , 2016, 506, 50-59.	8.2	67
100	A General Approach for Quantifying Nonlinear Connectivity in the Nervous System Based on Phase Coupling. <i>International Journal of Neural Systems</i> , 2016, 26, 1550031.	5.2	49
101	Probing the Nonlinearity in Neural Systems Using Cross-frequency Coherence Framework. <i>IFAC-PapersOnLine</i> , 2015, 48, 1386-1390.	0.9	6
102	Thermodynamically Favorable Conversion of Hydrogen Sulfide into Valuable Products through Reaction with Sodium Naphthalenide. <i>ChemPlusChem</i> , 2015, 80, 1508-1512.	2.8	7
103	Dynamic Functional Brain Connectivity for Face Perception. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 662.	2.0	16
104	Slurryless Li <sub>2</sub> S/Reduced Graphene Oxide Cathode Paper for High-Performance Lithium Sulfur Battery. <i>Nano Letters</i> , 2015, 15, 1796-1802.	9.1	252
105	Thermal Charging Phenomenon in Electrical Double Layer Capacitors. <i>Nano Letters</i> , 2015, 15, 5784-5790.	9.1	67
106	Interplay between water uptake, ion interactions, and conductivity in an e-beam grafted poly(ethylene-co-tetrafluoroethylene) anion exchange membrane. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4367-4378.	2.8	83
107	Random and Block Sulfonated Polyaramides as Advanced Proton Exchange Membranes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24724-24732.	3.1	8
108	Predicting Object Size from Hand Kinematics: A Temporal Perspective. <i>PLoS ONE</i> , 2015, 10, e0120432.	2.5	43



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109	Lithium Silicide Nanocrystals: Synthesis, Chemical Stability, Thermal Stability, and Carbon Encapsulation. <i>Inorganic Chemistry</i> , 2014, 53, 11289-11297.	4.0	29
110	Time-frequency optimization for discrimination between imagination of right and left hand movements based on two bipolar electroencephalography channels. <i>Eurasip Journal on Advances in Signal Processing</i> , 2014, 2014, .	1.7	16
111	An electrochemical system for efficiently harvesting low-grade heat energy. <i>Nature Communications</i> , 2014, 5, 3942.	12.8	324
112	Charging-free electrochemical system for harvesting low-grade thermal energy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17011-17016.	7.1	206
113	Membrane-Free Battery for Harvesting Low-Grade Thermal Energy. <i>Nano Letters</i> , 2014, 14, 6578-6583.	9.1	149
114	Fast Proton Conduction Facilitated by Minimum Water in a Series of Divinylsilyl-11-silicotungstic Acid- <i>co</i> -Butyl Acrylate- <i>co</i> -Hexanediol Diacrylate Polymers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 135-144.	3.1	22
115	Chloride Enhances Fluoride Mobility in Anion Exchange Membrane/Polycationic Systems. <i>Journal of Physical Chemistry C</i> , 2014, 118, 845-853.	3.1	24
116	Insights into the Transport of Aqueous Quaternary Ammonium Cations: A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1363-1372.	2.6	22
117	A Combined Theoretical and Experimental Investigation of the Transport Properties of Water in a Perfluorosulfonic Acid Proton Exchange Membrane Doped with the Heteropoly Acids, H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> or H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> . <i>Journal of Physical Chemistry C</i> , 2014, 118, 854-863.	3.1	26
118	Anion Transport in a Chemically Stable, Sterically Bulky $\beta$ -C Modified Imidazolium Functionalized Anion Exchange Membrane. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15136-15145.	3.1	69
119	Imaging state of charge and its correlation to interaction variation in an LiMn <sub>0.75</sub> Fe <sub>0.25</sub> PO <sub>4</sub> nanorods-graphene hybrid. <i>Chemical Communications</i> , 2013, 49, 1765.	4.1	31
120	Phosphene Object Perception Employs Holistic Processing During Early Visual Processing Stage. <i>Artificial Organs</i> , 2013, 37, 401-408.	1.9	3
121	High-performance hollow sulfur nanostructured battery cathode through a scalable, room temperature, one-step, bottom-up approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7148-7153.	7.1	359
122	Subject-specific channel selection for classification of motor imagery electroencephalographic data. , 2013, , .		19
123	Sulphur-TiO <sub>2</sub> yolk-shell nanoarchitecture with internal void space for long-cycle lithium-sulphur batteries. <i>Nature Communications</i> , 2013, 4, 1331.	12.8	1,884
124	Preparation and characterization of an alkaline anion exchange membrane from chlorinated poly(propylene) aminated with branched poly(ethyleneimine). <i>Electrochimica Acta</i> , 2013, 110, 260-266.	5.2	19
125	Amphiphilic Surface Modification of Hollow Carbon Nanofibers for Improved Cycle Life of Lithium Sulfur Batteries. <i>Nano Letters</i> , 2013, 13, 1265-1270.	9.1	668
126	A membrane-free lithium/polysulfide semi-liquid battery for large-scale energy storage. <i>Energy and Environmental Science</i> , 2013, 6, 1552.	30.8	359



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127	Nanostructured sulfur cathodes. <i>Chemical Society Reviews</i> , 2013, 42, 3018.	38.1	1,778
128	Correlation of chemical and physical properties of an Alaska heavy oil from the Ugnu formation. <i>Fuel</i> , 2013, 103, 843-849.	6.4	20
129	Understanding anion transport in an aminated trimethyl polyphenylene with high anionic conductivity. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1743-1750.	2.1	34
130	Synthesis and characterization of perfluoro quaternary ammonium anion exchange membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1761-1769.	2.1	27
131	Identifying and managing radiation damage during in situ transmission x-ray microscopy of Li-ion batteries. <i>Proceedings of SPIE</i> , 2013, , .	0.8	28
132	Data Ranking and Clustering via Normalized Graph Cut Based on Asymmetric Affinity. <i>Lecture Notes in Computer Science</i> , 2013, , 562-571.	1.3	1
133	Time-frequency selection in two bipolar channels for improving the classification of motor imagery EEG. , 2012, 2012, 2744-7.		9
134	High-Capacity Micrometer-Sized Li <sub>2</sub> S Particles as Cathode Materials for Advanced Rechargeable Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2012, 134, 15387-15394.	13.7	624
135	Stable cycling of double-walled silicon nanotube battery anodes through solidâ€œelectrolyte interphase control. <i>Nature Nanotechnology</i> , 2012, 7, 310-315.	31.5	2,144
136	A Hybrid Organic/Inorganic Ionomer from the Copolymerization of Vinylphosphonic Acid and Zirconium Vinylphosphonate. <i>Macromolecules</i> , 2012, 45, 3874-3882.	4.8	22
137	Oxide Nanostructures for Energy Storage. <i>Springer Series in Materials Science</i> , 2012, , 269-302.	0.6	4
138	Engineering Empty Space between Si Nanoparticles for Lithium-Ion Battery Anodes. <i>Nano Letters</i> , 2012, 12, 904-909.	9.1	658
139	In Operando X-ray Diffraction and Transmission X-ray Microscopy of Lithium Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2012, 134, 6337-6343.	13.7	475
140	Passivation Coating on Electrospun Copper Nanofibers for Stable Transparent Electrodes. <i>ACS Nano</i> , 2012, 6, 5150-5156.	14.6	176
141	Rechargeable Liâ€œO <sub>2</sub> batteries with a covalently coupled MnCo <sub>2</sub> O <sub>4</sub> â€œgraphene hybrid as an oxygen cathode catalyst. <i>Energy and Environmental Science</i> , 2012, 5, 7931.	30.8	393
142	Nano-structured textiles as high-performance aqueous cathodes for microbial fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1293.	30.8	72
143	Symmetrical MnO <sub>2</sub> â€œCarbon Nanotubeâ€œTextile Nanostructures for Wearable Pseudocapacitors with High Mass Loading. <i>ACS Nano</i> , 2011, 5, 8904-8913.	14.6	582
144	Graphene-Wrapped Sulfur Particles as a Rechargeable Lithiumâ€œSulfur Battery Cathode Material with High Capacity and Cycling Stability. <i>Nano Letters</i> , 2011, 11, 2644-2647.	9.1	1,973

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145	Improving the Performance of Lithium-Sulfur Batteries by Conductive Polymer Coating. ACS Nano, 2011, 5, 9187-9193.	14.6	815
146	Compressional Behavior of Bulk and Nanorod $\text{LiMn}_2\text{O}_4$ under Nonhydrostatic Stress. Journal of Physical Chemistry C, 2011, 115, 9844-9849.	3.1	48
147	Enhancing the Supercapacitor Performance of Graphene/ $\text{MnO}_2$ Nanostructured Electrodes by Conductive Wrapping. Nano Letters, 2011, 11, 4438-4442.	9.1	1,062
148	Hollow Carbon Nanofiber-Encapsulated Sulfur Cathodes for High Specific Capacity Rechargeable Lithium Batteries. Nano Letters, 2011, 11, 4462-4467.	9.1	1,194
149	$\text{LiMn}_2\text{FePO}_4$ Nanorods Grown on Graphene Sheets for Ultrahigh-Rate Performance Lithium Ion Batteries. Angewandte Chemie - International Edition, 2011, 50, 7364-7368.	13.8	262
150	Transparent lithium-ion batteries. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13013-13018.	7.1	234
151	Object Recognition Under Distorted Prosthetic Vision. Artificial Organs, 2010, 34, 846-856.	1.9	11
152	The phase analysis of ongoing EEG oscillations under face/object perception. , 2010, , .		4
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