

Samrat Sarkar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10843693/publications.pdf>

Version: 2024-02-01

20
papers

1,032
citations

567281

15
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and opportunities for supercapacitors. <i>APL Materials</i> , 2019, 7, .	5.1	257
2	Recent Progress in Advanced Organic Electrode Materials for Sodium-Ion Batteries: Synthesis, Mechanisms, Challenges and Perspectives. <i>Advanced Functional Materials</i> , 2020, 30, 1908445.	14.9	173
3	A review of carbon dots and their composite materials for electrochemical energy technologies. , 2021, 3, 795-826.		77
4	Co ₃ O ₄ Nanowires on Flexible Carbon Fabric as a Binder-Free Electrode for All Solid-State Symmetric Supercapacitor. <i>ACS Omega</i> , 2017, 2, 4216-4226.	3.5	76
5	Novel Quaternary Chalcogenide/Reduced Graphene Oxide-Based Asymmetric Supercapacitor with High Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22652-22664.	8.0	69
6	Topological Insulator Bi ₂ Se ₃ /Si-Nanowire-Based p-n Junction Diode for High-Performance Near-Infrared Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22788-22798.	8.0	66
7	Self-sacrificial template directed hydrothermal route to kesterite-Cu ₂ ZnSnS ₄ microspheres and study of their photo response properties. <i>CrystEngComm</i> , 2014, 16, 2634.	2.6	50
8	Optical and thermoelectric properties of chalcogenide based Cu ₂ NiSnS ₄ nanoparticles synthesized by a novel hydrothermal route. <i>Materials Letters</i> , 2015, 152, 155-158.	2.6	47
9	Ultrasound assisted catalytic degradation of textile dye under the presence of reduced Graphene Oxide enveloped Copper Phthalocyanine nanotube. <i>Applied Surface Science</i> , 2018, 449, 113-121.	6.1	32
10	Recent Progress in Amorphous Carbon-Based Materials for Anodes of Sodium-Ion Batteries: Synthesis Strategies, Mechanisms, and Performance. <i>ChemSusChem</i> , 2021, 14, 3693-3723.	6.8	32
11	Recent advances in semimetallic pnictogen (As, Sb, Bi) based anodes for sodium-ion batteries: Structural design, charge storage mechanisms, key challenges and perspectives. <i>Nano Research</i> , 2021, 14, 3690-3723.	10.4	30
12	Hierarchical Assembly of MnO ₂ Nanosheet on CuCo ₂ O ₄ Nanoflake over Fabric Scaffold for Symmetric Supercapacitor. <i>ACS Applied Nano Materials</i> , 2021, 4, 1420-1433.	5.0	24
13	Flower-like Cu ₂ NiSnS ₄ microspheres for application as electrodes of asymmetric supercapacitors endowed with high energy density. <i>CrystEngComm</i> , 2018, 20, 1443-1454.	2.6	20
14	rGO-Wrapped flowerlike Bi ₂ Se ₃ nanocomposite: synthesis, experimental and simulation-based investigation on cold cathode applications. <i>RSC Advances</i> , 2016, 6, 25900-25912.	3.6	17
15	Band edge tuned Zn _x Cd _{1-x} S solid solution nanopowders for efficient solar photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29998-30009.	2.8	16
16	Flexible, transparent resistive switching device based on topological insulator Bi ₂ Se ₃ -organic composite. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	16
17	Sodium-Ion Batteries: Recent Progress in Advanced Organic Electrode Materials for Sodium-Ion Batteries: Synthesis, Mechanisms, Challenges and Perspectives (<i>Adv. Funct. Mater.</i> 11/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070071.	14.9	12
18	A novel Mo ₈ Nb ₆ O ₄₈ @NCs egg-nest composite structure as superior anode material for lithium-ion storage. <i>Rare Metals</i> , 2022, 41, 2645-2654.	7.1	9

#	ARTICLE	IF	CITATIONS
19	Photocatalytic and sonocatalytic dye degradation by sulfur vacancy rich ZnS nanopowder. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	8
20	Enhanced electron emission from ternary solid solution-MWCNT hybrid with theoretical validation. Materials Science in Semiconductor Processing, 2021, 127, 105674.	4.0	1