

SÅ,awomir Dyjak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fe-N-C catalysts for oxygen electroreduction under external magnetic fields: Reduction of magnetic O ₂ to nonmagnetic H ₂ O. <i>Journal of Energy Chemistry</i> , 2022, 64, 296-308.	12.9	17
2	Conducting Polymer-Based Hybrid Electrochemical Capacitor Utilizing Potassium Iodide Redox Electrolyte with Controlled Self-Discharge. <i>ChemElectroChem</i> , 2022, 9, .	3.4	4
3	Nitrogen-Doped Carbons Derived from Imidazole-Based Cross-Linked Porous Organic Polymers. <i>Molecules</i> , 2021, 26, 668.	3.8	5
4	Iodide Electrolyte-Based Hybrid Supercapacitor for Compact Photo-Rechargeable Energy Storage System Utilising Silicon Solar Cells. <i>Energies</i> , 2021, 14, 2708.	3.1	5
5	Carbon gel-derived Fe-N-C electrocatalysts for hydrogen-air polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2021, 513, 230537.	7.8	17
6	Pyrolysis of Porous Organic Polymers under a Chlorine Atmosphere to Produce Heteroatom-Doped Microporous Carbons. <i>Molecules</i> , 2021, 26, 3656.	3.8	3
7	Factors affecting performance of electrochemical capacitors operating in Keggin-type silicotungstic acid electrolyte. <i>Applied Surface Science</i> , 2020, 530, 147273.	6.1	8
8	Silver and Graphenic Carbon Nanostructures Differentially Influence the Morphology and Viability of Cardiac Progenitor Cells. <i>Materials</i> , 2020, 13, 2159.	2.9	3
9	Transition metal impurities in carbon-based materials: Pitfalls, artifacts and deleterious effects. <i>Carbon</i> , 2020, 168, 748-845.	10.3	102
10	Keggin Type Silicotungstic Acid As Electrolyte for Liquid and Solid-State Electrochemical Capacitors Utilizing Biopolymer Membranes. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 14-14.	0.0	0
11	Polyoxometalate/Hydroquinone Hybrid Redox Electrolyte for Electrochemical Energy Storage. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2815-2815.	0.0	0
12	Carbide-derived carbon obtained via bromination of titanium carbide: Comparative analysis with chlorination and hydrogen storage studies. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 26-34.	4.4	15
13	Polyoxometalate/hydroquinone dual redox electrolyte for hybrid energy storage systems. <i>Energy Storage Materials</i> , 2019, 21, 427-438.	18.0	28
14	Origin of microporosity in chalcogen-doped carbon materials: The case of selenium-doped carbogels. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 260-264.	4.4	9
15	Capacitance characteristics of carbon-based electrochemical capacitors exposed to heteropolytungstic acid electrolyte. <i>Electrochimica Acta</i> , 2018, 282, 533-543.	5.2	13
16	Heterogeneous iron-containing carbon gels as catalysts for oxygen electroreduction: Multifunctional role of sulfur in the formation of efficient systems. <i>Carbon</i> , 2017, 116, 655-669.	10.3	31
17	Analysis of the cytotoxicity of hierarchical nanoporous graphenic carbon against human glioblastoma grade IV cells. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3839-3849.	6.7	5
18	Pressurised-cell test stand with oscillating heating for investigation heat transfer phenomena in metal hydride beds. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16974-16983.	7.1	5

#	ARTICLE	IF	CITATIONS
19	Self-propagating high-temperature fast reduction of magnesium oxalate to novel nanocarbons. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2486-2491.	1.5	11
20	Hierarchical, nanoporous graphenic carbon materials through an instant, self-sustaining magnesiothermic reduction. <i>Carbon</i> , 2016, 96, 937-946.	10.3	37
21	The influence of ball-milling time on the dehydrogenation properties of the NaAlH ₄ -MgH ₂ composite. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4200-4206.	7.1	33
22	Thermite-driven melamine condensation to C _x N _y H _z graphitic ternary polymers: towards an instant, large-scale synthesis of g-C ₃ N ₄ . <i>Journal of Materials Chemistry A</i> , 2015, 3, 9621-9631.	10.3	58
23	Facile and fast combustion synthesis and characterization of novel carbon nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2563-2568.	1.5	8
24	A simple method of synthesis and surface purification of titanium carbide powder. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 38, 87-91.	3.8	32
25	Graphitic encapsulation of MgO and Fe ₃ C nanoparticles in the reaction of iron pentacarbonyl with magnesium. <i>Materials Characterization</i> , 2013, 81, 97-104.	4.4	5
26	Fast combustion synthesis and characterization of YAG:Ce ³⁺ garnet nanopowders. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2702-2708.	1.5	20
27	Fast and efficient combustion synthesis route to produce novel nanocarbons. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2373-2377.	1.5	23