

Erdinc Oz

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

226
citations

1307594

7
h-index

1058476

14
g-index

24
all docs

24
docs citations

24
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth mechanism and magnetic and electrochemical properties of Na _{0.44} MnO ₂ nanorods as cathode material for Na-ion batteries. <i>Materials Characterization</i> , 2015, 105, 104-112.	4.4	39
2	Electrochemical effects and magnetic properties of B substituted LiCoO ₂ : Improving Li-battery performance. <i>Journal of Alloys and Compounds</i> , 2016, 657, 835-847.	5.5	28
3	Ring-expanded iridium and rhodium <i>N</i> -heterocyclic carbene complexes: a comparative DFT study of heterocycle ring size and metal center diversity. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1270-1284.	2.2	20
4	X-ray Raman spectroscopy of lithium-ion battery electrolyte solutions in a flow cell. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 537-542.	2.4	20
5	Enhancement of battery performance of LiMn ₂ O ₄ : correlations between electrochemical and magnetic properties. <i>RSC Advances</i> , 2016, 6, 43823-43831.	3.6	17
6	Thermally Induced Spin State Transition in LiCoO ₂ and Its Effects on Battery Performance. <i>Electrochimica Acta</i> , 2017, 248, 449-453.	5.2	12
7	Investigations of the capacity fading mechanism of Na _{0.44} MnO ₂ via ex situ XAS and magnetization measurements. <i>Dalton Transactions</i> , 2018, 47, 17102-17108.	3.3	11
8	Magnetic and thermoelectric properties of B-substituted NaCoO ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1187-1196.	2.3	8
9	Cationic versus anionic Pt complex: The performance analysis of a hybrid-capacitor, DFT calculation and electrochemical properties. <i>Polyhedron</i> , 2019, 157, 434-441.	2.2	8
10	Synthesis of Na ₂ Ti ₃ O ₇ nanorods by a V-assisted route and investigation of their battery performance. <i>CrystEngComm</i> , 2020, 22, 2483-2490.	2.6	8
11	Structural, magnetic, electrical, and electrochemical properties of Sr _{1-x} Co _x Ru _{1-x} O: A hybrid capacitor application. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4572-4581.	3.8	7
12	Investigation of hybrid capacitor properties of ruthenium complexes. <i>International Journal of Energy Research</i> , 2019, 43, 6840.	4.5	7
13	Investigation of Ti substitution effects on structural and electrochemical properties of Na _{0.67} Mn _{0.5} Fe _{0.5} O ₂ battery cells. <i>International Journal of Energy Research</i> , 2020, 44, 11794-11806.	4.5	7
14	Magnetic Properties and Environmental Temperature Effects on Battery Performance of Na _{0.67} Mn _{0.5} Fe _{0.5} O ₂ . <i>Energy Technology</i> , 2021, 9, 2001130.	3.8	7
15	Thermoelectric and mechanical properties of Mg _{1-x} Al _x Sb alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1023-1032.	2.2	5
16	Synthesis of ultra-thin nanobristles of Na-Mn-O compounds and their magnetic and structural properties. <i>Ceramics International</i> , 2016, 42, 17059-17066.	4.8	5
17	Structural and magnetic properties of Ni _{2-x} CoxMnSb (x: 0.00, 0.25, 0.50 and 1.00) Heusler alloys: The relationship between Curie temperature and lattice parameter. <i>Intermetallics</i> , 2019, 111, 106491.	3.9	4
18	Structural and magnetic characterisation of Co substituted Ni ₂ MnSb Heusler alloy: effect of cobalt substitution on magnetism and Curie temperature. <i>Philosophical Magazine</i> , 2021, 101, 242-256.	1.6	4

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19	Surface Propensity of Anions in a Binary Ionic-Liquid Mixture Assessed by Full-Range Angle-Resolved X-ray Photoelectron Spectroscopy and Surface-Tension Measurements. ChemPhysChem, 2020, 21, 2397-2401.	2.1	3
20	Magnetic and microstructural properties of LiCrO ₂ .Cr ₂ O ₃ system by doping of the boron ions. Journal of Materials Science: Materials in Electronics, 2015, 26, 9178-9184.	2.2	2
21	LiNi _{0.8} Co _{0.15} Ti _{0.05} O ₂ : synthesis by solid state reaction and investigation of structural and electrochemical properties with enhanced battery performance. Journal of Materials Science: Materials in Electronics, 2020, 31, 20527-20538.	2.2	2
22	Thermal and mechanical properties of La-Al-Sb alloys. Journal of Materials Science: Materials in Electronics, 2014, 25, 5331-5337.	2.2	1
23	Localized X-ray photoelectron impedance spectroscopy (LoXPIS) for capturing charge dynamics of an ionic liquid electrolyte within an energy storage device. Faraday Discussions, 2022, 236, 86-102.	3.2	1
24	Microstructural and Dielectric Properties of Naphthalene Based Polyamide/ Ni(OH) ₂ Nanocomposites. Micro and Nanosystems, 2018, 10, 47-56.	0.6	0