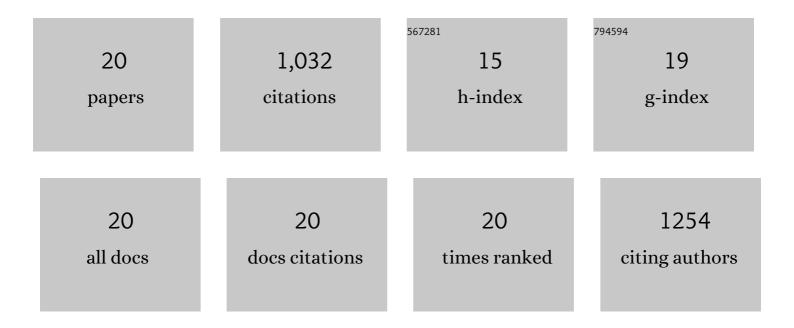
Samrat Sarkar

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Challenges and opportunities for supercapacitors. APL Materials, 2019, 7, .	5.1	257
2	Recent Progress in Advanced Organic Electrode Materials for Sodiumâ€Ion Batteries: Synthesis, Mechanisms, Challenges and Perspectives. Advanced Functional Materials, 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. ACS Omega, 2017, 2, 4216-4226.	3.5	76
5	Novel Quaternary Chalcogenide/Reduced Graphene Oxide-Based Asymmetric Supercapacitor with High Energy Density. ACS Applied Materials & Interfaces, 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. ACS Applied Materials & Interfaces, 2017, 9, 22788-22798.	8.0	66
7	Self-sacrificial template directed hydrothermal route to kesterite-Cu2ZnSnS4 microspheres and study of their photo response properties. CrystEngComm, 2014, 16, 2634.	2.6	50
8	Optical and thermoelectric properties of chalcogenide based Cu2NiSnS4 nanoparticles synthesized by a novel hydrothermal route. Materials Letters, 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. Applied Surface Science, 2018, 449, 113-121.	6.1	32
10	Recent Progress in Amorphous Carbonâ€Based Materials for Anodes of Sodiumâ€Ion Batteries: Synthesis Strategies, Mechanisms, and Performance. ChemSusChem, 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. Nano Research, 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. ACS Applied Nano Materials, 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. CrystEngComm, 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. RSC Advances, 2016, 6, 25900-25912.	3.6	17
15	Band edge tuned Zn _x Cd _{1â^'x} S solid solution nanopowders for efficient solar photocatalysis. Physical Chemistry Chemical Physics, 2017, 19, 29998-30009.	2.8	16
16	Flexible, transparent resistive switching device based on topological insulator Bi2Se3-organic composite. Journal of Applied Physics, 2018, 124, .	2.5	16
17	Sodiumâ€lon Batteries: Recent Progress in Advanced Organic Electrode Materials for Sodiumâ€lon Batteries: Synthesis, Mechanisms, Challenges and Perspectives (Adv. Funct. Mater. 11/2020). Advanced Functional Materials, 2020, 30, 2070071.	14.9	12
18	A novel Mo8.7Nb6.1Ox@NCs egg-nest composite structure as superior anode material for lithium-ion storage. Rare Metals, 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