

Mohammed Alqahtani

List of Publications by Year in descending order

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48
papers

418
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840585

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#	ARTICLE	IF	CITATIONS
1	Analysis of the Radiation Attenuation Parameters of Cu ₂ HgI ₄ , Ag ₂ HgI ₄ , and (Cu/Ag/Hg I) Semiconductor Compounds. <i>Crystals</i> , 2022, 12, 276.	1.0	6
2	Multispectral remote sensing for determination the Ultra-mafic complexes distribution and their applications in reducing the equivalent dose from the radioactive wastes. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	24
3	Hydroxyapatite and Er ₂ O ₃ are embedded within graphene oxide nanosheets for high improvement of their hardness and biological responses. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2123-2134.	1.9	7
4	One-Pot Pulsed Laser Ablation Route Assisted Molybdenum Trioxide Nano-Belts Doped in PVA/CMC Blend for the Optical and Electrical Properties Enhancement. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2056-2064.	1.9	18
5	The Effect of ZnO, MgO, TiO ₂ , and Na ₂ O Modifiers on the Physical, Optical, and Radiation Shielding Properties of a TeTaNb Glass System. <i>Materials</i> , 2022, 15, 1844.	1.3	13
6	Optical and radiation shielding characteristics of tellurite glass doped with different rare-earth oxides. <i>Journal of X-Ray Science and Technology</i> , 2022, 30, 293-305.	0.7	1
7	The Potential Impact of COVID-19 Virus on the Heart and the Circulatory System. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 1175-1189.	1.1	13
8	Blockchain-based Multifactor Authentication for Future 6G Cellular Networks: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3551.	1.3	9
9	Nanoparticle Aggregation and Thermophoretic Particle Deposition Process in the Flow of Micropolar Nanofluid over a Stretching Sheet. <i>Nanomaterials</i> , 2022, 12, 977.	1.9	14
10	Iron Oxide Nanoparticles: Preparation, Characterization, and Assessment of Antimicrobial and Anticancer Activity. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	40
11	Aspects of Uniform Horizontal Magnetic Field and Nanoparticle Aggregation in the Flow of Nanofluid with Melting Heat Transfer. <i>Nanomaterials</i> , 2022, 12, 1000.	1.9	40
12	Thermal Stability, Optical Properties, and Gamma Shielding Properties of Tellurite Glass Modified with Potassium Chloride. <i>Materials</i> , 2022, 15, 2403.	1.3	5
13	An overview of the pharmacological activities of scopoletin against different chronic diseases. <i>Pharmacological Research</i> , 2022, 179, 106202.	3.1	14
14	Nuclear receptors in oral cancer-Emerging players in tumorigenesis. <i>Cancer Letters</i> , 2022, 536, 215666.	3.2	14
15	Evaluation of the Radiation Shielding Properties of a Tellurite Glass System Modified with Sodium Oxide. <i>Materials</i> , 2022, 15, 3172.	1.3	4
16	Study of structural, physical, characteristics and radiation shielding parameters of Bi ₅₀ -Pb ₄₀ -Sn ₁₀ and Bi ₄₀ -Pb ₄₀ -Sn ₁₀ -Cd ₁₀ alloys used for radiation therapy. <i>Radiation Effects and Defects in Solids</i> , 2022, 177, 545-555.	0.4	7
17	Bioremediation of Textile Industrial Effluents Using Nutraceutical Industrial Spent: Laboratory-Scale Demonstration of Circular Economy. <i>Nanomaterials</i> , 2022, 12, 1684.	1.9	7
18	Numerical analysis of bioconvection-MHD flow of Williamson nanofluid with gyrotactic microbes and thermal radiation: New iterative method. <i>Open Physics</i> , 2022, 20, 470-483.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Luminescence and Gamma Spectroscopy of Phosphate Glass Doped with Nd ³⁺ /Yb ³⁺ and Their Multifunctional Applications. <i>Photonics</i> , 2022, 9, 406.	0.9	5
20	Analysis of respiratory mechanics models with different kernels. <i>Open Physics</i> , 2022, 20, 609-615.	0.8	13
21	The Investigation of New Phosphate-Titanite Glasses According to Optical, Physical, and Shielding Properties. <i>Crystals</i> , 2022, 12, 941.	1.0	3
22	Demographic characteristics and types of stroke in Southwestern Saudi Arabia, and the potential demand of neuro endovascular specialists. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2021, 26, 62-68.	0.5	1
23	Optically transparent glass modified with metal oxides for X-rays and gamma rays shielding material. <i>Journal of X-Ray Science and Technology</i> , 2021, 29, 331-345.	0.7	4
24	Evaluation of Ultrasound Accuracy in Acute Appendicitis Diagnosis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2682.	1.3	5
25	A Novel Computational Model for Detecting the Severity of Inflammation in Confirmed COVID-19 Patients Using Chest X-ray Images. <i>Diagnostics</i> , 2021, 11, 855.	1.3	3
26	Enhanced thermal stability and optical and structural properties of Tm ³⁺ ions in doped tellurite glasses for photonic use. <i>Results in Physics</i> , 2021, 24, 104202.	2.0	10
27	Deep sequence modelling for predicting COVID-19 mRNA vaccine degradation. <i>PeerJ Computer Science</i> , 2021, 7, e597.	2.7	4
28	Hybrid Deep-Learning and Machine-Learning Models for Predicting COVID-19. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-11.	1.1	24
29	Saudi Arabian Health Workers' Perception and Attitudes Toward Magnetic Resonance Imaging Safety. <i>Journal of Radiology Nursing</i> , 2021, 40, 279-285.	0.2	3
30	A Novel Multicolour-thresholding Auto-detection Method to Detect the Location and Severity of Inflammation in Confirmed SARS-COV-2 Cases Using Chest X-ray Images. <i>Current Medical Imaging</i> , 2021, 17, .	0.4	0
31	The Potential Contribution of Biopolymeric Particles in Lung Tissue Regeneration of COVID-19 Patients. <i>Polymers</i> , 2021, 13, 4011.	2.0	2
32	The association between the knowledge on prostate cancer screening with the beliefs and behaviors of Saudi men attending King Khalid University Hospital. <i>Journal of Family Medicine and Primary Care</i> , 2021, 10, 4423.	0.3	1
33	The Potential Role of Nanoparticles as an Anticancer Therapy in the Treatment of Rectal Cancer. <i>Processes</i> , 2021, 9, 2172.	1.3	1
34	Development of a computational tool for estimating computed tomography dose parameters. <i>Journal of X-Ray Science and Technology</i> , 2020, 28, 1025-1035.	0.7	5
35	Radiologists' Knowledge and Attitudes towards CT Radiation Dose and Exposure in Saudi Arabia: A Survey Study. <i>Medical Sciences (Basel, Switzerland)</i> , 2020, 8, 27.	1.3	4
36	Validation of Nanoparticle Response to the Sound Pressure Effect during the Drug-Delivery Process. <i>Polymers</i> , 2020, 12, 186.	2.0	3

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37	Public awareness, knowledge, and attitude toward Alzheimer's disease in Aseer region, Saudi Arabia. Egyptian Journal of Neurology, Psychiatry and Neurosurgery, 2020, 56, .	0.4	7
38	Clinical and epidemiological profile of cerebral venous thrombosis. Journal of King Abdulaziz University, Islamic Economics, 2020, 25, 380-385.	0.5	2
39	Contribution of neural networks in the diagnosis and treatment of cardiac arrhythmia. Discovery Medicine, 2020, 30, 27-38.	0.5	0
40	Assessing a small field of view hybrid gamma camera for perioperative iodine-125 seed localisation. British Journal of Radiology, 2019, 92, 20190020.	1.0	2
41	Prevalence and Risk Factors for Depression among Caregivers of Alzheimer's Disease Patients in Saudi Arabia. Neurology Research International, 2018, 2018, 1-7.	0.5	11
42	Quality of life assessment among multiple sclerosis patients in Saudi Arabia. Journal of King Abdulaziz University, Islamic Economics, 2018, 23, 140-147.	0.5	14
43	A novel compact small field of view hybrid gamma camera. Nuclear Medicine Communications, 2017, 38, 729-736.	0.5	9
44	A Multimodality Hybrid Gamma-Optical Camera for Intraoperative Imaging. Sensors, 2017, 17, 554.	2.1	23
45	Design and implementation of a prototype head and neck phantom for the performance evaluation of gamma imaging systems. EJMNM Physics, 2017, 4, 19.	1.3	13
46	Comparison of columnar and pixelated scintillators for small field of view hybrid gamma camera imaging. , 2016, , .		1
47	Quantitative investigation of a novel small field of view hybrid gamma camera (HGC) capability for sentinel lymph node detection. British Journal of Radiology, 2016, 89, 20160435.	1.0	3
48	DNA Nucleobase Interaction with Silicon Carbide Nanosheet. Silicon, 0, , 1.	1.8	1