

# Qudrat Ullah Khan

## List of Publications by Year in descending order

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43  
papers

978  
citations

430442

18  
h-index

454577

30  
g-index

43  
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43  
docs citations

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times ranked

1212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile and green synthesis of phytochemicals capped platinum nanoparticles and in vitro their superior antibacterial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 246-251.	1.7	131
2	Size dependent catalytic activities of green synthesized gold nanoparticles and electro-catalytic oxidation of catechol on gold nanoparticles modified electrode. <i>RSC Advances</i> , 2015, 5, 99364-99377.	1.7	108
3	Biodirected synthesis of palladium nanoparticles using Phoenix dactylifera leaves extract and their size dependent biomedical and catalytic applications. <i>RSC Advances</i> , 2016, 6, 85903-85916.	1.7	59
4	New physical insight into crystal structure, luminescence and optical properties of YPO <sub>4</sub> :Dy <sup>3+</sup> -Eu <sup>3+</sup> -Tb <sup>3+</sup> single-phase white-light-emitting phosphors. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152687.	2.8	53
5	Biosynthesis of silver capped magnesium oxide nanocomposite using Olea cuspidata leaf extract and their photocatalytic, antioxidant and antibacterial activity. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102153.	1.3	51
6	Visible light-induced photodegradation of methylene blue and reduction of 4-nitrophenol to 4-aminophenol over bio-synthesized silver nanoparticles. <i>Separation Science and Technology</i> , 2016, 51, 1070-1078.	1.3	40
7	Fe-doped mayenite electride composite with 2D reduced Graphene Oxide: As a non-platinum based, highly durable electrocatalyst for Oxygen Reduction Reaction. <i>Scientific Reports</i> , 2019, 9, 19809.	1.6	38
8	Enhanced visible light photocatalytic inactivation of Escherichia coli using silver nanoparticles as photocatalyst. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 261-266.	1.7	37
9	Novel Two-Dimensional Carbon-Chromium Nitride-Based Composite as an Electrocatalyst for Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 738.	1.8	34
10	A Tagetes minuta based eco-benign synthesis of multifunctional Au/MgO nanocomposite with enhanced photocatalytic, antibacterial and DPPH scavenging activities. <i>Materials Science and Engineering C</i> , 2021, 126, 112146.	3.8	33
11	Organic-inorganic hybrid perovskites based on methylamine lead halide solar cell. <i>Solar Energy</i> , 2019, 189, 421-425.	2.9	32
12	Facile Synthesis of Mayenite Electride Nanoparticles Encapsulated in Graphitic Shells Like Carbon Nano Onions: Non-noble-metal Electrocatalysts for Oxygen Reduction Reaction (ORR). <i>Frontiers in Chemistry</i> , 2019, 7, 934.	1.8	27
13	Nanoscale CuTe electrocatalyst immobilized at conductor surface for remarkable hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18729-18739.	3.8	27
14	Triggering WORM/SRAM Memory Conversion in a Porphyrinated Polyimide via Zn Complexation as the Internal Electrode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9153-9161.	1.5	24
15	Molecular mechanism of tobramycin with human serum albumin for probing binding interactions: multi-spectroscopic and computational approaches. <i>New Journal of Chemistry</i> , 2017, 41, 8203-8213.	1.4	24
16	Graphene-like ultrathin bismuth selenide nanosheets as highly stable anode material for sodium-ion battery. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163572.	2.8	24
17	Facile synthesis of Gd and Sn co-doped BiFeO <sub>3</sub> supported on nitrogen doped graphene for enhanced photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 222-229.	1.9	22
18	First Principle Study of New W <sub>2</sub> N Monolayer: a Promising Candidate for Li <sup>+</sup> ion Batteries. <i>International Journal of Electrochemical Science</i> , 2019, 14, 3070-3080.	0.5	18

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19	Novel synthesis, properties and applications of emerging group VA two-dimensional monoelemental materials (2D-Xenes). <i>Materials Chemistry Frontiers</i> , 2021, 5, 6333-6391.	3.2	18
20	A novel MnO <sub>2</sub> /CrN nanocomposite based non-enzymatic hydrogen peroxide sensor. <i>RSC Advances</i> , 2021, 11, 19316-19322.	1.7	18
21	A first principle study: Effect of tin substitution on magnetic properties of bismuth ferrite nanoparticles prepared by sol-gel synthesis method. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108483.	1.8	16
22	Highly uniform supramolecular nano-films derived from carbazole-containing perylene diimide via surface-supported self-assembly and their electrically bistable memory behavior. <i>New Journal of Chemistry</i> , 2018, 42, 11506-11515.	1.4	15
23	Investigation of silver doped CdS co-sensitized TiO <sub>2</sub> /CdSe/Ag/CdS heterostructure for improved optoelectronic properties. <i>Optical Materials</i> , 2021, 111, 110645.	1.7	12
24	Synthesis of linear, V-shaped and star-shaped asymmetrical perylene diimides bearing triphenylamine moiety for resistive memory application. <i>Dyes and Pigments</i> , 2018, 149, 193-200.	2.0	11
25	Enhancement of mechanical and electrical properties for in-situ compatibilization of immiscible polypropylene/polystyrene blends. <i>Materials Research Express</i> , 2019, 6, 105301.	0.8	11
26	Novel Heteroatom-Doped Fe/N/C Electrocatalysts With Superior Activities for Oxygen Reduction Reaction in Both Acid and Alkaline Solutions. <i>Frontiers in Chemistry</i> , 2020, 8, 78.	1.8	10
27	Synthesis, in vitro thymidine phosphorylase activity and molecular docking study of thiazole bearing isatin analogs. <i>Chemical Papers</i> , 2022, 76, 213-224.	1.0	10
28	A novel in-situ strategy develops for Mo <sub>2</sub> C nanoparticles incorporated on N, P co-doped stereotaxically carbon as efficient electrocatalyst for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15969-15981.	3.8	10
29	Photo-assisted inactivation of highly drug resistant bacteria and DPPH scavenging activities of zinc oxide graphed Pd-MCM-41 synthesized by new hydrothermal method. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102162.	1.3	9
30	High performance and gate-controlled GeSe/HfS <sub>2</sub> negative differential resistance device. <i>RSC Advances</i> , 2022, 12, 1278-1286.	1.7	9
31	Adsorption and electrochemical facet of polymer precursor to yield mesoporous carbon ceramic. <i>Separation and Purification Technology</i> , 2021, 275, 119199.	3.9	8
32	Novel Porphyrin/Perylene diimide for ultrafast high-performance resistive memory devices. <i>Organic Electronics</i> , 2022, 103, 106453.	1.4	7
33	Incorporating EA <sup>+</sup> into PbI <sub>2</sub> film for stable multiple cations perovskite solar cells with negligible hysteresis. <i>Solar Energy</i> , 2021, 224, 868-874.	2.9	6
34	Third order NLO and second hyperpolarizability of functional porphyrin based polyimides. <i>Optical Materials</i> , 2022, 127, 112317.	1.7	6
35	Copper-doped induced ferromagnetic half-metal zirconium diselenide single crystals. <i>Nanotechnology</i> , 2020, 31, 235704.	1.3	5
36	Diversification and Design of Novel Aniline/Pyrimidines via Sonogashira/Suzuki Cross Coupling Reactions Catalyzed by Novel CLPN/Pd. <i>ChemistrySelect</i> , 2021, 6, 13551-13558.	0.7	5

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37	Investigation of stability and rheological properties of silver nanoparticles stabilized by polyethylene glycol. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10470-10477.	1.1	3
38	Characterization and Thermal Degradation Study of Carbonization the Polyimide (PMDA/ODA)/Fe Composite Films. <i>Transactions on Electrical and Electronic Materials</i> , 2021, 22, 843-850.	1.0	3
39	Performance of High-Voltage Polymeric Insulators Under Simulated Environmental Conditions in Desert Areas of Southern Libya. <i>Transactions on Electrical and Electronic Materials</i> , 2018, 19, 53-57.	1.0	2
40	Barrier, Mechanical, Morphological and Thermal Properties of Compatibilized High Density Polyethylene and Polyamide 6 Blends. <i>Polymer Science - Series B</i> , 2018, 60, 354-362.	0.3	1
41	Scaled-up development of recyclable Pd@ZnO/CuO nanostructure for efficient removal of arsenic from wastewater. <i>Journal of Molecular Structure</i> , 2022, 1260, 132828.	1.8	1
42	Self-assembly and thermal behavior of amphiphilic di-block copolymers of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (me	1.7	0
43	AN ANALYSIS OF IN-SITU SYNTHESIZED AL 6061 ALLOY METAL MATRIX COMPOSITES: REVIEW. <i>European Journal of Materials Science and Engineering</i> , 2021, 6, 220-233.	0.3	0