

I Prakash

List of Publications by Year in descending order

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14
papers

291
citations

933447

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#	ARTICLE	IF	CITATIONS
1	Capacity fading mechanism of Li ₂ O loaded NiFe ₂ O ₄ /SiO ₂ aerogel anode for lithium-ion battery: Ex-situ XPS analysis. Applied Surface Science, 2021, 535, 147677.	6.1	55
2	Li ₂ FeSiO ₄ /C aerogel: A promising nanostructured cathode material for lithium-ion battery applications. Journal of Alloys and Compounds, 2021, 887, 161341.	5.5	14
3	Ion and electron-conducting additive effect on Li-ion charge storage performance of CuFe ₂ O ₄ /SiO ₂ composite aerogel anode. Ceramics International, 2020, 46, 25330-25340.	4.8	5
4	Lithium-ion doped NiFe ₂ O ₄ /SiO ₂ nanocomposite aerogel for advanced energy storage devices. Applied Surface Science, 2018, 449, 542-550.	6.1	36
5	Synthesis, characterization and electrical properties of Li ₂ NiFe ₂ O ₄ /NiFe ₂ O ₄ nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 18610-18619.	2.2	9
6	Binder effect on the battery performance of mesoporous copper ferrite nanoparticles with grain boundaries as anode materials. RSC Advances, 2014, 4, 44089-44099.	3.6	22
7	Electrical conductivity studies of nanocrystalline lanthanum silicate synthesized by sol-gel route. Journal of Alloys and Compounds, 2011, 509, 1138-1145.	5.5	20
8	Preparation, characterization and electrical conductivity studies of nanocrystalline La doped BaMoO ₄ . Materials Research Bulletin, 2011, 46, 32-41.	5.2	18
9	Preparation and characterization of nanocrystalline CoFe ₂ O ₄ deposited on SiO ₂ : in situ sol-gel process. Journal of Sol-Gel Science and Technology, 2011, 58, 24-32.	2.4	13
10	Synthesis of SiO ₂ •CoFe ₂ O ₄ nanocomposite by Base Catalyst Assisted In-situ Sol-Gel Process. , 2010, , .		1
11	Sol-gel synthesis and characterization of Li ₂ O•As ₂ O ₅ •SiO ₂ glassy system. Materials Chemistry and Physics, 2008, 111, 24-28.	4.0	15
12	AC Conductivity and Electrical Modulus Studies on Lithium Vanadophosphate Glasses. Journal of the American Ceramic Society, 2007, 90, 125-131.	3.8	20
13	Preparation and characterization of nanocrystallite size cuprous oxide. Materials Research Bulletin, 2007, 42, 1619-1624.	5.2	58
14	Preparation of NiAl ₂ O ₄ /SiO ₂ and Co ²⁺ -Doped NiAl ₂ O ₄ /SiO ₂ Nanocomposites by the Sol-Gel Route. Journal of the American Ceramic Society, 2006, 89, 060427083300002-???	3.8	5