

# Rabia Riaz

## List of Publications by Year in descending order

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15  
papers

568  
citations

687363

13  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver-Adapted Diffusive Memristor Based on Organic Nitrogen-Doped Graphene Oxide Quantum Dots (N-GOQDs) for Artificial Biosynapse Applications. <i>Advanced Functional Materials</i> , 2019, 29, 1807504.	14.9	84
2	Fabrication of coral-reef structured nano silica for self-cleaning and super-hydrophobic textile applications. <i>Chemical Engineering Journal</i> , 2020, 401, 125859.	12.7	84
3	Dye-sensitized solar cell (DSSC) coated with energy down shift layer of nitrogen-doped carbon quantum dots (N-CQDs) for enhanced current density and stability. <i>Applied Surface Science</i> , 2019, 483, 425-431.	6.1	79
4	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
5	Self-assembled nanomanipulation of silica nanoparticles enable mechanochemically robust super hydrophobic and oleophilic textile. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 62-73.	9.4	35
6	Activated charcoal and reduced graphene sheets composite structure for highly electro-catalytically active counter electrode material and water treatment. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7751-7763.	7.1	33
7	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
8	Highly porous self-assembly of nitrogen-doped graphene quantum dots over reduced graphene sheets for photo-electrocatalytic electrode. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 174-184.	9.4	29
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	Development and Comfort Characterization of 2D-Woven Auxetic Fabric for Wearable and Medical Textile Applications. <i>Clothing and Textiles Research Journal</i> , 2018, 36, 199-214.	3.4	26
11	Development and Mechanical Characterization of Weave Design Based 2D Woven Auxetic Fabrics for Protective Textiles. <i>Fibers and Polymers</i> , 2018, 19, 2431-2438.	2.1	26
12	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
13	Layer-by-Layer Self-Assembly of Hollow Nitrogen-Doped Carbon Quantum Dots on Cationized Textured Crystalline Silicon Solar Cells for an Efficient Energy Down-Shift. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10369-10381.	8.0	21
14	Novel derivatives of 3D woven T-shaped composites with improved performance. <i>Journal of the Textile Institute</i> , 2019, 110, 267-273.	1.9	10
15	Optimizing the Auxetic Geometry Parameters in Few Yarns Based Auxetic Woven Fabrics for Enhanced Mechanical Properties Using Grey Relational Analysis. <i>Journal of Natural Fibers</i> , 2022, 19, 4594-4605.	3.1	6