الدكتور عبداالله محمد مرغوب

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| **No** | **Title**  | **Year** | **Journal** |
| 1 | Dielectric spectroscopy of aluminum oxide (γ-Al2O3) | 2021 | Kuwait Journal of Science |
| 2 | [Consequences of frequency and temperature on the ac-conductivity in ε-GaSe semiconductor single crystal](https://www.sciencedirect.com/science/article/pii/S2211379721003648) | 2021 | Results in Physics |
| 3 | [3D Printing of Dapagliflozin Containing Self-Nanoemulsifying Tablets: Formulation Design and In Vitro Characterization](https://www.mdpi.com/1999-4923/13/7/993) | 2021 | Pharmaceutics |
| 4 | [Sensitive detection of aqueous methanol by electrochemical route using mesoporous α-Fe2O3 doped CdSe nanostructures modified glassy carbon electrode](https://scholar.google.com/scholar?oi=bibs&cluster=17242223552693955536&btnI=1&hl=en) | 2021 | Journal of The Electrochemical Society |
| 5 | Physio-Chemical Properties and Dielectric Behaviour of As-Grown Manganese Oxide (γ-Mn2O3) Nanoparticles | 2020 | Journal of Electronic Materials |
| 6 | Efficient hydrazine electrochemical sensor based on PANI doped mesoporous SrTiO3 nanocomposite modified glassy carbon electrode | 2020 | Journal of Electroanalytical Chemistry |
| 7 | Facile Growth, Physical Characterization, and Dielectric Response of As-Grown NiO Nanostructures | 2020 | Journal of King Saud University – Science |
| 8 | Molecular modeling and simulation of some efficient charge transfer materials using density functional theory | 2020 | Materials Today Communications |
| 9 | Highly sensitive ethanol sensor based on TiO2 nanoparticles and its photocatalyst activity | 2019 | Optik |
| 10 | Facile Growth and Promising Applications of Cobalt Oxide (Co3O4) Nanoparticles as Chemi-Sensor and Dielectric Material | 2018 | Current Nanoscience |
| 11 | DFT Modeling of 4,6-di(2-furyl) pyrimidine derivatives as efficient charge transfer materials | 2018 | Russian Journal of Physical Chemistry |
| 12 | Enhancement of electro-optic and structural properties of TGS single crystals on doping with l-glutamic acid | 2018 | Journal of Materials Science: Materials in Electronics |
| 13 | Structural Characterizations and frequency dependent Dielectric Properties of As-Prepared Gd2O3 Nanorods | 2017 | Current Nanoscience |
| 14 | In-Situ growth and physio-electrical characterization of bis-thio-urea cadmium iodide (BTCI) single crystal | 2017 | Journal of Material Science: Material Electronics |
| 15 | Role of Nanomaterials and their applications as photocatalyst and sensors: A Review | 2016 | Nanoresearch and Applications |
| 16 | Sensitive and Fast Response ethanol chemical sensor based on as-grown Gd2O3 nanostructures | 2015 | Journal of Rare Earths |
| 17 | Ab-initio study of L-Tartaric Acid (LTA) single crystal for NLO application | 2015 | Optics & Laser Technology |
| 18 | Structural and optical characterization of Cr2O3 nanostructures: Evaluation of its dielectric properties | 2014 | AIP Advances |
| 19 | Study of pure and l-tartaric acid doped ammonium dihydrogen phosphate single crystals: A novel nonlinear optical non-centrosymmetric crystal | 2014 | Materials Chemistry and Physics |
| 20 | Fabrication of Ethanol Chemical Sensors Based on As-Prepared Gd2O3 Nanorods by Facile Hydrothermal Routes.  | 2014 | Journal of Colloid Science and Biotechnology |
| 21 | Structural, Spectroscopic, Optical, Dielectric and Mechanical Study of Pure and L-Proline Doped Ammonium Dihydrogen Phosphate Single Crystals | 2014 | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy |
| 22 | In-situ Growth and ab-initio Optical Characterizations of Amorphous Ga3Se4 Thin Film: A New Chalcogenide Compound Semiconductor Thin Film | 2013 | Scripta Materialia |
| 23 | Growth and Structural Investigation of New Polycrystalline Ga3Se4 semiconductor: Evaluation of its Dielectric Properties | 2013 | Optik |
| 24 | Growth, Optical, Mechanical, Thermal and second harmonic generation (SHG) of N-methyl urea doped Benzimidazole single crystal grown by VBT | 2013 | Journal of Materials Science and Engineering A |
| 25 | Observation of crystallization and characterizations on thiourea cadmium iodide: A semi-organic optical material | 2013 | Materials Research Bulletin |
| 26 | Simple Growth and Characterization of α-Sb2O4: Evaluation of their Photo-catalytic and Chemical Sensing Applications | 2013 | J. Chem. Soc. Pak. |
| 27 | Frequency and Temperature Dependent Capacitance of ξ-GaSe Single Crystals: Evaluation of Its Negative Capacitance | 2013 | Micro and Nanosystems |
| 28 | Investigation on structural, optical, thermal, mechanical and dielectric properties of L-proline cadmium chloride monohydrate single crystals: An efficient NLO material,  | 2013 | Materials Chemistry and Physics |
| 29 | Fabrication of Highly Sensitive Chemi-Sensor and Efficient Photocatalyst Based On ZnO Nanostructured Material | 2013 | Micro and Nanosystems |
| 30 | Investigation on Growth Features and Crystal Structures of Pure and Metal ion (Mn2+) doped KDP single crystals | 2013 | Optik |
| 31 | Quantum Chemical Study of Fe- Doped ZnO Nanoclusters | 2013 | Micro and Nanosystems |
| 32 | Fabrication of ZnO nanoparticles based sensitive methanol sensor and efficient photocatalyst | 2012 | Applied Surface Science |
| 33 | The Study of Effect of Mncl2 Doping on the Growth Rate of KDP Single Crystals using inverted Microscope and their Characterizations by Powder XRD and HRXRD Techniques | 2012 | International Journal of Pure and Applied Physics |
| 34 | Structural and dielectric studies of pure and Mn doped GaSe | 2011 | Science of Advanced Materials |
| 35 | Smart Chemical Sensor and active photo-catalyst for environmental pollutants | 2011 | Chemical Engineering Journal |
| 36 | Growth of La0.7Sr0.3MnO3 Thin-Films on SrTiO3 (100) Substrate by Pulsed Laser Deposition: Structural, Optical and Electrical Properties | 2011 | [Advanced Science Letters](http://www.ingentaconnect.com/content/asp/asl;jsessionid=j7txp2wehdfk.alice) |
| 37 | Role of ZnO-CeO­2 Nanostructures as a Photo-catalyst and Chemi-sensor  | 2011 | J. Mater. Sci. Technol. |
| 38 | Synthesis, characterizations, photocatalytic and sensing studies of ZnO nanocapsules | 2011 | Applied Surface Science |
| 39 | Growth and Characterization of GaSe Single Crystal  | 2010 | J. Crystal Growth |
| 40 | Controlled Synthesis and Structural Characterization of Polycrystalline GaSe | 2010 | Journal of Material Science |