

# Yuan Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3789998/publications.pdf>

Version: 2024-02-01

166  
papers

31,167  
citations

14655

66  
h-index

6654

156  
g-index

167  
all docs

167  
docs citations

167  
times ranked

25760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable cycling of double-walled silicon nanotube battery anodes through solidâ€“electrolyte interphase control. <i>Nature Nanotechnology</i> , 2012, 7, 310-315.	31.5	2,144
2	Graphene-Wrapped Sulfur Particles as a Rechargeable Lithiumâ€“Sulfur Battery Cathode Material with High Capacity and Cycling Stability. <i>Nano Letters</i> , 2011, 11, 2644-2647.	9.1	1,973
3	Sulphurâ€“TiO <sub>2</sub> yolkâ€“shell nanoarchitecture with internal void space for long-cycle lithiumâ€“sulphur batteries. <i>Nature Communications</i> , 2013, 4, 1331.	12.8	1,884
4	Mn <sub>3</sub> O <sub>4</sub> â€“Graphene Hybrid as a High-Capacity Anode Material for Lithium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2010, 132, 13978-13980.	13.7	1,849
5	Nanostructured sulfur cathodes. <i>Chemical Society Reviews</i> , 2013, 42, 3018.	38.1	1,778
6	Hollow Carbon Nanofiber-Encapsulated Sulfur Cathodes for High Specific Capacity Rechargeable Lithium Batteries. <i>Nano Letters</i> , 2011, 11, 4462-4467.	9.1	1,194
7	Highly conductive paper for energy-storage devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21490-21494.	7.1	1,138
8	Hierarchically porous polymer coatings for highly efficient passive daytime radiative cooling. <i>Science</i> , 2018, 362, 315-319.	12.6	1,120
9	Enhancing the Supercapacitor Performance of Graphene/MnO <sub>2</sub> Nanostructured Electrodes by Conductive Wrapping. <i>Nano Letters</i> , 2011, 11, 4438-4442.	9.1	1,062
10	Carbonâ€“Silicon Coreâ€“Shell Nanowires as High Capacity Electrode for Lithium Ion Batteries. <i>Nano Letters</i> , 2009, 9, 3370-3374.	9.1	967
11	Improving the Performance of Lithiumâ€“Sulfur Batteries by Conductive Polymer Coating. <i>ACS Nano</i> , 2011, 5, 9187-9193.	14.6	815
12	Thin, Flexible Secondary Li-Ion Paper Batteries. <i>ACS Nano</i> , 2010, 4, 5843-5848.	14.6	785
13	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
14	Electrospun Metal Nanofiber Webs as High-Performance Transparent Electrode. <i>Nano Letters</i> , 2010, 10, 4242-4248.	9.1	660
15	Engineering Empty Space between Si Nanoparticles for Lithium-Ion Battery Anodes. <i>Nano Letters</i> , 2012, 12, 904-909.	9.1	658
16	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
17	New Nanostructured Li <sub>2</sub> S/Silicon Rechargeable Battery with High Specific Energy. <i>Nano Letters</i> , 2010, 10, 1486-1491.	9.1	612
18	Symmetrical MnO <sub>2</sub> â€“Carbon Nanotubeâ€“Textile Nanostructures for Wearable Pseudocapacitors with High Mass Loading. <i>ACS Nano</i> , 2011, 5, 8904-8913.	14.6	582

#	ARTICLE	IF	CITATIONS
19	Spinel $\text{LiMn}_2\text{O}_4$ Nanorods as Lithium Ion Battery Cathodes. <i>Nano Letters</i> , 2008, 8, 3948-3952.	9.1	579
20	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
21	A Flexible Solid Composite Electrolyte with Vertically Aligned and Connected Ion-Conducting Nanoparticles for Lithium Batteries. <i>Nano Letters</i> , 2017, 17, 3182-3187.	9.1	403
22	Rechargeable $\text{O}_2$ batteries with a covalently coupled $\text{MnCo}_2\text{O}_4$ graphene hybrid as an oxygen cathode catalyst. <i>Energy and Environmental Science</i> , 2012, 5, 7931.	30.8	393
23	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
24	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
25	An electrochemical system for efficiently harvesting low-grade heat energy. <i>Nature Communications</i> , 2014, 5, 3942.	12.8	324
26	$\text{LiMnFePO}_4$ Nanorods Grown on Graphene Sheets for Ultrahigh-Rate Performance Lithium Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7364-7368.	13.8	262
27	Rechargeable solid-state lithium metal batteries with vertically aligned ceramic nanoparticle/polymer composite electrolyte. <i>Nano Energy</i> , 2019, 60, 205-212.	16.0	259
28	Paints as a Scalable and Effective Radiative Cooling Technology for Buildings. <i>Joule</i> , 2020, 4, 1350-1356.	24.0	257
29	Slurryless $\text{Li}_2\text{S}$ /Reduced Graphene Oxide Cathode Paper for High-Performance Lithium Sulfur Battery. <i>Nano Letters</i> , 2015, 15, 1796-1802.	9.1	252
30	Stabilizing Solid Electrolyte-Anode Interface in Li-Metal Batteries by Boron Nitride-Based Nanocomposite Coating. <i>Joule</i> , 2019, 3, 1510-1522.	24.0	235
31	Transparent lithium-ion batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13013-13018.	7.1	234
32	PVDF/Palygorskite Nanowire Composite Electrolyte for 4 V Rechargeable Lithium Batteries with High Energy Density. <i>Nano Letters</i> , 2018, 18, 6113-6120.	9.1	227
33	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
34	Passivation Coating on Electrospun Copper Nanofibers for Stable Transparent Electrodes. <i>ACS Nano</i> , 2012, 6, 5150-5156.	14.6	176
35	Porous Polymers with Switchable Optical Transmittance for Optical and Thermal Regulation. <i>Joule</i> , 2019, 3, 3088-3099.	24.0	175
36	Designing Flexible Lithium-Ion Batteries by Structural Engineering. <i>ACS Energy Letters</i> , 2019, 4, 690-701.	17.4	175

#	ARTICLE	IF	CITATIONS
37	Membrane-Free Battery for Harvesting Low-Grade Thermal Energy. Nano Letters, 2014, 14, 6578-6583.	9.1	149
38	Colored and paintable bilayer coatings with high solar-infrared reflectance for efficient cooling. Science Advances, 2020, 6, eaaz5413.	10.3	148
39	Operando and three-dimensional visualization of anion depletion and lithium growth by stimulated Raman scattering microscopy. Nature Communications, 2018, 9, 2942.	12.8	138
40	Sea urchin-like NiCoO <sub>2</sub> @C nanocomposites for Li-ion batteries and supercapacitors. Nano Energy, 2016, 27, 457-465.	16.0	127
41	Carbon nanofiber supercapacitors with large areal capacitances. Applied Physics Letters, 2009, 95, .	3.3	123
42	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
43	Nanoporous Hybrid Electrolytes for High-Energy Batteries Based on Reactive Metal Anodes. Advanced Energy Materials, 2017, 7, 1602367.	19.5	122
44	Insights into interfacial effect and local lithium-ion transport in polycrystalline cathodes of solid-state batteries. Nature Communications, 2020, 11, 5700.	12.8	122
45	Scalable, Dip-and-Dry Fabrication of a Wide-Angle Plasmonic Selective Absorber for High-Efficiency Solar Thermal Energy Conversion. Advanced Materials, 2017, 29, 1702156.	21.0	119
46	Single Nanorod Devices for Battery Diagnostics: A Case Study on LiMn <sub>2</sub> O <sub>4</sub> . Nano Letters, 2009, 9, 4109-4114.	9.1	114
47	Single-atom Catalytic Materials for Lean-electrolyte Ultrastable Lithium-Sulfur Batteries. Nano Letters, 2020, 20, 5522-5530.	9.1	111
48	Bioinspired, Spine-Like, Flexible, Rechargeable Lithium-Ion Batteries with High Energy Density. Advanced Materials, 2018, 30, e1704947.	21.0	109
49	Thermally Regenerative Electrochemical Cycle for Low-Grade Heat Harvesting. ACS Energy Letters, 2017, 2, 2326-2334.	17.4	106
50	Designing Mesoporous Photonic Structures for High-Performance Passive Daytime Radiative Cooling. Nano Letters, 2021, 21, 1412-1418.	9.1	106
51	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
52	High-performance organic pseudocapacitors via molecular contortion. Nature Materials, 2021, 20, 1136-1141.	27.5	103
53	Nacre-Inspired Composite Electrolytes for Load-Bearing Solid-State Lithium-Metal Batteries. Advanced Materials, 2020, 32, e1905517.	21.0	100
54	Full Dissolution of the Whole Lithium Sulfide Family (Li <sub>2</sub> S <sub>8</sub> to Li <sub>2</sub> S) in Organic Electrolytes. Chemistry - International Edition, 2019, 58, 5557-5561.	13.8	93

#	ARTICLE	IF	CITATIONS
55	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
56	[0001] Oriented Aluminum Nitride One-Dimensional Nanostructures: Synthesis, Structure Evolution, and Electrical Properties. <i>ACS Nano</i> , 2008, 2, 134-142.	14.6	86
57	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
58	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
59	Ultra-Thin Conductive Graphitic Carbon Nitride Assembly through van der Waals Epitaxy toward High-Energy-Density Flexible Supercapacitors. <i>Nano Letters</i> , 2019, 19, 4103-4111.	9.1	80
60	Thermally stable, nano-porous and eco-friendly sodium alginate/attapulgitite separator for lithium-ion batteries. <i>Energy Storage Materials</i> , 2019, 22, 48-56.	18.0	79
61	Designing Three-Dimensional Architectures for High-Performance Electron Accepting Pseudocapacitors. <i>Journal of the American Chemical Society</i> , 2018, 140, 10960-10964.	13.7	78
62	Scalable Aqueous Processing $\alpha$ -Based Passive Daytime Radiative Cooling Coatings. <i>Advanced Functional Materials</i> , 2021, 31, 2010334.	14.9	74
63	Thermally conductive separator with hierarchical nano/microstructures for improving thermal management of batteries. <i>Nano Energy</i> , 2016, 22, 301-309.	16.0	73
64	Nano-structured textiles as high-performance aqueous cathodes for microbial fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1293.	30.8	72
65	Anion Transport in a Chemically Stable, Sterically Bulky $\hat{I}\pm$ -C Modified Imidazolium Functionalized Anion Exchange Membrane. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15136-15145.	3.1	69
66	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
67	$\alpha$ -Thermal Charging $\alpha$ -Phenomenon in Electrical Double Layer Capacitors. <i>Nano Letters</i> , 2015, 15, 5784-5790.	9.1	67
68	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
69	Direct thermal charging cell for converting low-grade heat to electricity. <i>Nature Communications</i> , 2019, 10, 4151.	12.8	61
70	Nanostructured fibers as a versatile photonic platform: radiative cooling and waveguiding through transverse Anderson localization. <i>Light: Science and Applications</i> , 2018, 7, 37.	16.6	60
71	Subject-specific time-frequency selection for multi-class motor imagery-based BCIs using few Laplacian EEG channels. <i>Biomedical Signal Processing and Control</i> , 2017, 38, 302-311.	5.7	57
72	Molecular Materials for Nonaqueous Flow Batteries with a High Coulombic Efficiency and Stable Cycling. <i>Nano Letters</i> , 2017, 17, 7859-7863.	9.1	57

#	ARTICLE	IF	CITATIONS
73	Accordion-like stretchable Li-ion batteries with high energy density. <i>Energy Storage Materials</i> , 2019, 17, 136-142.	18.0	57
74	Heteropoly acid functionalized fluoroelastomer with outstanding chemical durability and performance for vehicular fuel cells. <i>Energy and Environmental Science</i> , 2018, 11, 1499-1509.	30.8	56
75	Unveiling neural coupling within the sensorimotor system: directionality and nonlinearity. <i>European Journal of Neuroscience</i> , 2018, 48, 2407-2415.	2.6	56
76	Passive daytime radiative cooling: Fundamentals, material designs, and applications. <i>EcoMat</i> , 2022, 4, e12153.	11.9	56
77	A Highly Hydroxide Conductive, Chemically Stable Anion Exchange Membrane, Poly(2,6 dimethyl 1,4) Tj ETQq1 1 0.784314 rgBT /Ove Journal of the Electrochemical Society, 2016, 163, H513-H520.	2.9	55
78	High Energy Density Foldable Battery Enabled by Zigzag Like Design. <i>Advanced Energy Materials</i> , 2019, 9, 1802998.	19.5	53
79	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
80	Multi-scale stabilization of high-voltage LiCoO <sub>2</sub> enabled by nanoscale solid electrolyte coating. <i>Energy Storage Materials</i> , 2020, 29, 71-77.	18.0	49
81	Compressional Behavior of Bulk and Nanorod LiMn <sub>2</sub> O <sub>4</sub> under Nonhydrostatic Stress. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9844-9849.	3.1	48
82	Vertically-aligned nanostructures for electrochemical energy storage. <i>Nano Research</i> , 2019, 12, 2002-2017.	10.4	45
83	Predicting Object Size from Hand Kinematics: A Temporal Perspective. <i>PLoS ONE</i> , 2015, 10, e0120432.	2.5	43
84	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
85	Subject-Specific Channel Selection Using Time Information for Motor Imagery Brain-Computer Interfaces. <i>Cognitive Computation</i> , 2016, 8, 505-518.	5.2	37
86	Porous insulating matrix for lithium metal anode with long cycling stability and high power. <i>Energy Storage Materials</i> , 2019, 17, 31-37.	18.0	36
87	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
88	A Generalized Coherence Framework for Detecting and Characterizing Nonlinear Interactions in the Nervous System. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2629-2637.	4.2	34
89	Engineering interfacial adhesion for high-performance lithium metal anode. <i>Nano Energy</i> , 2020, 67, 104242.	16.0	34
90	Stabilizing Polyether Electrolyte with a 4 V Metal Oxide Cathode by Nanoscale Interfacial Coating. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28774-28780.	8.0	33

#	ARTICLE	IF	CITATIONS
91	LayerCode. ACM Transactions on Graphics, 2019, 38, 1-14.	7.2	33
92	Transport and Morphology of a Proton Exchange Membrane Based on a Doubly Functionalized Perfluorosulfonic Imide Side Chain Perfluorinated Polymer. Chemistry of Materials, 2020, 32, 38-59.	6.7	33
93	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. Chemical Communications, 2013, 49, 1765.	4.1	31
94	Passive daytime radiative cooling: Principle, application, and economic analysis. MRS Energy & Sustainability, 2020, 7, 1.	3.0	31
95	A Scalable Dealloying Technique To Create Thermally Stable Plasmonic Nickel Selective Solar Absorbers. ACS Applied Energy Materials, 2019, 2, 6551-6557.	5.1	30
96	Lithium Silicide Nanocrystals: Synthesis, Chemical Stability, Thermal Stability, and Carbon Encapsulation. Inorganic Chemistry, 2014, 53, 11289-11297.	4.0	29
97	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
98	Intelligent Prediction of Human Lower Extremity Joint Moment: An Artificial Neural Network Approach. IEEE Access, 2019, 7, 29973-29980.	4.2	29
99	Identifying and managing radiation damage during in situ transmission x-ray microscopy of Li-ion batteries. Proceedings of SPIE, 2013, , .	0.8	28
100	Mechanically-robust structural lithium-sulfur battery with high energy density. Energy Storage Materials, 2020, 33, 416-422.	18.0	28
101	Synthesis and characterization of perfluoro quaternary ammonium anion exchange membranes. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1761-1769.	2.1	27
102	Bioinspired, Tree-Root-Like Interfacial Designs for Structural Batteries with Enhanced Mechanical Properties. Advanced Energy Materials, 2021, 11, 2100997.	19.5	27
103	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> . Journal of Physical Chemistry C, 2014, 118, 854-863.	3.1	26
104	The structure of tributyl phosphate solutions: Nitric acid, uranium (VI), and zirconium (IV). Journal of Molecular Liquids, 2017, 246, 225-235.	4.9	26
105	Visualizing ion diffusion in battery systems by fluorescence microscopy: A case study on the dissolution of LiMn <sub>2</sub> O <sub>4</sub> . Nano Energy, 2018, 45, 68-74.	16.0	25
106	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
107	Emerging applications of stimulated Raman scattering microscopy in materials science. Matter, 2021, 4, 1460-1483.	10.0	25
108	Chloride Enhances Fluoride Mobility in Anion Exchange Membrane/Polycationic Systems. Journal of Physical Chemistry C, 2014, 118, 845-853.	3.1	24



#	ARTICLE	IF	CITATIONS
109	A Hybrid Organic/Inorganic Ionomer from the Copolymerization of Vinylphosphonic Acid and Zirconium Vinylphosphonate. <i>Macromolecules</i> , 2012, 45, 3874-3882.	4.8	22
110	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
111	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
112	Understanding Anion, Water, and Methanol Transport in a Polyethylene- <i>co</i> -poly(vinylbenzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 of <i>Physical Chemistry C</i> , 2017, 121, 2035-2045.	3.1	22
113	Bismuth Oxychloride Nanowires for Photocatalytic Decomposition of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2021, 4, 3887-3892.	5.0	21
114	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
115	12-Silicotungstic Acid Doped Phosphoric Acid Imbibed Polybenzimidazole for Enhanced Protonic Conductivity for High Temperature Fuel Cell Applications. <i>Journal of the Electrochemical Society</i> , 2017, 164, F504-F513.	2.9	20
116	Subject-specific channel selection for classification of motor imagery electroencephalographic data. , 2013, , .		19
117	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
118	Design and experiment of a sun-powered smart building envelope with automatic control. <i>Energy and Buildings</i> , 2020, 223, 110173.	6.7	19
119	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
120	A Biologically Inspired Approach to Frequency Domain Feature Extraction for EEG Classification. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-10.	1.3	17
121	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
122	Dynamic Functional Brain Connectivity for Face Perception. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 662.	2.0	16
123	New Insights into Nail Penetration of Li-ion Batteries: Effects of Heterogeneous Contact Resistance. <i>Batteries and Supercaps</i> , 2019, 2, 874-881.	4.7	15
124	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
125	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
126	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



#	ARTICLE	IF	CITATIONS
127	Rate-Limiting Step in Batteries with Metal Oxides as the Energy Materials. ACS Applied Materials & Interfaces, 2018, 10, 7162-7170.	8.0	12
128	Solvation Dynamics of HEHEHP Ligand at the Liquid-Liquid Interface. Journal of Physical Chemistry B, 2018, 122, 5999-6006.	2.6	12
129	Nanocable with thick active intermediate layer for stable and high-area-capacity sodium storage. Nano Energy, 2020, 78, 105265.	16.0	12
130	FeOF/TiO <sub>2</sub> Hetero-Nanostructures for High-Areal-Capacity Fluoride Cathodes. ACS Applied Materials & Interfaces, 2020, 12, 33803-33809.	8.0	12
131	Determining the Online Measurable Input Variables in Human Joint Moment Intelligent Prediction Based on the Hill Muscle Model. Sensors, 2020, 20, 1185.	3.8	12
132	Object Recognition Under Distorted Prosthetic Vision. Artificial Organs, 2010, 34, 846-856.	1.9	11
133	Full Dissolution of the Whole Lithium Sulfide Family (Li <sub>2</sub> S <sub>8</sub> to Li <sub>2</sub> S). Journal of Physical Chemistry C, 2019, 123, 5613-5617.	2.0	11
134	Determining the Length Scale of Transport Impedances in Li-Ion Electrodes: Li(Ni <sub>0.33</sub> Mn <sub>0.33</sub> Co <sub>0.33</sub> )O <sub>2</sub> . Journal of the Electrochemical Society, 2020, 167, 100542.	2.9	11
135	Phase transformations in one-dimensional materials: applications in electronics and energy sciences. Journal of Materials Chemistry, 2009, 19, 5879.	6.7	10
136	Time-frequency selection in two bipolar channels for improving the classification of motor imagery EEG. , 2012, 2012, 2744-7.		9
137	The impact of alkyl triethylammonium side chains on perfluorinated ionic membranes for electrochemical applications. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 700-712.	2.1	9
138	π-Conjugated redox-active two-dimensional polymers as organic cathode materials. Chemical Science, 2022, 13, 3533-3538.	7.4	9
139	Random and Block Sulfonated Polyaramides as Advanced Proton Exchange Membranes. Journal of Physical Chemistry C, 2015, 119, 24724-24732.	3.1	8
140	Characterization of Water Self-Diffusion in Human Stratum Corneum. Journal of Pharmaceutical Sciences, 2018, 107, 1131-1142.	3.3	8
141	Microporous Battery Electrodes from Molecular Cluster Precursors. ACS Applied Materials & Interfaces, 2019, 11, 11292-11297.	8.0	8
142	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
143	Quantifying Altered Neural Connectivity of the Stretch Reflex in Chronic Hemiparetic Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1436-1441.	4.9	8
144	Thermodynamically Favorable Conversion of Hydrogen Sulfide into Valuable Products through Reaction with Sodium Naphthalenide. ChemPlusChem, 2015, 80, 1508-1512.	2.8	7

#	ARTICLE	IF	CITATIONS
145	Probing the Nonlinearity in Neural Systems Using Cross-frequency Coherence Framework. IFAC-PapersOnLine, 2015, 48, 1386-1390.	0.9	6
146	Modeling Isotope Separation in Electrochemical Lithium Deposition. Journal of the Electrochemical Society, 2022, 169, 032504.	2.9	6
147	Quantifying the Nonlinear Interaction in the Nervous System Based on Phase-Locked Amplitude Relationship. IEEE Transactions on Biomedical Engineering, 2020, 67, 2638-2645.	4.2	5
148	Assessing the Usage of Indirect Motor Pathways Following a Hemiparetic Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1568-1572.	4.9	5
149	The phase analysis of ongoing EEG oscillations under face/object perception. , 2010, , .		4
150	Oxide Nanostructures for Energy Storage. Springer Series in Materials Science, 2012, , 269-302.	0.6	4
151	Characterization of Water and a Model Lipophilic Compound in Human Stratum Corneum by NMR Spectroscopy and Equilibrium Sorption. Journal of Pharmaceutical Sciences, 2016, 105, 3376-3386.	3.3	4
152	Phosphene Object Perception Employs Holistic Processing During Early Visual Processing Stage. Artificial Organs, 2013, 37, 401-408.	1.9	3
153	Slowly activating outward membrane currents generate input-output sub-harmonic cross frequency coupling in neurons. Journal of Theoretical Biology, 2021, 509, 110509.	1.7	3
154	Chemical Heterogeneity in PAN/LLZTO Composite Electrolytes by Synchrotron Imaging. Journal of the Electrochemical Society, 2021, 168, 110522.	2.9	3
155	Novel Processing of a Poly(phenyleneoxide) $\hat{\sim}$ Poly(vinylbenzyltrimethylammonium) Copolymer Anion Exchange Membrane; The Effect On Mechanical And Transport Properties. Electrochimica Acta, 2016, 222, 1545-1554.	5.2	2
156	Selective Solar Absorbers: Scalable, $\hat{\sim}$ Dip $\hat{\sim}$ and $\hat{\sim}$ Dry $\hat{\sim}$ Fabrication of a Wide $\hat{\sim}$ Angle Plasmonic Selective Absorber for High $\hat{\sim}$ Efficiency Solar $\hat{\sim}$ Thermal Energy Conversion (Adv. Mater. 41/2017). Advanced Materials, 2017, 29, .	21.0	2
157	Assessing Neural Connectivity and Associated Time Delays of Muscle Responses to Continuous Position Perturbations. Annals of Biomedical Engineering, 2021, 49, 432-440.	2.5	2
158	Nanowire batteries for next generation electronics. , 2008, , .		1
159	Advances in Neural Engineering for Rehabilitation. Behavioural Neurology, 2017, 2017, 1-2.	2.1	1
160	Strategic Diversification for Asynchronous Asset Trading: Insights from Generalized Coherence Analysis of Cryptocurrency Price Movements. Ledger, 0, 6, .	0.0	1
161	Data Ranking and Clustering via Normalized Graph Cut Based on Asymmetric Affinity. Lecture Notes in Computer Science, 2013, , 562-571.	1.3	1
162	Neurophysiology study of early visual processing of face and non-face recognition under simulated prosthetic vision. , 2009, 2009, 3952-5.		0

#	ARTICLE	IF	CITATIONS
163	Structured Polymers for High-Performance Passive Daytime Radiative Cooling. , 2019, , .		0
164	(Invited) Characterization and Design of Solid Polymer-Based High Voltage Lithium Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 248-248.	0.0	0
165	Enhancing Electrode/Electrolyte Interfacial Stability in Solid State Lithium Batteries By Surface Coating. ECS Meeting Abstracts, 2020, MA2020-02, 1017-1017.	0.0	0
166	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