Muhammad Bilal Qadir

List of Publications by Year
in descending order

40 papers	1,108 citations	430754 18 h-index	395590 33 g-index
40 all docs	40 docs citations	40 times ranked	1245 citing authors

#	Article	IF	Citations
1	Development of Kapok/Recycled-PET Blended Needle-Punched Thermal Waddings. Journal of Natural Fibers, 2022, 19, 1024-1032.	1.7	10
2	Optimizing the Auxetic Geometry Parameters in Few Yarns Based Auxetic Woven Fabrics for Enhanced Mechanical Properties Using Grey Relational Analysis. Journal of Natural Fibers, 2022, 19, 4594-4605.	1.7	6
3	Ecofriendly development of electrospun antibacterial membranes loaded with silver nanoparticles. Journal of Industrial Textiles, 2022, 51, 2412S-2425S.	1.1	7
4	Fabrication of Low-Twist and High-Strength Metallic Fibre Hybrid Spun Yarns. Applied Sciences (Switzerland), 2022, 12, 3413.	1.3	1
5	Advanced Fault-Tolerant Anti-Surge Control System of Centrifugal Compressors for Sensor and Actuator Faults. Sensors, 2022, 22, 3864.	2.1	7
6	Core Spun Based Helical Auxetic Yarn: A Novel Structure for Wearable Protective Textiles. Journal of Natural Fibers, 2022, 19, 15058-15070.	1.7	4
7	A novel ternary composite aerogel for high-performance supercapacitor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125644.	2.3	16
8	Optimized structure and electrochemical properties of sulfonated carbon nanotubes/Coâ€“Ni bimetallic layered hydroxide composites for high-performance supercapacitors. Ceramics International, 2021, 47, 4648-4658.	2.3	11
9	Development and characterization of biodegradable starch-based fibre by wet extrusion. Cellulose, 2021, 28, 2039-2051.	2.4	3
10	Development of optimized triaxially electrospun titania <scp>nanofiberâ€inâ€nanotube coreâ€shell</scp> structure. Journal of Applied Polymer Science, 2021, 138, 50562.	1.3	8
11	Synthesis of the novel binary composite of self-suspended polyaniline (S-PANI) and functionalized multi-walled carbon nanotubes for high-performance supercapacitors. Ionics, 2021, 27, 1743-1755.	1.2	10
12	Triaxial electrospun mixed-phased TiO2 nanofiber-in-nanotube structure with enhanced photocatalytic activity. Microporous and Mesoporous Materials, 2021, 320, 111104.	2.2	13
13	Enhanced filtration and comfort properties of nonwoven filtering facepiece respirator by the incorporation of polymeric nanoweb. Polymer Bulletin, 2020, 77, 5155-5173.	1.7	12
14	Electrical resistive heating characterization of conductive hybrid staple spun yarns. Journal of the Textile Institute, 2020, 111, 1481-1488.	1.0	8
15	Fabrication of Promising Antimicrobial Aloe Vera/PVA Electrospun Nanofibers for Protective Clothing. Materials, 2020, 13, 3884.	1.3	47
16	Effect of Elastane Parameters on the Dimensional and Mechanical Properties of Stretchable Denim Fabrics. Clothing and Textiles Research Journal, 2020, , 0887302X2096881.	2.2	0
17	Toothed wheel needleless electrospinning: a versatile way to fabricate uniform and finer nanomembrane. Journal of Materials Science, 2019, 54, 13834-13847.	1.7	26
18	Stealth technology: Methods and composite materialsâ€”A review. Polymer Composites, 2019, 40, 4457-4472.	2.3	74

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19	Processing of metallic fiber hybrid spun yarns for better electrical conductivity. Materials and Manufacturing Processes, 2019, 34, 1008-1015.	2.7	15
20	Influence of Yarn Manufacturing Techniques on Dyeing Behavior of Polyester/Cotton Blended Woven Fabrics. Fibers and Polymers, 2019, 20, 2550-2555.	1.1	2
21	Development and characterization of conductive ring spun hybrid yarns. Journal of the Textile Institute, 2019, 110, 141-150.	1.0	9
22	Bullet-Spinneret based needleless electrospinning; a versatile way to fabricate continuous nanowebs at low voltage. Materials Research Express, 2019, 6, 025053.	0.8	7
23	Development and Comfort Characterization of 2D-Woven Auxetic Fabric for Wearable and Medical Textile Applications. Clothing and Textiles Research Journal, 2018, 36, 199-214.	2.2	26
24	Response Surface Modeling of Physical and Mechanical Properties of Cotton Slub Yarns. Autex Research Journal, 2018, 18, 173-180.	0.6	5
25	Development and Mechanical Characterization of Weave Design Based 2D Woven Auxetic Fabrics for Protective Textiles. Fibers and Polymers, 2018, 19, 2431-2438.	1.1	26
26	Statistical analysis of yarn to metal frictional coefficient of cotton spun yarn using Taguchi design of experiment. Journal of Strain Analysis for Engineering Design, 2018, 53, 485-493.	1.0	10
27	A PVdF-based electrolyte membrane for a carbon counter electrode in dye-sensitized solar cells. RSC Advances, 2017, 7, 20908-20918.	1.7	30
28	Facile fabrication of activated charcoal decorated functionalized multi-walled carbon nanotube electro-catalyst for high performance quasi-solid state dye-sensitized solar cells. Electrochimica Acta, 2017, 234, 53-62.	2.6	31
29	Flexible and conductive cotton fabric counter electrode coated with graphene nanosheets for high efficiency dye sensitized solar cell. Journal of Power Sources, 2016, 319, 90-98.	4.0	96
30	Highly Functional TNTs with Superb Photocatalytic, Optical, and Electronic Performance Achieving Record PV Efficiency of 10.1% for 1Dâ€Based DSSCs. Small, 2016, 12, 4508-4520.	5.2	32
31	Fabrication of a flexible and conductive lyocell fabric decorated with graphene nanosheets as a stable electrode material. Carbohydrate Polymers, 2016, 152, 19-25.	5.1	41
32	A Novel Activated-Charcoal-Doped Multiwalled Carbon Nanotube Hybrid for Quasi-Solid-State Dye-Sensitized Solar Cell Outperforming Pt Electrode. ACS Applied Materials & Interfaces, 2016, 8, 7471-7482.	4.0	49
33	Integrating high electrical conductivity and photocatalytic activity in cotton fabric by cationizing for enriched coating of negatively charged graphene oxide. Carbohydrate Polymers, 2015, 130, 299-306.	5.1	101
34	Multiwalled carbon nanotube coated polyester fabric as textile based flexible counter electrode for dye sensitized solar cell. Physical Chemistry Chemical Physics, 2015, 17, 12957-12969.	1.3	66
35	Composite multi-functional over layer: A novel design to improve the photovoltaic performance of DSSC. Solar Energy Materials and Solar Cells, 2015, 140, 141-149.	3.0	38
36	Graphene coated cotton fabric as textile structured counter electrode for DSSC. Electrochimica Acta, 2015, 173, 164-171.	2.6	126

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37	Fabrication of highly electro catalytic active layer of multi walled carbon nanotube/enzyme for Pt-free dye sensitized solar cells. Applied Surface Science, 2015, 349, 174-183.	3.1	35
38	Effect of elastane linear density and draft ratio on the physical and mechanical properties of core-spun cotton yarns. Journal of the Textile Institute, 2014, 105, 753-759.	1.0	26
39	Hydrothermal synthesis of TiO2 nanotubes and their application as an over-layer for dye-sensitized solar cells. RSC Advances, 2014, 4, 23223.	1.7	68
40	Optimized Performance of Quasi-Solid-State DSSC with PEO-Bismaleimide Polymer Blend Electrolytes Filled with a Novel Procedure. Journal of Nanoscience and Nanotechnology, 2014, 14, 9377-9382.	0.9	6