Volodymyr Khomenko

List of Publications by Year
in descending order

35 papers	5,362 citations	471061 17 h-index	500791 28 g-index
36 all docs	36 docs citations	36 times ranked	6404 citing authors

#	Article	IF	Citations
1	DEVELOPMENT AND RESEARCH OF COMPOSITE ELECTROLYTE BASED ON LATP/LIPF6 SYSTEM FOR LITHIUM BATTERIES. Ukrainian Chemistry Journal, 2020, 86, 75-87.	0.1	0
2	Lithium-Ion Capacitor for Photovoltaic Energy System. Materials Today: Proceedings, 2019, 6, 116-120.	0.9	4
3	Pure ultrafine magnetite from carbon steel wastes. Materials Today: Proceedings, 2019, 6, 270-278.	0.9	7
4	Effect of binderâ€™s solvent on the electrochemical performance of electrodes for lithium-ion batteries and supercapacitors. Materials Today: Proceedings, 2019, 6, 42-47.	0.9	10
5	Surface Modification of the LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ Cathode by a Protective Interface Layer of Li_{1.3}Ti_{1.7}Al_{0.3}(PO₄)₃. Journal of the Electrochemical Society, 2019, 166, A1920-A1925.	1.3	17
6	SYNTHESIS OF Li-CONDUCTIVE NANOPARTICLES WITH NASICON-TYPE STRUCTURE. Ukrainian Chemical Journal, 2019, 85, 28-40.	0.3	0
7	Elemental Composition of the Medicinal Plants Hypericum perforatum, Urtica dioica and Matricaria chamomilla Grown in Ukraine: A Comparative Study. Pharmacognosy Journal, 2018, 10, 486-491.	0.3	10
8	C/C composite anodes for long-life lithium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 3557-3566.	1.2	5
9	Reduction of molecular oxygen on the surface of transition metal complex oxide. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 112-119.	0.5	0
10	Green Alternative binders for high-voltage electrochemical capacitors. IOP Conference Series: Materials Science and Engineering, 2016, 111, 012025.	0.3	3
11	Development of Novel Solid Materials for High Power Li Polymer Batteries (SOMABAT). Recyclability of Components. Lecture Notes in Mobility, 2015, , 19-32.	0.2	0
12	Modeling of porous graphite electrodes of hybride electrochemical capacitors and lithium-ion batteries. Journal of Solid State Electrochemistry, 2015, 19, 2723-2732.	1.2	4
13	Methanol oxidation at platinized copper particles prepared by galvanic replacement. Journal of Electrochemical Science and Engineering, 2015, .	1.6	1
14	Oxygen reduction at the surface of polymer/carbon and polymer/carbon/spinel catalysts in aqueous solutions. Electrochimica Acta, 2013, 104, 391-399.	2.6	9
15	Use of non-conventional electrolyte salt and additives in high-voltage graphite/LiNi0.4Mn1.6O4 batteries. Journal of Power Sources, 2013, 238, 17-20.	4.0	34
16	Development of safe, green and high performance ionic liquids-based batteries (ILLIBATT project). Journal of Power Sources, 2011, 196, 9719-9730.	4.0	132
17	A new type of high energy asymmetric capacitor with nanoporous carbon electrodes in aqueous electrolyte. Journal of Power Sources, 2010, 195, 4234-4241.	4.0	203
18	High-energy density graphite/AC capacitor in organic electrolyte. Journal of Power Sources, 2008, 177, 643-651.	4.0	428

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19	The Large Electrochemical Capacitance of Microporous Doped Carbon Obtained by Using a Zeolite Template. Advanced Functional Materials, 2007, 17, 1828-1836.	7.8	492
20	Characterization of silicon- and carbon-based composite anodes for lithium-ion batteries. Electrochimica Acta, 2007, 52, 2829-2840.	2.6	40
21	Effects of thermal treatment of activated carbon on the electrochemical behaviour in supercapacitors. Electrochimica Acta, 2007, 52, 4969-4973.	2.6	172
22	Lithium-ion batteries based on carbonâ€“siliconâ€“graphite composite anodes. Journal of Power Sources, 2007, 165, 598-608.	4.0	52
23	ELECTROCONDUCTIVE POLYMERS AND EXFOLIATED GRAPHITE COMPOSITES AS CATALYSTS FOR OXYGEN REDUCTION. , 2007, , 833-837.		0
24	HYBRID SUPERCAPACITORS BASED ON Î±-MnO2/CARBON NANOTUBES COMPOSITES. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 33-40.	0.1	2
25	Optimisation of an asymmetric manganese oxide/activated carbon capacitor working at 2V in aqueous medium. Journal of Power Sources, 2006, 153, 183-190.	4.0	687
26	Supercapacitors based on conducting polymers/nanotubes composites. Journal of Power Sources, 2006, 153, 413-418.	4.0	885
27	High-voltage asymmetric supercapacitors operating in aqueous electrolyte. Applied Physics A: Materials Science and Processing, 2006, 82, 567-573.	1.1	339
28	The catalytic activity of conducting polymers toward oxygen reduction. Electrochimica Acta, 2005, 50, 1675-1683.	2.6	223
29	Determination of the specific capacitance of conducting polymer/nanotubes composite electrodes using different cell configurations. Electrochimica Acta, 2005, 50, 2499-2506.	2.6	718
30	Performance of Manganese Oxide/CNTs Composites as Electrode Materials for Electrochemical Capacitors. Journal of the Electrochemical Society, 2005, 152, A229.	1.3	361
31	Catalytic Activity of Polyaniline in the Molecular Oxygen Reduction: Its Nature and Mechanism. Russian Journal of Electrochemistry, 2004, 40, 1170-1173.	0.3	13
32	Capacitance properties of poly(3,4-ethylenedioxythiophene)/carbon nanotubes composites. Journal of Physics and Chemistry of Solids, 2004, 65, 295-301.	1.9	485
33	On the faradaic and non-faradaic mechanisms of electrochemical processes in conducting polymers and some other reversible systems with solid-phase reagents. Electrochimica Acta, 2001, 46, 4083-4094.	2.6	26
34	Electrochemical Properties of Advanced Anodes for Lithium-Ion Batteries Based on Carboxymethylcellulose as Binder. Key Engineering Materials, 0, 559, 49-55.	0.4	0
35	Composite Catalysts towards Oxygen Reduction in Aqueous Solutions. Key Engineering Materials, 0, 559, 57-62.	0.4	0