

Pinki Rani Agrawal

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,716
citations

394421

19
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotube incorporated eucalyptus derived activated carbon-based novel adsorbent for efficient removal of methylene blue and eosin yellow dyes. <i>Bioresource Technology</i> , 2022, 344, 126231.	9.6	47
2	A process for developing spherical graphite from coal tar as high performing carbon anode for Li-ion batteries. <i>Materials Chemistry and Physics</i> , 2022, 281, 125836.	4.0	7
3	International interlaboratory comparison of Raman spectroscopic analysis of CVD-grown graphene. <i>2D Materials</i> , 2022, 9, 035010.	4.4	7
4	Current scenario of heavy metal contamination in water. , 2021, , 49-64.		9
5	Rapid adsorption of arsenate from water on a novel hybrid of zirconia oxide anchored rGO functionalised carbon foam. <i>Colloids and Interface Science Communications</i> , 2021, 40, 100350.	4.1	5
6	Relevance of graphene oxide as nanofiller for geometrical variation in unidirectional carbon fiber/epoxy composite. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50985.	2.6	6
7	Free-standing flexible multiwalled carbon nanotubes paper for wearable thermoelectric power generator. <i>Journal of Power Sources</i> , 2020, 449, 227493.	7.8	38
8	Synergistic bridging effects of graphene oxide and carbon nanotube on mechanical properties of aramid fiber reinforced polycarbonate composite tape. <i>Composites Science and Technology</i> , 2020, 199, 108370.	7.8	34
9	Configuring the Porosity and Microstructure of Carbon Paper Electrode Using Pore Formers and Its Influence on the Performance of PEMFC. <i>Energy & Fuels</i> , 2020, 34, 16736-16745.	5.1	14
10	Fabrication of lightweight and porous silicon carbide foams as excellent microwave susceptor for heat generation. <i>Materials Chemistry and Physics</i> , 2020, 253, 123211.	4.0	5
11	Advanced Materials for Strategic and Societal Applications. , 2020, , 811-879.		1
12	Multi-component framework derived SiC composite paper to support efficient thermal transport and high EMI shielding performance. <i>Composites Part B: Engineering</i> , 2019, 176, 107123.	12.0	20
13	Creation of uniformly dispersed nitrogen-vacancy centers in nano-diamonds by low energy ion-irradiation. <i>Materials Research Express</i> , 2019, 6, 115097.	1.6	2
14	Multiwall carbon nanotubes tailored porous carbon fiber paper-based gas diffusion layer performance in polymer electrolyte membrane fuel cell. <i>Renewable Energy</i> , 2019, 142, 604-611.	8.9	28
15	Improved static and dynamic mechanical properties of multiscale bucky paper interleaved Kevlar fiber composites. <i>Carbon</i> , 2019, 152, 631-642.	10.3	37
16	The removal of pentavalent arsenic by graphite intercalation compound functionalized carbon foam from contaminated water. <i>Journal of Hazardous Materials</i> , 2019, 377, 274-283.	12.4	31
17	Surface modified exfoliated graphite as a novel adsorbent for de-fluoridation of drinking water. <i>Materials Research Express</i> , 2019, 6, 085605.	1.6	10
18	Lightweight, high electrical and thermal conducting carbon-rGO composites foam for superior electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , 2019, 160, 131-139.	12.0	86

#	ARTICLE	IF	CITATIONS
19	Multiwall carbon nanotube embedded phenolic resin-based carbon foam for the removal of As (V) from contaminated water. <i>Materials Research Express</i> , 2018, 5, 035601.	1.6	13
20	Engineering novel synthetic strategy to develop mesocarbon microbeads for multi-functional applications. <i>Materials Research Express</i> , 2018, 5, 045011.	1.6	3
21	Enhanced thermomechanical and electrical properties of multiwalled carbon nanotube paper reinforced epoxy laminar composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 104, 129-138.	7.6	50
22	Excellent mechanical properties of long multiwalled carbon nanotube bridged Kevlar fabric. <i>Carbon</i> , 2018, 137, 104-117.	10.3	76
23	Integration of MCMBs/MWCNTs with Fe ₃ O ₄ in a flexible and light weight composite paper for promising EMI shielding applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 322-332.	5.5	94
24	Lightweight and Easily Foldable MCMB-MWCNTs Composite Paper with Exceptional Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10600-10608.	8.0	188
25	Three-dimensional and highly ordered porous carbon-MnO ₂ composite foam for excellent electromagnetic interference shielding efficiency. <i>RSC Advances</i> , 2016, 6, 100713-100722.	3.6	53
26	Novel 3D lightweight carbon foam as an effective adsorbent for arsenic(As^{V}) removal from contaminated water. <i>RSC Advances</i> , 2016, 6, 29899-29908.	3.6	25
27	MnO ₂ decorated graphene nanoribbons with superior permittivity and excellent microwave shielding properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4256.	10.3	214
28	Improved nanoindentation and microwave shielding properties of modified MWCNT reinforced polyurethane composites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9138.	10.3	282
29	An approach to produce single and double layer graphene from re-exfoliation of expanded graphite. <i>Carbon</i> , 2011, 49, 1946-1954.	10.3	136
30	Expanded graphite-based electrically conductive composites as bipolar plate for PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 7146-7152.	7.1	127
31	Synthesis of Silicon Carbide Whiskers from Substituted Silicon Alkoxides and Rayon Fibres. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 25, 175-179.	2.4	7
32	Catalytic effect of iron oxide on carbon/carbon composites during graphitization. <i>Carbon</i> , 1997, 35, 1753-1756.	10.3	58