

Niraj Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

305
citations

933447

10
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and phase tuning of $\hat{1}\pm$ - and $\hat{1}^2$ - $\text{MnO}_{2\langle\text{sub}\rangle 2\langle\text{sub}\rangle}$ nanocacti evolved at varying modes of acid count for their well-coordinated energy storage and visible-light-driven photocatalytic behaviour. RSC Advances, 2017, 7, 25041-25053.	3.6	51
2	Facile synthesis of 2D graphene oxide sheet enveloping ultrafine 1D LiMn_2O_4 as interconnected framework to enhance cathodic property for Li-ion battery. Applied Surface Science, 2019, 463, 132-140.	6.1	49
3	Enhanced pseudocapacitance from finely ordered pristine $\hat{1}\pm$ - MnO_2 nanorods at favourably high current density using redox additive. Applied Surface Science, 2018, 449, 492-499.	6.1	47
4	Morphological analysis of ultra fine $\hat{1}\pm$ - MnO_2 nanowires under different reaction conditions. Materials Letters, 2015, 158, 309-312.	2.6	31
5	One-pot synthesis and first-principles elasticity analysis of polymorphic $\text{MnO}_{2\langle\text{sub}\rangle 2\langle\text{sub}\rangle}$ nanorods for tribological assessment as friction modifiers. RSC Advances, 2017, 7, 34138-34148.	3.6	25
6	Facile size-controllable synthesis of single crystalline $\hat{1}^2$ - $\text{MnO}_{2\langle\text{sub}\rangle 2\langle\text{sub}\rangle}$ nanorods under varying acidic strengths. RSC Advances, 2016, 6, 7448-7454.	3.6	24
7	Precise control of morphology of ultrafine LiMn_2O_4 nanorods as a supercapacitor electrode via a two-step hydrothermal method. CrystEngComm, 2018, 20, 5707-5717.	2.6	22
8	Synergistically advancing Li storage property of hydrothermally grown 1D pristine MnO_2 over a mesh-like interconnected framework of 2D graphene oxide. Journal of Solid State Electrochemistry, 2019, 23, 1443-1454.	2.5	18
9	Redox additive electrolyte assisted promising pseudocapacitance from strictly 1D and 2D blended structures of MnO_2/rGO . Materials Characterization, 2022, 189, 111991.	4.4	18
10	Morphological reduction of $\text{Fe}_{3\langle\text{sub}\rangle 3\langle\text{sub}\rangle}\text{O}_{4\langle\text{sub}\rangle 4\langle\text{sub}\rangle}$ by a single-step hydrothermal synthesis using 1D $\text{MnO}_{2\langle\text{sub}\rangle 2\langle\text{sub}\rangle}$ as a template and its supercapacitive behaviour. CrystEngComm, 2022, 24, 4611-4621.	2.6	14
11	Ultrasound-assisted synthesis of rGO supported NiO-TiO ₂ nanocomposite: An efficient superior sonophotocatalyst under diffused sunlight. Journal of Environmental Chemical Engineering, 2022, 10, 107701.	6.7	5
12	Charge transport in a zigzag silicene nanoribbon. , 2013, , .		1