

Qudrat Ullah Khan

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Synthesis, in vitro thymidine phosphorylase activity and molecular docking study of thiaziazole bearing isatin analogs. <i>Chemical Papers</i> , 2022, 76, 213-224.	1.0	10
2	High performance and gate-controlled GeSe/HfS ₂ negative differential resistance device. <i>RSC Advances</i> , 2022, 12, 1278-1286.	1.7	9
3	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
4	Novel Porphyrin-Perylene diimide for ultrafast high-performance resistive memory devices. <i>Organic Electronics</i> , 2022, 103, 106453.	1.4	7
5	Third order NLO and second hyperpolarizability of functional porphyrin based polyimides. <i>Optical Materials</i> , 2022, 127, 112317.	1.7	6
6	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
7	A novel in-situ strategy develops for Mo ₂ 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
8	Investigation of silver doped CdS co-sensitized TiO ₂ /ClSe/Ag-CdS heterostructure for improved optoelectronic properties. <i>Optical Materials</i> , 2021, 111, 110645.	1.7	12
9	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
10	Biosynthesis of silver capped magnesium oxide nanocomposite using <i>Olea cuspidata</i> leaf extract and their photocatalytic, antioxidant and antibacterial activity. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102153.	1.3	51
11	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
12	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
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	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
15	A <i>Tagetes minuta</i> 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
16	Incorporating EA ⁺ into PbI ₂ film for stable multiple cations perovskite solar cells with negligible hysteresis. <i>Solar Energy</i> , 2021, 224, 868-874.	2.9	6
17	Adsorption and electrochemical facet of polymer precursor to yield mesoporous carbon ceramic. <i>Separation and Purification Technology</i> , 2021, 275, 119199.	3.9	8
18	A novel MnO-CrN nanocomposite based non-enzymatic hydrogen peroxide sensor. <i>RSC Advances</i> , 2021, 11, 19316-19322.	1.7	18

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19	AN ANALYSIS OF IN-SITU SYNTHESIZED AL 6061 ALLOY METAL MATRIX COMPOSITES: REVIEW. European Journal of Materials Science and Engineering, 2021, 6, 220-233.	0.3	0
20	Diversification and Design of Novel Aniline- π -Pyrimidines via Sonogashira/Suzuki Cross Coupling Reactions Catalyzed by Novel CLPN- π -Pd. ChemistrySelect, 2021, 6, 13551-13558.	0.7	5
21	New physical insight into crystal structure, luminescence and optical properties of YPO ₄ :Dy ³⁺ -Eu ³⁺ -Tb ³⁺ single-phase white-light-emitting phosphors. Journal of Alloys and Compounds, 2020, 817, 152687.	2.8	53
22	Investigation of stability and rheological properties of silver nanoparticles stabilized by polyethylene glycol. Journal of Materials Science: Materials in Electronics, 2020, 31, 10470-10477.	1.1	3
23	Novel Heteroatom-Doped Fe/N/C Electrocatalysts With Superior Activities for Oxygen Reduction Reaction in Both Acid and Alkaline Solutions. Frontiers in Chemistry, 2020, 8, 78.	1.8	10
24	Copper-doped induced ferromagnetic half-metal zirconium diselenide single crystals. Nanotechnology, 2020, 31, 235704.	1.3	5
25	Organic-inorganic hybrid perovskites based on methylamine lead halide solar cell. Solar Energy, 2019, 189, 421-425.	2.9	32
26	Enhancement of mechanical and electrical properties for in-situ compatibilization of immiscible polypropylene/polystyrene blends. Materials Research Express, 2019, 6, 105301.	0.8	11
27	First Principle Study of New W ₂ N Monolayer: a Promising Candidate for Li ⁺ ion Batteries. International Journal of Electrochemical Science, 2019, 14, 3070-3080.	0.5	18
28	Facile synthesis of Gd and Sn co-doped BiFeO ₃ supported on nitrogen doped graphene for enhanced photocatalytic activity. Journal of Physics and Chemistry of Solids, 2019, 130, 222-229.	1.9	22
29	Novel Two-Dimensional Carbon-Chromium Nitride-Based Composite as an Electrocatalyst for Oxygen Reduction Reaction. Frontiers in Chemistry, 2019, 7, 738.	1.8	34
30	Fe-doped mayenite electrified composite with 2D reduced Graphene Oxide: As a non-platinum based, highly durable electrocatalyst for Oxygen Reduction Reaction. Scientific Reports, 2019, 9, 19809.	1.6	38
31	Facile Synthesis of Mayenite Electride Nanoparticles Encapsulated in Graphitic Shells Like Carbon Nano Onions: Non-noble-metal Electrocatalysts for Oxygen Reduction Reaction (ORR). Frontiers in Chemistry, 2019, 7, 934.	1.8	27
32	Performance of High-Voltage Polymeric Insulators Under Simulated Environmental Conditions in Desert Areas of Southern Libya. Transactions on Electrical and Electronic Materials, 2018, 19, 53-57.	1.0	2
33	Synthesis of linear, V-shaped and star-shaped asymmetrical perylene diimides bearing triphenylamine moiety for resistive memory application. Dyes and Pigments, 2018, 149, 193-200.	2.0	11
34	Highly uniform supramolecular nano-films derived from carbazole-containing perylene diimide via surface-supported self-assembly and their electrically bistable memory behavior. New Journal of Chemistry, 2018, 42, 11506-11515.	1.4	15
35	Barrier, Mechanical, Morphological and Thermal Properties of Compatibilized High Density Polyethylene and Polyamide 6 Blends. Polymer Science - Series B, 2018, 60, 354-362.	0.3	1
36	Triggering WORM/SRAM Memory Conversion in a Porphyrinated Polyimide via Zn Complexation as the Internal Electrode. Journal of Physical Chemistry C, 2017, 121, 9153-9161.	1.5	24

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37	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
38	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
39	Biodirected synthesis of palladium nanoparticles using <i>Phoenix dactylifera</i> leaves extract and their size dependent biomedical and catalytic applications. <i>RSC Advances</i> , 2016, 6, 85903-85916.	1.7	59
40	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
41	Enhanced visible light photocatalytic inactivation of <i>Escherichia coli</i> using silver nanoparticles as photocatalyst. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 261-266.	1.7	37
42	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
43	Self-assembly and thermal behavior of amphiphilic di-block copolymers of poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	1.7	0