

Iftikhar Ali

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,383
citations

279798

23
h-index

345221

36
g-index

49
all docs

49
docs citations

49
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient heating-induced bi-phase synthesis of carbon quantum dots (CQDs) on graphene-coated carbon cloth for efficient photoelectrocatalysis. <i>Carbon</i> , 2022, 196, 649-662.	10.3	22
2	Characterization of Etched Graphite Nanoplates and Their Nonwoven Electrode Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 061005.	1.8	1
3	Impact of types of orthophthalic unsaturated polyester matrix on tensile strength of woven roving fibers as reinforcement. <i>Journal of Industrial Textiles</i> , 2021, 50, 1006-1019.	2.4	1
4	Microwave-assisted ultrafast in-situ growth of N-doped carbon quantum dots on multiwalled carbon nanotubes as an efficient electrocatalyst for photovoltaics. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 349-361.	9.4	32
5	Zeolite and short-cut fiber-based wet-laid filter media for particles and heavy metal ion removal of wastewater. <i>Journal of Industrial Textiles</i> , 2021, 50, 1475-1492.	2.4	8
6	Improved photocatalytic activity of nonwoven fabric coated with graphene by a novel elevated temperature padding method. <i>Materials Chemistry and Physics</i> , 2021, 262, 124294.	4.0	7
7	Facile Preparation of a Wet-Laid Based Graphite Nanoplate and Polyethylene Terephthalate Staple Fiber Composite for Textile-Structured Rollable Electronics. <i>Journal of Electronic Materials</i> , 2021, 50, 5433-5441.	2.2	3
8	Unraveling the surface states related Stokes shift dependent electrocatalytic activity of N-doped carbon quantum dots for photovoltaic applications. <i>Carbon</i> , 2021, 181, 155-168.	10.3	23
9	Graphene quantum dots induced porous orientation of holey graphene nanosheets for improved electrocatalytic activity. <i>Carbon</i> , 2021, 171, 493-506.	10.3	28
10	A rational design of low cost and flexible carbon composite dye sensitized solar cell. <i>Electrochimica Acta</i> , 2020, 344, 136050.	5.2	7
11	An all carbon dye sensitized solar cell: A sustainable and low-cost design for metal free wearable solar cell devices. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 386-401.	9.4	18
12	Synergistic effect of thermal and chemical reduction of graphene oxide at the counter electrode on the performance of dye-sensitized solar cells. <i>Solar Energy</i> , 2019, 190, 112-118.	6.1	17
13	Enhanced Electrical and Thermal Performance of Wet-Laid Based Graphite-Laminated Carbon Non-woven Composite. <i>Journal of Electronic Materials</i> , 2019, 48, 5710-5716.	2.2	2
14	Nonwoven Polyethylene Terephthalate Paper Loaded with Enzyme Coupled Multiwall Carbon Nanotubes for Superior Photocatalytic Activity for Water Remediation. <i>Fibers and Polymers</i> , 2019, 20, 770-778.	2.1	6
15	Self-assembled nitrogen-doped graphene quantum dots (N-GQDs) over graphene sheets for superb electro-photocatalytic activity. <i>Applied Surface Science</i> , 2019, 480, 1035-1046.	6.1	52
16	Optimisation of screen printing process for functional printing. <i>Pigment and Resin Technology</i> , 2019, 48, 456-463.	0.9	5
17	Fabrication of conductive and printable nano carbon ink for wearable electronic and heating fabrics. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 95-106.	9.4	32
18	Facile fabrication and comparative exploration of high cut resistant woven and knitted composite fabrics using Kevlar and polyethylene. <i>Fashion and Textiles</i> , 2018, 5, .	2.4	10

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19	Carbonous metallic framework of multi-walled carbon Nanotubes/Bi ₂ S ₃ nanorods as heterostructure composite films for efficient quasi-solid state DSSCs. <i>Electrochimica Acta</i> , 2018, 283, 997-1005.	5.2	25
20	Electrocatalytic porous nanocomposite of graphite nanoplatelets anchored with exfoliated activated carbon filler as counter electrode for dye sensitized solar cells. <i>Solar Energy</i> , 2018, 167, 95-101.	6.1	15
21	An organic route for the synthesis of cationic porous graphite nanomaterial used as photocatalyst and electrocatalyst for dye-sensitized solar cell. <i>Electrochimica Acta</i> , 2018, 266, 43-53.	5.2	9
22	A promising hybrid graphite counter electrode doped with fumed silica nano-spacers for efficient quasi-solid state dye sensitized solar cells. <i>Electrochimica Acta</i> , 2018, 261, 246-255.	5.2	16
23	An evidence for an organic N-doped multiwall carbon nanotube heterostructure and its superior electrocatalytic properties for promising dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8307-8322.	10.3	22
24	Fiber Quality Evaluation of Pakistan's Locally Developed Cotton Varieties for Yarn Manufacturing. <i>Journal of Natural Fibers</i> , 2018, 15, 344-352.	3.1	4
25	Advanced Hybrid Functional Materials for Energy Applications. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-2.	2.7	1
26	Synthesis of solution processed f-CNT@Bi ₂ S ₃ hybrid film coated linen fabric as a free-standing textile structured photo catalyst. <i>Applied Catalysis A: General</i> , 2018, 566, 87-95.	4.3	16
27	A complete carbon counter electrode for high performance quasi solid state dye sensitized solar cell. <i>Journal of Power Sources</i> , 2017, 343, 412-423.	7.8	33
28	Graphene nanosheets as counter electrode with phenoxazine dye for efficient dye sensitized solar cell. <i>Organic Electronics</i> , 2017, 44, 32-41.	2.6	12
29	Synthesis of highly photo-catalytic and electro-catalytic active textile structured carbon electrode and its application in DSSCs. <i>Solar Energy</i> , 2017, 150, 521-531.	6.1	43
30	A PVdF-based electrolyte membrane for a carbon counter electrode in dye-sensitized solar cells. <i>RSC Advances</i> , 2017, 7, 20908-20918.	3.6	30
31	Facile fabrication of activated charcoal decorated functionalized multi-walled carbon nanotube electro-catalyst for high performance quasi-solid state dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2017, 234, 53-62.	5.2	31
32	Enhanced ionic mobility and increased efficiency of dye-sensitized solar cell by adding lithium chloride in poly(vinylidene fluoride) nanofiber as electrolyte medium. <i>Journal of Materials Science</i> , 2017, 52, 13920-13929.	3.7	24
33	An electrocatalytic active lyocell fabric cathode based on cationically functionalized and charcoal decorated graphite composite for quasi-solid state dye sensitized solar cell. <i>Solar Energy</i> , 2017, 155, 110-120.	6.1	16
34	Flexible and conductive cotton fabric counter electrode coated with graphene nanosheets for high efficiency dye sensitized solar cell. <i>Journal of Power Sources</i> , 2016, 319, 90-98.	7.8	96
35	Citric acid based durable and sustainable flame retardant treatment for lyocell fabric. <i>Carbohydrate Polymers</i> , 2016, 153, 78-88.	10.2	41
36	Highly Functional TNTs with Superb Photocatalytic, Optical, and Electronic Performance Achieving Record PV Efficiency of 10.1% for 1D-Based DSSCs. <i>Small</i> , 2016, 12, 4508-4520.	10.0	32

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37	Fabrication of a flexible and conductive lyocell fabric decorated with graphene nanosheets as a stable electrode material. <i>Carbohydrate Polymers</i> , 2016, 152, 19-25.	10.2	41
38	Fabrication of textile fabric counter electrodes using activated charcoal doped multi walled carbon nanotube hybrids for dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1495-1505.	10.3	51
39	A Novel Activated-Charcoal-Doped Multiwalled Carbon Nanotube Hybrid for Quasi-Solid-State Dye-Sensitized Solar Cell Outperforming Pt Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7471-7482.	8.0	49
40	Highly efficient and durable dye-sensitized solar cells based on a wet-laid PET membrane electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 458-465.	10.3	45
41	Integrating high electrical conductivity and photocatalytic activity in cotton fabric by cationizing for enriched coating of negatively charged graphene oxide. <i>Carbohydrate Polymers</i> , 2015, 130, 299-306.	10.2	101
42	Multiwalled carbon nanotube coated polyester fabric as textile based flexible counter electrode for dye sensitized solar cell. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12957-12969.	2.8	66
43	Composite multi-functional over layer: A novel design to improve the photovoltaic performance of DSSC. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 141-149.	6.2	38
44	Graphene coated cotton fabric as textile structured counter electrode for DSSC. <i>Electrochimica Acta</i> , 2015, 173, 164-171.	5.2	126
45	Fabrication of highly electro catalytic active layer of multi walled carbon nanotube/enzyme for Pt-free dye sensitized solar cells. <i>Applied Surface Science</i> , 2015, 349, 174-183.	6.1	35
46	Hydrothermal synthesis of TiO ₂ nanotubes and their application as an over-layer for dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 23223.	3.6	68
47	Optimized Performance of Quasi-Solid-State DSSC with PEO-Bismaleimide Polymer Blend Electrolytes Filled with a Novel Procedure. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 9377-9382.	0.9	6
48	Enhanced Power Conversion Efficiency of Dye-Sensitized Solar Cells Using Nanoparticle/Nanotube Double Layered Film. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7938-7943.	0.9	17