

Nasser S Awwad

List of Publications by Year in descending order

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68
papers

857
citations

516710

16
h-index

552781

26
g-index

74
all docs

74
docs citations

74
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient preparation of phosphazene chitosan derivatives and its applications for the adsorption of molybdenum from spent hydrodesulfurization catalyst. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 2103-2118.	2.4	9
2	Synthesis of Cu@ZnO/Polyacrylic Acid Hydrogel as Visible-Light-Driven Photocatalyst for Organic Pollutant Degradation. <i>ChemistrySelect</i> , 2022, 7, .	1.5	16
3	Green synthesis of a MnO-GO-Ag nanocomposite using leaf extract of <i>Fagonia arabica</i> and its antioxidant and anti-inflammatory performance. <i>Nano Structures Nano Objects</i> , 2022, 29, 100835.	3.5	10
4	Binary Co@ZF/S@GCN S-scheme heterojunction enriching spatial charge carrier separation for efficient removal of organic pollutants under sunlight irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128177.	4.7	15
5	A well-defined S-g-C ₃ N ₄ /Cu@NiS heterojunction interface towards enhanced spatial charge separation with excellent photocatalytic ability: synergetic effect, kinetics, antibacterial activity, and mechanism insights. <i>RSC Advances</i> , 2022, 12, 3274-3286.	3.6	1
6	Thermal Degradation of Poly (Styrene-Co-Methyl Methacrylate) in the Presence of Al ₃ Nanoadditive. <i>Jom</i> , 2022, 74, 1916-1922.	1.9	6
7	Investigation of the interaction mechanism of 3-allyl-2-hydantoin anti-cancer on the pristine and functionalized BC ₂ N nanotubes as an effective drug delivery nanocarriers. <i>Journal of Biotechnology</i> , 2022, 345, 40-46.	3.8	1
8	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.	3.7	7
9	Fabrication and Characterization of Highly Efficient As-Synthesized WO ₃ /Graphitic-C ₃ N ₄ Nanocomposite for Photocatalytic Degradation of Organic Compounds. <i>Materials</i> , 2022, 15, 2482.	2.9	10
10	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.	3.7	18
11	Antiproliferative and Proapoptotic Effect of <i>Daucus carota</i> in Cervical Cancer Cells: An <i>In Vitro</i> Approach. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
12	Enhanced Electrical Conductivity and Dielectric Performance of Ternary Nanocomposite Film of PEMA/PS/Silver NPs Synthesized by Laser Ablation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2269-2278.	3.7	11
13	Photocatalytic Degradation of Yellow-50 Using Zn/Polyorthoethylaniline Nanocomposites. <i>Jom</i> , 2022, 74, 2106-2112.	1.9	4
14	Optoelectronic Analysis of Bismuth Sulfide and Copper-Doped Bismuth Sulfide Thin Films. <i>Jom</i> , 2022, 74, 2809-2816.	1.9	9
15	Acrylic Acid-Functionalized Cellulose Diacrylate-Carbon Nanocomposite Thin Film: Preparation, Characterization, and Applications. <i>Jom</i> , 2022, 74, 2113-2119.	1.9	3
16	Controlled preparation of grafted starch modified with Ni nanoparticles for biodegradable polymer nanocomposites and its application in food packaging. <i>Microscopy Research and Technique</i> , 2022, , .	2.2	2
17	Nanomedicines Targeting Heat Shock Protein 90 Gene Expression in the Therapy of Breast Cancer. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
18	Recent Progress and Potential Biomedical Applications of Electrospun Nanofibers in Regeneration of Tissues and Organs. <i>Polymers</i> , 2022, 14, 1508.	4.5	17

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19	Different metal-decorated aluminum phosphide nanotubes as hydrazine sensors for biomedical applications. <i>Journal of Molecular Modeling</i> , 2022, 28, 112.	1.8	1
20	Thermal, optical and electrical properties of WO ₃ /carboxymethyl cellulose/polyvinyl alcohol composite synthesized by laser ablation. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	5
21	Selective detection of sulfur trioxide in the presence of environmental gases by AlN nanotube. <i>Journal of Sulfur Chemistry</i> , 2022, 43, 290-303.	2.0	5
22	Structural investigation of annealed vanadate into hydroxyapatite crystals for biomedical applications; ultrasonic mechanical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	2
23	Physicochemical changes of hydroxyapatite, V ₂ O ₅ , and graphene oxide composites for medical usages. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 1399-1413.	1.9	4
24	Simplified Route for Deposition of Binary and Ternary Bismuth Sulphide Thin Films for Solar Cell Applications. <i>Sustainability</i> , 2022, 14, 4603.	3.2	6
25	Fabrication of Guided Tissue Regeneration Membrane Using Lignin-Mediated ZnO Nanoparticles in Biopolymer Matrix for Antimicrobial Activity. <i>Frontiers in Chemistry</i> , 2022, 10, 837858.	3.6	9
26	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification. <i>Polymers</i> , 2022, 14, 1594.	4.5	33
27	Optical, thermal and dielectric properties of Copper Oxide (CuO)/ chitosan (CS)/ Polyethylene oxide (PEO) blends. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	5
28	Microstructure Study and Linear/Nonlinear Optical Performance of Bi-Embedded PVP/PVA Films for Optoelectronic and Optical Cut-Off Applications. <i>Polymers</i> , 2022, 14, 1741.	4.5	20
29	Modification and development of the optical, structural, thermal and electrical characterization of Chitosan incorporated with Au/Bi ₂ O ₃ /Mo NPs fabricated by laser ablation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2729-2736.	3.7	5
30	Synthesis of nanostructured Bi ₂ O ₃ NPs using laser ablation technique and its effect on the optical, thermal, and conductivity characterization of the PEO/CMC blend. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	3
31	Improvement of Medical Applicability of Hydroxyapatite/Antimonous Oxide/Graphene Oxide Mixed Systems for Biomedical Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3220-3234.	3.7	2
32	Polymer based nanocomposites: A strategic tool for detection of toxic pollutants in environmental matrices. <i>Chemosphere</i> , 2022, 303, 134923.	8.2	18
33	The effect of platinum decoration on the sensing characterisation of AIP nanosheets towards mercaptopurine drug. <i>Pramana - Journal of Physics</i> , 2022, 96, .	1.5	2
34	Quantized molecular intercalations of Rhodamine 6G laser dye onto polymethylmethacrylate host exciplex. <i>Materials Express</i> , 2022, 12, 288-304.	0.5	1
35	Valorization of Rice Husk and Straw Agriculture Wastes of Eastern Saudi Arabia: Production of Bio-Based Silica, Lignocellulose, and Activated Carbon. <i>Materials</i> , 2022, 15, 3746.	2.9	6
36	Antimicrobial Activities Along With Spectrophotometric Assessment of Stability Constants of Copper (II) and Cobalt (II) With 1,2-Bis(2,5-dimethoxybenzylidene) Hydrazine. <i>International Journal of Analytical Chemistry</i> , 2022, 2022, 1-9.	1.0	0

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37	Cytotoxic Potential of Bio-Silica Conjugate with Different Sizes of Silver Nanoparticles for Cancer Cell Death. <i>Materials</i> , 2022, 15, 4074.	2.9	1
38	New Sustainable Ionic Polysaccharides Fibers Assist Calcium Phosphate Mineralization as Efficient Adsorbents. <i>Fibers and Polymers</i> , 2021, 22, 1526.	2.1	1
39	Crystal structure optimization, ultrasonic properties and morphology of Mg/Se co-dopant into annealed hydroxyapatite for biomedical applications. <i>Journal of Materials Research</i> , 2021, 36, 1425-1436.	2.6	13
40	Catalytic activity of Ag nanoparticles and Au/Ag nanocomposite prepared by pulsed laser ablation technique against 4-nitrophenol for environmental applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11978-11988.	2.2	21
41	Au@Ag core/shell nanoparticles prepared by laser-assisted method for optical limiting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14728-14739.	2.2	17
42	Selective separation of Yttrium and Uranium from Xenotime Concentrate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1568-1577.	1.2	5
43	Designing a novel visible-light-driven heterostructure Ni ²⁺ /ZnO/S-g-C ₃ N ₄ photocatalyst for coloured pollutant degradation. <i>RSC Advances</i> , 2021, 11, 36518-36527.	3.6	39
44	Kinetic and Isothermal Studies on the Adsorptive Removal of Direct Yellow 12 Dye from Wastewater Using Propionic Acid Treated Bagasse. <i>ChemistrySelect</i> , 2021, 6, 12146-12152.	1.5	4
45	Thermal degradation study of polymethylmethacrylate with Al ₃ nanoadditive. <i>Microscopy Research and Technique</i> , 2021, , .	2.2	10
46	Photocatalytic decolourization of a new water-insoluble organic dye based on phenothiazine by ZnO and TiO ₂ nanoparticles. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3633-3638.	4.9	27
47	One-pot synthesis of Mn ₃ O ₄ -coupled Ag ₂ WO ₄ nanocomposite photocatalyst for enhanced photooxidative desulfurization of thiophene under visible light irradiation. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1545-1554.	3.1	66
48	Protonation Equilibria of N-Acetylcysteine. <i>ACS Omega</i> , 2020, 5, 19598-19605.	3.5	15
49	Investigation of Electrical Conductivity of Gold Nanoparticles Scattered in Polyvinylidene Fluoride/Polyvinyl Chloride via Laser Ablation for Electrical Applications. <i>Journal of Electronic Materials</i> , 2020, 49, 7603-7608.	2.2	42
50	Ag-doped PbS thin films by nebulizer spray pyrolysis for solar cells. <i>International Journal of Energy Research</i> , 2020, 44, 4505-4515.	4.5	27
51	Evaluation of Pesticide Residues in Vegetables from the Asir Region, Saudi Arabia. <i>Molecules</i> , 2020, 25, 205.	3.8	50
52	CARBOXYLATED CELLULOSE NANOFIBERS AS A NOVEL EFFICIENT ADSORBENT FOR WATER PURIFICATION. <i>Cellulose Chemistry and Technology</i> , 2020, 54, 237-245.	1.2	17
53	Photocatalytic degradation of cortisone acetate by using graphite doped ceria nanoparticles under visible light illumination. <i>Materials Research Express</i> , 2019, 6, 095907.	1.6	5
54	Solution Equilibria of Holmium(III) and Gadolinium(III) Complexes of Thymoquinone. <i>Journal of Solution Chemistry</i> , 2019, 48, 1716-1729.	1.2	3

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55	Oxidized alginate/gelatin decorated silver nanoparticles as new nanocomposite for dye adsorption. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 1280-1286.	7.5	50
56	Utilization of lithium incorporated mesoporous silica for preventing necrosis and increase apoptosis in different cancer cells. <i>BMC Chemistry</i> , 2019, 13, 8.	3.8	5
57	Induction apoptosis in liver cancer cells by altering natural hydroxyapatite to scavenge excess sodium without deactivate sodium-potassium pump. <i>Materials Research Express</i> , 2019, 6, 055403.	1.6	8
58	All Solid-State Poly (Vinyl Chloride) Membrane Potentiometric Sensor Integrated with Nano-Beads Imprinted Polymers for Sensitive and Rapid Detection of Bispyribac Herbicide as Organic Pollutant. <i>Molecules</i> , 2019, 24, 712.	3.8	26
59	Carbonized Titania: an efficient material for the removal of heavy metal-dye complexes from water. <i>Materials Research Express</i> , 2019, 6, 125615.	1.6	1
60	Cost-effective and handmade paper-based potentiometric sensing platform for piperidine determination. <i>Analytical Methods</i> , 2018, 10, 5406-5415.	2.7	20
61	Norleucine metal complexes: comments on their equilibrium constants data. <i>Reviews in Inorganic Chemistry</i> , 2018, 38, 43-48.	4.1	0
62	A Novel Method to Improve the Anticancer Activity of Natural-Based Hydroxyapatite against the Liver Cancer Cell Line HepG2 Using Mesoporous Magnesia as a Micro-Carrier. <i>Molecules</i> , 2017, 22, 1947.	3.8	11
63	Removal of malachite green dye from aqueous solutions using organically modified hydroxyapatite. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 633-638.	6.7	71
64	Synthesis of chelating N-hydroxyl amine derivative and its application for vanadium separation from Abu Zeneima ferruginous siltstone ore, Southwestern Sinai, Egypt. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-23.	3.3	4
65	Hybrid Nanocomposites of Hydroxyapatite, Eu ₂ O ₃ , Graphene Oxide Via Ultrasonic Power: Microstructure, Morphology Design and Antibacterial for Biomedical Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 0, , 1.	3.7	1
66	DNA Nucleobase Interaction with Silicon Carbide Nanosheet. <i>Silicon</i> , 0, , 1.	3.3	1
67	Fast removal of methylene blue by modified soral cement using manganese(VII) as an additive: kinetics, thermodynamics, and equilibrium studies. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-21.	3.3	0
68	Centroid-centroid and hydrogen bond interactions as robust supramolecular units for crystal engineering: X-ray crystallographic, computational and urease inhibitory investigations of 1,2,4-triazolo[3,4-a]phthalazines. <i>CrystEngComm</i> , 0, , .	2.6	5