Manoj B

List of Publications by Year
in descending order

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68	856	471061	580395
papers	citations	17 h-index	25 g-index

69	69	69	695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibacterial efficiency of carbon dots against Gram-positive and Gram-negative bacteria: A review. Journal of Environmental Chemical Engineering, 2021, 9, 106821.	3.3	68
2	A comprehensive analysis of various structural parameters of Indian coals with the aid of advanced analytical tools. International Journal of Coal Science and Technology, 2016, 3, 123-132.	2.7	51
3	Facile synthesis of graphene-tin oxide nanocomposite derived from agricultural waste for enhanced antibacterial activity against Pseudomonas aeruginosa. Scientific Reports, 2019, 9, 4170.	1.6	50
4	Role of Infrared Spectroscopy in Coal Analysisâ€"An Investigation. American Journal of Analytical Chemistry, 2014, 05, 367-372.	0.3	43
5	An Investigation on Structural, Electrical and Optical properties of GO/ZnO Nanocomposite. International Journal of Electrochemical Science, 2019, 14, 3752-3763.	0.5	35
6	Tunable direct band gap photoluminescent organic semiconducting nanoparticles from lignite. Scientific Reports, 2017, 7, 18012.	1.6	32
7	Structural Characterization of Selected Indian Coals by X-ray Diffraction and Spectroscopic Techniques. Trends in Applied Sciences Research, 2012, 7, 434-444.	0.4	29
8	Investigation of nanocrystalline structure in selected carbonaceous materials. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 940-946.	2.4	26
9	Crumpled and porous graphene for supercapacitor applications: a short review. Carbon Letters, 2021, 31, 537.	3.3	24
10	Synthesis and characterization of porous, mixed phase, wrinkled, few layer graphene like nanocarbon from charcoal. Russian Journal of Physical Chemistry A, 2015, 89, 2438-2442.	0.1	23
11	Tailoring of low grade coal to fluorescent nanocarbon structures and their potential as a glucose sensor. Scientific Reports, 2018, 8, 13891.	1.6	22
12	Extraction and Characterization of Wrinkled Graphene Nanolayers from Commercial Graphite. Asian Journal of Chemistry, 2016, 28, 1031-1034.	0.1	21
13	Wrinkled graphene: synthesis and characterization of few layer graphene-like nanocarbons from kerosene. Materials Science-Poland, 2016, 34, 330-336.	0.4	20
14	Systematic investigations of graphene layers in sub-bituminous coal. Russian Journal of Applied Chemistry, 2014, 87, 1726-1733.	0.1	19
15	Structural characterization of graphene layers in various Indian coals by X-Ray Diffraction technique. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012096.	0.3	18
16	Surface modified graphene/SnO2 nanocomposite from carbon black as an efficient disinfectant against Pseudomonas aeruginosa. Materials Chemistry and Physics, 2019, 232, 137-144.	2.0	18
17	Mesoporous onion-like carbon nanostructures from natural oil for high-performance supercapacitor and electrochemical sensing applications: Insights into the post-synthesis sonochemical treatment on the electrochemical performance. Ultrasonics Sonochemistry, 2021, 79, 105767.	3.8	18
18	Novel carbon nano-onions from paraffinum liquidum for rapid and efficient removal of industrial dye from wastewater. Environmental Science and Pollution Research, 2020, 27, 43845-43864.	2.7	17

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19	Probing the Nature of Defects of Graphene like Nano-Carbon from Amorphous Materials by Raman Spectroscopy. Asian Journal of Chemistry, 2016, 28, 1501-1504.	0.1	17
20	Chemical Leaching of Low Rank Coal and its Characterization using SEM/EDAX and FTIR. Journal of Minerals and Materials Characterization and Engineering, 2009, 08, 821-832.	0.1	17
21	Chemical leaching of an Indian bituminous coal and characterization of the products by vibrational spectroscopic techniques. International Journal of Minerals, Metallurgy and Materials, 2012, 19, 279-283.	2.4	16
22	Biowaste derived graphene quantum dots interlaced with SnO2 nanoparticles â€“ a dynamic disinfection agent against Pseudomonas aeruginosa. New Journal of Chemistry, 2019, 43, 13681-13689.	1.4	16
23	Green Luminescence and Irradiance Properties of Carbon Dots Cross-linked with Polydimethylsiloxane. Journal of Physical Chemistry C, 2019, 123, 19835-19843.	1.5	16
24	Superior charge discharge ability of reduced graphene oxide/Li-ion embedded polymer composite films. Journal of Materials Science: Materials in Electronics, 2019, 30, 2136-2145.	1.1	16
25	Graphitization of Coal by Bio-Solubilization: Structure Probe by Raman Spectroscopy. Asian Journal of Chemistry, 2016, 28, 1557-1560.	0.1	15
26	Characterization of Nano-Crystalline Carbon from Camphor and Diesel by X-ray Diffraction Technique. Asian Journal of Chemistry, 2014, 26, 4553-4556.	0.1	13
27	FT-Raman Spectroscopic Study of Indian Bituminous and Sub-bitumionus Coal. Asian Journal of Materials Science, 2010, 2, 204-210.	0.6	13
28	Study of Changes to the Organic Functional Groups of a High Volatile Bituminous Coal during Organic Acid Treatment Process by FTIR Spectroscopy. Journal of Minerals and Materials Characterization and Engineering, 2013, 01, 39-43.	0.1	13
29	Coal-Based Fluorescent Zero-Dimensional Carbon Nanomaterials: A Short Review. Energy & Fuels, 2020, 34, 13291-13306.	2.5	12
30	Extraction of Graphene Nanostructures from Colocasia esculenta and Nelumbo nucifera Leaves and Surface Functionalization with Tin Oxide: Evaluation of Their Antibacterial Properties. Chemistry - A European Journal, 2020, 26, 8105-8114.	1.7	12
31	Fluorescent Mechanism in Zero-Dimensional Carbon Nanomaterials: A Review. Journal of Fluorescence, 2022, 32, 887-906.	1.3	12
32	Valorization of agro-industrial fruit peel waste to fluorescent nanocarbon sensor: Ultrasensitive detection of potentially hazardous tropane alkaloid. Frontiers of Environmental Science and Engineering, 2021, 16, 1.	3.3	11
33	Opto-electric property relationship in phosphorus embedded nanocarbon. Results in Physics, 2018, 10, 633-639.	2.0	9
34	Antibacterial performance of GOâ€“Ag nanocomposite prepared via ecologically safe protocols. Applied Nanoscience (Switzerland), 2020, 10, 4207-4219.	1.6	9
35	Electrochemical efficacies of coal derived nanocarbons. International Journal of Coal Science and Technology, 2021, 8, 459-472.	2.7	9
36	Disorders in graphene: types, effects and control techniquesâ€”a review. Carbon Letters, 2022, 32, 431-450.	3.3	9

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37	Luminescence and energy storage characteristics of coke-based graphite oxide. Materials Chemistry and Physics, 2021, 257, 123854.	2.0	8
38	Synthesis and Characterization of sp²-sp³ Bonded Disordered Graphene Like Nanocarbon from Coconut Shell. Advanced Science, Engineering and Medicine, 2016, 8, 112-116.	0.3	8
39	Facile synthesis of preformed mixed nano-carbon structure from low rank coal. Materials Science-Poland, 2018, 36, 14-20.	0.4	8
40	Cost-effective route to nanodiamonds from low-rank coal and their fluorescent & dielectric characteristics. Ceramics International, 2022, 48, 887-895.	2.3	7
41	Nanomaterials-Based Chemical Sensing. Materials Horizons, 2022, , 131-147.	0.3	6
42	Facile Synthesis of Few-Layer Graphene Oxide from Cinnamomum camphora. Nanobiotechnology Reports, 2021, 16, 183-187.	0.2	5
43	Fluorescent PVDF dots: from synthesis to biocidal activity. Polymer Bulletin, 2023, 80, 411-428.	1.7	5
44	Synthesis of emeraldine PANI polymer-reduced graphene and its use as polyelectrolyte. Polymer Bulletin, 2020, 77, 4023-4041.	1.7	4
45	Flexible polymer composite films incorporated with Li-ion/reduced graphene oxide: excellent optical and photoluminescence performance. Applied Nanoscience (Switzerland), 2020, 10, 401-410.	1.6	4
46	Impedance, Electrical and Dielectric behaviour of Tin Oxide Nanoparticle doped with Graphite, Graphene Oxide and Reduced Graphene Oxide. International Journal of Electrochemical Science, 2021, 16, 210810.	0.5	4
47	Biosynthesized Ag Nanoparticles: a Promising Pathway for Bandgap Tailoring. Biointerface Research in Applied Chemistry, 2020, 11, 8875-8883.	1.0	4
48	Characterization of nanocarbon based electrode material derived from anthracite coal. Materials Research Express, 2019, 6, 125624.	0.8	3
49	Effect of Temperature on Electrical Properties of Reduced Graphene Oxide (rGO)/Li-ion Embedded Flexible Solid Polymer Electrolyte Films. Materials Today: Proceedings, 2020, 24, 2250-2254.	0.9	3
50	Extraction and Characterization of Preformed Mixed Phase Graphene Sheets from Graphitized Sub-Bituminous Coal. Asian Journal of Chemistry, 2017, 29, 2425-2428.	0.1	2
51	Synthesis of Nano-Crystalline Tin Dioxide and its Effect on Calcination. Asian Journal of Chemistry, 2017, 29, 875-878.	0.1	2
52	Synthesis of Graphene Oxide Nano Structures from Kerosene Soot and its Impedance Analysis. Asian Journal of Chemistry, 2018, 30, 988-992.	0.1	2
53	Analytical Study of Two Differently Ranked Coals Using UV-VIS-NIR Spectroscopy. Journal of Minerals and Materials Characterization and Engineering, 2011, 10, 905-911.	0.1	2
54	Quantifying the role of nanocarbon fillers on dielectric properties of poly(vinylidene fluoride) matrix. Polymers and Polymer Composites, 2022, 30, 096739112210875.	1.0	2

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55	Raman Spectrum of Graphite Layers in Indian Coal. , 2011, , .		1
56	Impedance and electrochemical studies of rGO/Li-ion/PANI intercalated polymer electrolyte films for energy storage application. Materials Today: Proceedings, 2020, 24, 2108-2114.	0.9	1
57	Synthesis and Characterization of Carbon Nanomaterial Derived from Anthracite. Materials Today: Proceedings, 2020, 24, 2352-2357.	0.9	1
58	Dielectric performance of graphene nanostructures prepared from naturally sourced material. Materials Today: Proceedings, 2021, 43, 3424-3427.	0.9	1
59	Diffuse Reflectance Spectra of Coals in the UV-Visible and Near-IR Regions. Mapana Journal of Sciences, 2010, 9, 1-5.	0.0	1
60	Chemical Solubilization of Coal using HF and Characterization of Products by FTIR, FT Raman, SEM and Elemental Analysis. Journal of Minerals and Materials Characterization and Engineering, 2010, 09, 919-928.	0.1	1
61	Extraction of Preformed Mixed Phase Graphene Sheets from Graphitized Coal by Fungal Leaching. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 287-299.	0.3	1
62	Tailoring of Energy Band Gap inGraphene-like System by Fluorination. Mapana Journal of Sciences, 2019, 18, 55-66.	0.0	1
63	Synthesis of nanocarbonâ€“polyaniline composite and investigation of its optical and electrical properties. , 2019, , 589-600.		0
64	Characterization of Coal Samples from Godavari Kani Deposits Using Fourier Transform Infrared Spectroscopy. Mapana Journal of Sciences, 2008, 7, 41-50.	0.0	0
65	Characterization of Low-temperature Coal Ash Behaviour under Atmospheric Pressure. Mapana Journal of Sciences, 2008, 7, 70-77.	0.0	0
66	Extraction of carbonyl, carboxyl functional groups and silicate minerals from coal and its characterization using infrared spectroscopy. Mapana Journal of Sciences, 2009, 8, 1-9.	0.0	0
67	Effect of Leaching High Ash Coal by Hydrofluoric Acid and EDTA on Removal of Mineral Matter and Sulphur. Mapana Journal of Sciences, 2009, 8, 29-37.	0.0	0
68	Efficient Synthesis of Oxygen-Studded Graphene Nanolayers Possessing Tunable Photoluminescence from Hearthside Waste. , 2018, , 181-190.		0