

Volodymyr Khomenko

List of Publications by Year in descending order

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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	Supercapacitors based on conducting polymers/nanotubes composites. Journal of Power Sources, 2006, 153, 413-418.	4.0	885
2	Determination of the specific capacitance of conducting polymer/nanotubes composite electrodes using different cell configurations. Electrochimica Acta, 2005, 50, 2499-2506.	2.6	718
3	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
4	The Large Electrochemical Capacitance of Microporous Doped Carbon Obtained by Using a Zeolite Template. Advanced Functional Materials, 2007, 17, 1828-1836.	7.8	492
5	Capacitance properties of poly(3,4-ethylenedioxythiophene)/carbon nanotubes composites. Journal of Physics and Chemistry of Solids, 2004, 65, 295-301.	1.9	485
6	High-energy density graphite/AC capacitor in organic electrolyte. Journal of Power Sources, 2008, 177, 643-651.	4.0	428
7	Performance of Manganese Oxide/CNTs Composites as Electrode Materials for Electrochemical Capacitors. Journal of the Electrochemical Society, 2005, 152, A229.	1.3	361
8	High-voltage asymmetric supercapacitors operating in aqueous electrolyte. Applied Physics A: Materials Science and Processing, 2006, 82, 567-573.	1.1	339
9	The catalytic activity of conducting polymers toward oxygen reduction. Electrochimica Acta, 2005, 50, 1675-1683.	2.6	223
10	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
11	Effects of thermal treatment of activated carbon on the electrochemical behaviour in supercapacitors. Electrochimica Acta, 2007, 52, 4969-4973.	2.6	172
12	Development of safe, green and high performance ionic liquids-based batteries (ILLIBATT project). Journal of Power Sources, 2011, 196, 9719-9730.	4.0	132
13	Lithium-ion batteries based on carbon-silicon-graphite composite anodes. Journal of Power Sources, 2007, 165, 598-608.	4.0	52
14	Characterization of silicon- and carbon-based composite anodes for lithium-ion batteries. Electrochimica Acta, 2007, 52, 2829-2840.	2.6	40
15	Use of non-conventional electrolyte salt and additives in high-voltage graphite/LiNi _{0.4} Mn _{1.6} O ₄ batteries. Journal of Power Sources, 2013, 238, 17-20.	4.0	34
16	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
17	Surface Modification of the LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Cathode by a Protective Interface Layer of Li _{1.3} Ti _{1.7} Al _{0.3} (PO ₄) ₃ . Journal of the Electrochemical Society, 2019, 166, A1920-A1925.	1.3	17
18	Catalytic Activity of Polyaniline in the Molecular Oxygen Reduction: Its Nature and Mechanism. Russian Journal of Electrochemistry, 2004, 40, 1170-1173.	0.3	13

#	ARTICLE	IF	CITATIONS
19	Effect of binder's solvent on the electrochemical performance of electrodes for lithium-ion batteries and supercapacitors. <i>Materials Today: Proceedings</i> , 2019, 6, 42-47.	0.9	10
20	Elemental Composition of the Medicinal Plants <i>Hypericum perforatum</i> , <i>Urtica dioica</i> and <i>Matricaria chamomilla</i> Grown in Ukraine: A Comparative Study. <i>Pharmacognosy Journal</i> , 2018, 10, 486-491.	0.3	10
21	Oxygen reduction at the surface of polymer/carbon and polymer/carbon/spinel catalysts in aqueous solutions. <i>Electrochimica Acta</i> , 2013, 104, 391-399.	2.6	9
22	Pure ultrafine magnetite from carbon steel wastes. <i>Materials Today: Proceedings</i> , 2019, 6, 270-278.	0.9	7
23	C/C composite anodes for long-life lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3557-3566.	1.2	5
24	Modeling of porous graphite electrodes of hybrid electrochemical capacitors and lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2723-2732.	1.2	4
25	Lithium-Ion Capacitor for Photovoltaic Energy System. <i>Materials Today: Proceedings</i> , 2019, 6, 116-120.	0.9	4
26	Green Alternative binders for high-voltage electrochemical capacitors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 111, 012025.	0.3	3
27	HYBRID SUPERCAPACITORS BASED ON $\text{MnO}_2/\text{CARBON NANOTUBES COMPOSITES}$. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2006, , 33-40.	0.1	2
28	Methanol oxidation at platinized copper particles prepared by galvanic replacement. <i>Journal of Electrochemical Science and Engineering</i> , 2015, .	1.6	1
29	Electrochemical Properties of Advanced Anodes for Lithium-Ion Batteries Based on Carboxymethylcellulose as Binder. <i>Key Engineering Materials</i> , 0, 559, 49-55.	0.4	0
30	Composite Catalysts towards Oxygen Reduction in Aqueous Solutions. <i>Key Engineering Materials</i> , 0, 559, 57-62.	0.4	0
31	Development of Novel Solid Materials for High Power Li Polymer Batteries (SOMABAT). <i>Recyclability of Components. Lecture Notes in Mobility</i> , 2015, , 19-32.	0.2	0
32	Reduction of molecular oxygen on the surface of transition metal complex oxide. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016, 47, 112-119.	0.5	0
33	SYNTHESIS OF Li-CONDUCTIVE NANOPARTICLES WITH NASICON-TYPE STRUCTURE. <i>Ukrainian Chemical Journal</i> , 2019, 85, 28-40.	0.3	0
34	ELECTROCONDUCTIVE POLYMERS AND EXFOLIATED GRAPHITE COMPOSITES AS CATALYSTS FOR OXYGEN REDUCTION. , 2007, , 833-837.		0
35	DEVELOPMENT AND RESEARCH OF COMPOSITE ELECTROLYTE BASED ON LTP/LIPF6 SYSTEM FOR LITHIUM BATTERIES. <i>Ukrainian Chemistry Journal</i> , 2020, 86, 75-87.	0.1	0