

Opportunities and challenges for a sustainable energy f

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Managing and mapping data lineage for business intelligence and analytics applications in health care. , 2011, , .		2
2	Photovoltaics literature survey (No. 97). Progress in Photovoltaics: Research and Applications, 2012, 20, 912-914.	8.1	0
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6	Reactive Distillation Column for Disproportionation of Trichlorosilane to Silane: Reducing Refrigeration Load with Intermediate Condensers. Industrial & Engineering Chemistry Research, 2013, 52, 6211-6220.	3.7	35
7	Facile solution synthesis of Ag@Pt core-shell nanoparticles with dendritic Pt shells. Physical Chemistry Chemical Physics, 2013, 15, 3490.	2.8	159
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9	Graphene encapsulated and SiC reinforced silicon nanowires as an anode material for lithium ion batteries. Nanoscale, 2013, 5, 8689.	5.6	56
10	Metabolic and cellular organization in evolutionarily diverse microalgae as related to biofuels production. Current Opinion in Chemical Biology, 2013, 17, 506-514.	6.1	83
11	Theoretical Limits of Hydrogen Storage in Metal-Organic Frameworks: Opportunities and Trade-Offs. Chemistry of Materials, 2013, 25, 3373-3382.	6.7	211
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17	Plasmonic materials for energy: From physics to applications. Materials Today, 2013, 16, 375-386.	14.2	304
18	Coordination of storage and generation in power system frequency control using an H_{∞} approach. IET Generation, Transmission and Distribution, 2013, 7, 1263-1271.	2.5	28

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21	An experimental investigation of melting of nanoparticle-enhanced phase change materials (NePCMs) in a bottom-heated vertical cylindrical cavity. International Journal of Heat and Mass Transfer, 2013, 66, 111-117.	4.8	105
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1440	Scalable in-situ growth of self-assembled coordination supramolecular network arrays: A novel high-performance energy storage material. <i>Chemical Engineering Journal</i> , 2018, 338, 230-239.	12.7	34
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1442	Conceptual study of an accelerator-driven ceramic fast reactor with long-term operation. <i>International Journal of Energy Research</i> , 2018, 42, 1693-1701.	4.5	0
1443	Ultrathin 5-fold twinned sub-25 nm silver nanowires enable highly selective electroreduction of CO ₂ to CO. <i>Nano Energy</i> , 2018, 45, 456-462.	16.0	115

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1448	Dual or multi carbonaceous coating strategies for next-generation batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1900-1914.	10.3	32
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1453	Generalized master curve procedure for elastomer friction taking into account dependencies on velocity, temperature and normal force. <i>Tribology International</i> , 2018, 120, 376-380.	5.9	16
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1462	Equilibrium approach towards water resource management and pollution control in coal chemical industrial park. <i>Journal of Environmental Management</i> , 2018, 219, 56-73.	7.8	24

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1469	A highly efficient flower-like cobalt catalyst for electroreduction of carbon dioxide. <i>Chinese Journal of Catalysis</i> , 2018, 39, 914-919.	14.0	19
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1490	Rationally designed sea snake structure based triboelectric nanogenerators for effectively and efficiently harvesting ocean wave energy with minimized water screening effect. <i>Nano Energy</i> , 2018, 48, 421-429.	16.0	195
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1495	Advanced Supercapacitors Based on Ni(OH) ₂ Nanoplates/Graphene Composite Electrodes with High Energy and Power Density. <i>ACS Applied Energy Materials</i> , 2018, 1, 1496-1505.	5.1	26
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1583	Hierarchical CoMoO ₄ nanoneedle electrodes for advanced supercapacitors and electrocatalytic oxygen evolution. <i>Electrochimica Acta</i> , 2018, 259, 552-558.	5.2	80
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1585	Effects of particle size, pretreatment, and catalysis on microwave pyrolysis of corn stover. <i>Energy</i> , 2018, 143, 696-703.	8.8	37
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1587	A thermally regenerative ammonia battery with carbon-silver electrodes for converting low-grade waste heat to electricity. <i>Journal of Power Sources</i> , 2018, 373, 95-102.	7.8	79
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1899	Vibration energy harvesting in automotive suspension system: A detailed review. <i>Applied Energy</i> , 2018, 229, 672-699.	10.1	301
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1905	Bio-Waste Derived Carbon as Interlayer and Scaffold for Li-Ion Batteries. <i>ChemistrySelect</i> , 2018, 3, 8901-8911.	1.5	9
1906	Ni-doped amorphous iron phosphide nanoparticles on TiN nanowire arrays: An advanced alkaline hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2018, 53, 66-73.	16.0	115
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1908	Recent progress on earth abundant electrocatalysts for oxygen evolution reaction (OER) in alkaline medium to achieve efficient water splitting – A review. <i>Journal of Power Sources</i> , 2018, 400, 31-68.	7.8	418
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1960	The application of hybrid photovoltaic system on the ocean-going ship: engineering practice and experimental research. Journal of Marine Engineering and Technology, 2019, 18, 56-66.	4.1	17
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2828	Improved methanol yield and selectivity from CO ₂ hydrogenation using a novel Cu-ZnO-ZrO ₂ catalyst supported on Mg-Al layered double hydroxide (LDH). <i>Journal of CO₂ Utilization</i> , 2019, 29, 57-64.	6.8	76
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2832	<i>Euonymus maackii</i> Rupr. Seed oil as a new potential non-edible feedstock for biodiesel. <i>Renewable Energy</i> , 2019, 133, 261-267.	8.9	30
2833	CH ₄ /N ₂ separation on methane molecules grade diameter channel molecular sieves with a CHA-type structure. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1044-1049.	3.5	23
2834	High-performance nitrogen-doped hierarchical porous carbon derived from cauliflower for advanced supercapacitors. <i>Journal of Materials Science</i> , 2019, 54, 2446-2457.	3.7	43
2835	Probe active sites of heterogeneous electrocatalysts by X-ray absorption spectroscopy: From single atom to complex multi-element composites. <i>Current Opinion in Electrochemistry</i> , 2019, 14, 7-15.	4.8	22
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2842	Thermodynamic study on carbon dioxide absorption in aqueous solutions of choline-based amino acid ionic liquids. <i>Separation and Purification Technology</i> , 2019, 214, 128-138.	7.9	36
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2951	Photo-induced charge kinetic acceleration in ultrathin layered double hydroxide nanosheets boosts the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1105-1112.	10.3	32
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2965	Single-walled carbon nanotube as conductive additive for SiO/C composite electrodes in pouch-type lithium-ion batteries. <i>Ionics</i> , 2020, 26, 1721-1728.	2.4	19
2966	Application of atomic layer deposition in fabricating high-efficiency electrocatalysts. <i>Chinese Journal of Catalysis</i> , 2020, 41, 227-241.	14.0	21
2967	Hierarchical hollow nanotubes of NiFeV-layered double hydroxides@CoVP heterostructures towards efficient, pH-universal electrocatalytic nitrogen reduction reaction to ammonia. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118559.	20.2	252
2968	Specific phase modulation and infrared photon confinement in solar selective absorbers. <i>Applied Materials Today</i> , 2020, 18, 100533.	4.3	6
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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4000	A new polyanionic cathode with stable structure and superior kinetics for Na-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 405, 127035.	12.7	8

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4458	Corrosion engineering derived Ga doped CoSe ₂ nanosheets intrinsically active for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2021, 497, 229895.	7.8	23
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4460	Clean and Affordable Hydrogen Fuel from Alkaline Water Splitting: Past, Recent Progress, and Future Prospects. <i>Advanced Materials</i> , 2021, 33, e2007100.	21.0	781
4461	Surface Modification of Electrocatalyst for Optimal Adsorption of Reactants in Oxygen Evolution Reaction. <i>Catalysts</i> , 2021, 11, 717.	3.5	3
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4465	Coupling droplets/bubbles with a liquid film for enhancing phase-change heat transfer. <i>IScience</i> , 2021, 24, 102531.	4.1	8
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4469	MXene and MoS ₂ Coated 3D-Printed Hybrid Electrode for Solid-State Asymmetric Supercapacitor. <i>Small Methods</i> , 2021, 5, e2100451.	8.6	56
4470	Review on form-stable inorganic hydrated salt phase change materials: Preparation, characterization and effect on the thermophysical properties. <i>Applied Energy</i> , 2021, 292, 116845.	10.1	128
4471	Engineering NiCoP arrays by cross-linked nanowires and nanosheets as advanced materials for hybrid supercapacitors. <i>Journal of Energy Storage</i> , 2021, 38, 102503.	8.1	44
4472	Decorating ZIF-67-derived cobalt-nitrogen doped carbon nanocapsules on 3D carbon frameworks for efficient oxygen reduction and oxygen evolution. <i>Carbon</i> , 2021, 177, 344-356.	10.3	67
4473	Polysulfone and organo-modified graphene oxide for new hybrid proton exchange membranes: A green alternative for high-efficiency PEMFCs. <i>Electrochimica Acta</i> , 2021, 380, 138214.	5.2	28

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4475	Pentadentate Copper(II)-amidate complex as a precatalyst for electrocatalytic proton reduction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 21542-21548.	7.1	1
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4478	N-doped carbon nanotube arrays on reduced graphene oxide as multifunctional materials for energy devices and absorption of electromagnetic wave. <i>Carbon</i> , 2021, 177, 216-225.	10.3	88
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4485	Electrocatalytic performance of NiNH ₂ BDC MOF based composites with rGO for methanol oxidation reaction. <i>Scientific Reports</i> , 2021, 11, 13402.	3.3	28
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4516	Ultrasonic Metal Welding of Multilayered Copper Foils to Nickel-Plated Copper Sheet in Lithium-Ion Battery Cell. <i>Metals</i> , 2021, 11, 1195.	2.3	12
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4563	Phase change material-based thermal energy storage. <i>Cell Reports Physical Science</i> , 2021, 2, 100540.	5.6	51
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4604	Multifunctional Metal Phosphides as Superior Host Materials for Advanced Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 13494-13512.	3.3	15
4605	Amine group ligand-modified hydrotalcite-like nano cobalt hydroxide for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 29905-29915.	7.1	3
4606	Activated carbon- supported Vanado-nickelate (IV) based hybrid materials for energy application. <i>Journal of Energy Storage</i> , 2021, 40, 102727.	8.1	15
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5376	Nitrogen-Doped Graphene Aerogel Microspheres Used as Electrocatalyst Supports for Methanol Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1398-1407.	3.7	13
5377	Renewable Energies and Urban Environment in Spain. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2022, , 204-225.	0.4	0
5378	Synergistically enhanced single-atomic site catalysts for clean energy conversion. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5673-5698.	10.3	12
5379	IrO ₂ -Modified RuO ₂ Nanowires/Nitrogen-Doped Carbon Composite for Effective Overall Water Splitting in All pH. <i>Energy & Fuels</i> , 2022, 36, 1015-1026.	5.1	36
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5381	Uniform lithium nucleation/deposition regulated by N/S co-doped carbon nanospheres towards ultra-stable lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1463-1472.	10.3	10
5382	Highly Oriented {010} Crystal Plane Induced by Boron in Cobalt-Free Li- and Mn-Rich Layered Oxide. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2711-2719.	8.0	11
5383	Space charge enhanced ion transport in heterogeneous polyelectrolyte/alumina nanochannel membranes for high-performance osmotic energy conversion. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2867-2875.	10.3	40
5384	Machine learning in building energy management: A critical review and future directions. <i>Frontiers of Engineering Management</i> , 2022, 9, 239-256.	6.1	5
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5387	One step fabrication of aligned carbon nanotubes using gas rectifier. <i>Scientific Reports</i> , 2022, 12, 1285.	3.3	3
5388	Self-Adjusting Metal-Organic Framework for Efficient Capture of Trace Xenon and Krypton. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	47
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5391	Vertically aligned ZnCo ₂ O ₄ nanoplates on Ti ₃ C ₂ for high-efficiency hybrid supercapacitors. <i>New Journal of Chemistry</i> , 2022, 46, 4385-4394.	2.8	10
5392	Recent advances of energy storage technologies for grid: A comprehensive review. <i>Energy Storage</i> , 2022, 4, .	4.3	26

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5443	Synthetic strategies of single-atoms catalysts and applications in electrocatalysis. <i>Electrochimica Acta</i> , 2022, 409, 139835.	5.2	8
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5489	A metal-supported single-atom catalytic site enables carbon dioxide hydrogenation. <i>Nature Communications</i> , 2022, 13, 819.	12.8	83
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6598	Recent developments in ion conductive membranes for CO ₂ electrochemical reduction. <i>Chemical Engineering Journal</i> , 2023, 456, 140942.	12.7	7
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