Nikola CvjetiÄanin

List of Publications by Year
in descending order

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47 papers	1,028 citations	430874 18 h-index	434195 31 g-index
47 all docs	47 docs citations	47 times ranked	1584 citing authors

#	Article	IF	Citations
1	Gel-combustion synthesis of LiFePO4/C composite with improved capacity retention in aerated aqueous electrolyte solution. Electrochimica Acta, 2013, 92, 248-256.	5.2	87
2	Preparation and properties of BaTi1â^'xSnxO3 multilayered ceramics. Journal of the European Ceramic Society, 2007, 27, 505-509.	5.7	81
3	The improvement of the Li-ion insertion behaviour of Li1.05Cr0.10Mn1.85O4 in an aqueous medium upon addition of vinylene carbonate. Electrochemistry Communications, 2010, 12, 371-373.	4.7	63
4	Synthesis and characterization of CdS quantum dotsâ€"polystyrene composite. Chemical Physics Letters, 2000, 329, 168-172.	2.6	60
5	Magnetic and power absorption measurements on iron oxide nanoparticles synthesized by thermal decomposition of Fe(acac)3. Journal of Magnetism and Magnetic Materials, 2018, 449, 286-296.	2.3	54
6	Electrochemical behaviour of V2O5 xerogel in aqueous LiNO3 solution. Electrochemistry Communications, 2009, 11, 1512-1514.	4.7	50
7	Crystal structure analysis and first principle investigation of F doping in LiFePO4. Journal of Power Sources, 2013, 241, 70-79.	7.8	42
8	Synthesis and characterization of LiFePO4/C composite obtained by sonochemical method. Solid State Ionics, 2008, 179, 415-419.	2.7	38
9	Influence of annealing treatment on magnetic properties of Fe2O3/SiO2 and formation of Îµ-Fe2O3 phase. Ceramics International, 2017, 43, 3147-3155.	4.8	38
10	The influence of the heat treatment on the structural and magnetic properties of nanoparticle La0.7Ca0.3MnO3 prepared by glycineâ€"nitrate method. Journal of Alloys and Compounds, 2010, 494, 52-57.	5.5	33
11	Preparation of LiFePO4/C composites by co-precipitation in molten stearic acid. Journal of Power Sources, 2011, 196, 4613-4618.	7.8	32
12	Cyclic voltammetry of LiCr0.15Mn1.85O4 in an aqueous LiNO3 solution. Journal of Power Sources, 2007, 174, 1117-1120.	7.8	28
13	The simple one-step solvothermal synthesis of nanostructurated VO2(B). Ceramics International, 2012, 38, 2313-2317.	4.8	27
14	Conductivity, viscosity and IR spectra of Li, Na and Mg perchlorate solutions in propylene carbonate/water mixed solvents. Physical Chemistry Chemical Physics, 1999, 1, 5157-5161.	2.8	25
15	Influence of VO2 nanostructured ceramics on hydrogen desorption properties from magnesium hydride. Ceramics International, 2013, 39, 51-56.	4.8	25
16	Hydrothermal synthesis of Li4Ti5O12/C nanostructured composites: Morphology and electrochemical performance. Materials Research Bulletin, 2013, 48, 218-223.	5.2	24
17	Structural and magnetic properties of hydrothermally synthesized Î²-MnO2 and Î±-K MnO2 nanorods. Journal of Alloys and Compounds, 2016, 665, 261-270.	5.5	24
18	The LiFe(1â^')V PO4/C composite synthesized by gel-combustion method, with improved rate capability and cycle life in aerated aqueous solutions. Electrochimica Acta, 2013, 109, 835-842.	5.2	23

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19	Vibrational and electron paramagnetic resonance spectroscopic studies of Î²-MnO2 and Î±-K MnO2 nanorods. Journal of Alloys and Compounds, 2017, 728, 259-270.	5.5	18
20	The influence of fluorine doping on the structural and electrical properties of the LiFePO4 powder. Ceramics International, 2017, 43, 3224-3230.	4.8	18
21	Electrical, electrochemical and thermal properties of the ionic liquid + lactone binary mixtures as the potential electrolytes for lithium-ion batteries. Journal of Molecular Liquids, 2017, 243, 52-60.	4.9	16
22	NiA and NiX zeolites as bifunctional electrocatalysts for water splitting in alkaline media. International Journal of Hydrogen Energy, 2018, 43, 18977-18991.	7.1	15
23	Electrochemical Performance of Anatase TiO‹sub›2‹/sub›Nanotube Arrays Electrode in Ionic Liquid Based Electrolyte for Lithium Ion Batteries. Journal of the Electrochemical Society, 2017, 164, H5100-H5107.	2.9	15
24	Electric conductivity of Na and Ag forms of A and X zeolites. The effect of cluster formation on the conductivity. Solid State Ionics, 1991, 47, 111-115.	2.7	14
25	The use of various dicarboxylic acids as a carbon source for the preparation of LiFePO4/C composite. Ceramics International, 2015, 41, 6753-6758.	4.8	14
26	Electrochemical properties of nanostructured Li1.2V3O8 in aqueous LiNO3 solution. Electrochimica Acta, 2011, 56, 6469-6473.	5.2	13
27	A study on the kinetics and mechanism of silver-cluster formation in zeolite Agî—¸X by diffuse reflectance spectroscopy. Zeolites, 1994, 14, 35-41.	0.5	11
28	Rapid synthesis of LiCr0.15Mn1.85O4 by glycineâ€“nitrate method. Solid State Ionics, 2006, 177, 847-850.	2.7	11
29	Rapid crystallization of LiFePO4 particles by facile emulsion-mediated solvothermal synthesis. Powder Technology, 2012, 219, 128-134.	4.2	11
30	Insertion of lithium ion in anatase TiO 2 nanotube arrays of different morphology. Journal of Alloys and Compounds, 2017, 712, 90-96.	5.5	11
31	12-phosphotungstic Acid Supported on BEA Zeolite Composite with Carbonized Polyaniline for Electroanalytical Sensing of Phenols in Environmental Samples. Journal of the Electrochemical Society, 2018, 165, H1013-H1020.	2.9	11
32	Physicochemical and electrochemical characterisation of imidazolium based IL + GBL mixtures as electrolytes for lithium-ion batteries. Physical Chemistry Chemical Physics, 2017, 19, 28139-28152.	2.8	10
33	Electrochemical Synthesis and Structure of Poly(2â€methylâ€1â€naphthylamine) Films. Spectroscopy Letters, 2003, 36, 151-165.	1.0	9
34	Synthesis of hematite and iron oxyhydroxide nanocrystals by precipitation of Fe3+ ions inside oleic acid micelles. Ceramics International, 2013, 39, 5659-5665.	4.8	9
35	Raman spectroscopic study of lithium and sodium perchlorate association in propylene carbonate-water mixed solvents. Journal of Raman Spectroscopy, 2000, 31, 871-876.	2.5	8
36	Structural and magnetic characterization of LiMn1.825Cr0.175O4 spinel obtained by ultrasonic spray pyrolysis. Materials Research Bulletin, 2007, 42, 515-522.	5.2	8

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37	Nanostructured materials for sensing Pb(II) and Cd(II) ions: Manganese oxohydroxide versus carbonized polyanilines?. Journal of the Serbian Chemical Society, 2013, 78, 1717-1727.	0.8	8
38	High performance of solvothermally prepared VO2(B) as anode for aqueous rechargeable lithium batteries. Journal of the Serbian Chemical Society, 2015, 80, 685-694.	0.8	8
39	Electrochemical polymerization of 2-methyl-1-naphthylamine. Polymer Bulletin, 2003, 50, 319-326.	3.3	7
40	Influence of dimensionality on phase transition in VO2 nanocrystals. Science of Sintering, 2013, 45, 305-311.	1.4	6
41	Facile Preparation and High Activity of TiO2 Nanotube Arrays toward Oxygen Reduction in Alkaline Media. Journal of the Electrochemical Society, 2018, 165, J3253-J3258.	2.9	5
42	Electrochemical study of anatase TiO2 nanotube array electrode in electrolyte based on 1,3-diethylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid. Ionics, 2019, 25, 5501-5513.	2.4	4
43	Performance of Au/Ti and Au/TiO 2 Nanotube Array Electrodes for Borohydride Oxidation and Oxygen Reduction Reaction in Alkaline Media. Electroanalysis, 2020, 32, 1867-1874.	2.9	4
44	Temperature effect on graphite KS44. Journal of the Serbian Chemical Society, 2003, 68, 119-130.	0.8	4
45	Magnetic memory effect in hollandite-type Î±-K MnO2 monocrystalline nanorods. Journal of Alloys and Compounds, 2020, 820, 153406.	5.5	3
46	Ground-state magnetism of chromium-substituted LiMn2O4 spinel. Journal of Magnetism and Magnetic Materials, 2008, 320, 943-949.	2.3	2
47	Electrochemical behavior of nanostructured MnO2/C (VulcanÂ®) composite in aqueous electrolyte LiNO3. Hemijska Industrija, 2011, 65, 287-293.	0.7	1