Nasser S Awwad

List of Publications by Year
in descending order

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68	857	516710 16	552781 26
papers	citations	h-index	g-index

74	74	74	577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Removal of malachite green dye from aqueous solutions using organically modified hydroxyapatite. Journal of Environmental Chemical Engineering, 2016, 4, 633-638.	6.7	71
2	One-pot synthesis of Mn3O4-coupled Ag2WO4 nanocomposite photocatalyst for enhanced photooxidative desulfurization of thiophene under visible light irradiation. Applied Nanoscience (Switzerland), 2020, 10, 1545-1554.	3.1	66
3	Oxidized alginate/gelatin decorated silver nanoparticles as new nanocomposite for dye adsorption. International Journal of Biological Macromolecules, 2019, 141, 1280-1286.	7.5	50
4	Evaluation of Pesticide Residues in Vegetables from the Asir Region, Saudi Arabia. Molecules, 2020, 25, 205.	3.8	50
5	Investigation of Electrical Conductivity of Gold Nanoparticles Scattered in Polyvinylidene Fluoride/Polyvinyl Chloride via Laser Ablation for Electrical Applications. Journal of Electronic Materials, 2020, 49, 7603-7608.	2.2	42
6	Designing a novel visible-light-driven heterostructure Niâ€“ZnO/S-g-C₃N₄ photocatalyst for coloured pollutant degradation. RSC Advances, 2021, 11, 36518-36527.	3.6	39
7	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification. Polymers, 2022, 14, 1594.	4.5	33
8	Photocatalytic decolourization of a new water-insoluble organic dye based on phenothiazine by ZnO and TiO2 nanoparticles. Arabian Journal of Chemistry, 2020, 13, 3633-3638.	4.9	27
9	Agâ€doped PbS thin films by nebulizer spray pyrolysis for solar cells. International Journal of Energy Research, 2020, 44, 4505-4515.	4.5	27
10	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. Molecules, 2019, 24, 712.	3.8	26
11	Catalytic activity of Ag nanoparticles and Au/Ag nanocomposite prepared by pulsed laser ablation technique against 4-nitrophenol for environmental applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 11978-11988.	2.2	21
12	Cost-effective and handmade paper-based potentiometric sensing platform for piperidine determination. Analytical Methods, 2018, 10, 5406-5415.	2.7	20
13	Microstructure Study and Linear/Nonlinear Optical Performance of Bi-Embedded PVP/PVA Films for Optoelectronic and Optical Cut-Off Applications. Polymers, 2022, 14, 1741.	4.5	20
14	One-Pot Pulsed Laser Ablation Route Assisted MolybdenumÂTrioxide Nano-Belts Doped in PVA/CMC Blend for the Optical and Electrical Properties Enhancement. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2056-2064.	3.7	18
15	Polymer based nanocomposites: A strategic tool for detection of toxic pollutants in environmental matrices. Chemosphere, 2022, 303, 134923.	8.2	18
16	Au@Ag core/shell nanoparticles prepared by laserâ€assisted method for optical limiting applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 14728-14739.	2.2	17
17	CARBOXYLATED CELLULOSE NANOFIBERS AS A NOVEL EFFICIENT ADSORBENT FOR WATER PURIFICATION. Cellulose Chemistry and Technology, 2020, 54, 237-245.	1.2	17
18	Recent Progress and Potential Biomedical Applications of Electrospun Nanofibers in Regeneration of Tissues and Organs. Polymers, 2022, 14, 1508.	4.5	17

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19	Synthesis of Cuâ€ZnO/Polyacrylic Acid Hydrogel as Visibleâ€Lightâ€Driven Photocatalyst for Organic Pollutant Degradation. ChemistrySelect, 2022, 7, .	1.5	16
20	Protonation Equilibria of N-Acetylcysteine. ACS Omega, 2020, 5, 19598-19605.	3.5	15
21	Binary Co@ZF/S@GCN S-scheme heterojunction enriching spatial charge carrier separation for efficient removal of organic pollutants under sunlight irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128177.	4.7	15
22	Crystal structure optimization, ultrasonic properties and morphology of Mg/Se co-dopant into annealed hydroxyapatite for biomedical applications. Journal of Materials Research, 2021, 36, 1425-1436.	2.6	13
23	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. Molecules, 2017, 22, 1947.	3.8	11
24	Enhanced Electrical Conductivity and Dielectric Performance of Ternary Nanocomposite Film of PEMA/PS/Silver NPs Synthesized by Laser Ablation. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2269-2278.	3.7	11
25	Green synthesis of a MnO-GO-Ag nanocomposite using leaf extract of Fagonia arabica and its antioxidant and anti-inflammatory performance. Nano Structures Nano Objects, 2022, 29, 100835.	3.5	10
26	Thermal degradation study of polymethylmethacrylate with <scp> AlI ₃ </scp> nanoadditive. Microscopy Research and Technique, 2021, , .	2.2	10
27	Fabrication and Characterization of Highly Efficient As-Synthesized WO3/Graphitic-C3N4 Nanocomposite for Photocatalytic Degradation of Organic Compounds. Materials, 2022, 15, 2482.	2.9	10
28	Optoelectronic Analysis of Bismuth Sulfide and Copper-Doped Bismuth Sulfide Thin Films. Jom, 2022, 74, 2809-2816.	1.9	9
29	Fabrication of Guided Tissue Regeneration Membrane Using Lignin-Mediated ZnO Nanoparticles in Biopolymer Matrix for Antimicrobial Activity. Frontiers in Chemistry, 2022, 10, 837858.	3.6	9
30	Efficient preparation of phosphazene chitosan derivatives and its applications for the adsorption of molybdenum from spent hydrodesulfurization catalyst. Journal of Dispersion Science and Technology, 2023, 44, 2103-2118.	2.4	9
31	Induction apoptosis in liver cancer cells by altering natural hydroxyapatite to scavenge excess sodium without deactivate sodium-potassium pump. Materials Research Express, 2019, 6, 055403.	1.6	8
32	Hydroxyapatite and Er2O3 are embedded within graphene oxide nanosheets for high improvement of their hardness and biological responses. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2123-2134.	3.7	7
33	Thermal Degradation of Poly (Styrene-Co-Methyl Methacrylate) in the Presence of AlI3 Nanoadditive. Jom, 2022, 74, 1916-1922.	1.9	6
34	Simplified Route for Deposition of Binary and Ternary Bismuth Sulphide Thin Films for Solar Cell Applications. Sustainability, 2022, 14, 4603.	3.2	6
35	Valorization of Rice Husk and Straw Agriculture Wastes of Eastern Saudi Arabia: Production of Bio-Based Silica, Lignocellulose, and Activated Carbon. Materials, 2022, 15, 3746.	2.9	6
36	Photocatalytic degradation of cortisone acetate by using graphite doped ceria nanoparticles under visible light illumination. Materials Research Express, 2019, 6, 095907.	1.6	5

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37	Utilization of lithium incorporated mesoporous silica for preventing necrosis and increase apoptosis in different cancer cells. BMC Chemistry, 2019, 13, 8.	3.8	5
38	Selective separation of Yttrium and Uranium from Xenotime Concentrate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1568-1577.	1.2	5
39	Thermal, optical and electrical properties of WO3/carboxymethyl cellulose/polyvinyl alcohol composite synthesized by laser ablation. Journal of Polymer Research, 2022, 29, 1.	2.4	5
40	Selective detection of sulfur trioxide in the presence of environmental gases by AlN nanotube. Journal of Sulfur Chemistry, 2022, 43, 290-303.	2.0	5
41	Optical, thermal and dielectric properties of Copper Oxide (CuO)/ chitosan (CS)/ Polyethylene oxide (PEO) blends. Journal of Polymer Research, 2022, 29, .	2.4	5
42	Modification and development of the optical, structural, thermal and electrical characterization of Chitosan incorporated with Au/Bi2O3/Mo NPs fabricated by laser ablation. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2729-2736.	3.7	5
43	Centroidâ‹¯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. CrystEngComm, 0, , .	2.6	5
44	Synthesis of chelating N-hydroxyl amine derivative and its application for vanadium separation from Abu Zeneima ferruginous siltstone ore, Southwestern Sinai, Egypt. International Journal of Environmental Analytical Chemistry, 0, , 1-23.	3.3	4
45	Kinetic and Isothermal Studies on the Adsorptive Removal of Direct Yellow 12 Dye from Wastewater Using Propionic Acid Treated Bagasse. ChemistrySelect, 2021, 6, 12146-12152.	1.5	4
46	Photocatalytic Degradation of Yellow-50 Using Zno/Polyorthoethylaniline Nanocomposites. Jom, 2022, 74, 2106-2112.	1.9	4
47	Physicochemical changes of hydroxyapatite, V2O5, and graphene oxide composites for medical usages. Journal of the Australian Ceramic Society, 2022, 58, 1399-1413.	1.9	4
48	Solution Equilibria of Holmium(III) and Gadolinium(III) Complexes of Thymoquinone. Journal of Solution Chemistry, 2019, 48, 1716-1729.	1.2	3
49	Acrylic Acid-Functionalized Cellulose Diacrylate-Carbon Nanocomposite Thin Film: Preparation, Characterization, and Applications. Jom, 2022, 74, 2113-2119.	1.9	3
50	Synthesis of nanostructured Bi2O3NPs using laser ablation technique and its effect on the optical, thermal, and conductivity characterization of the PEO/CMC blend. Journal of Polymer Research, 2022, 29, .	2.4	3
51	Controlled preparation of grafted starch modified with Ni nanoparticles for biodegradable polymer nanocomposites and its application in food packaging. Microscopy Research and Technique, 2022, , .	2.2	2
52	Nanomedicines Targeting Heat Shock Protein 90 Gene Expression in the Therapy of Breast Cancer. ChemistrySelect, 2022, 7, .	1.5	2
53	Structural investigation of annealed vanadate into hydroxyapatite crystals for biomedical applications; ultrasonic mechanical properties. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	2
54	Improvement of Medical Applicability of Hydroxyapatite/Antimonous Oxide/Graphene Oxide Mixed Systems for Biomedical Application. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3220-3234.	3.7	2

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55	The effect of platinum decoration on the sensing characterisation of AlP nanosheets towards mercaptopurine drug. Pramana - Journal of Physics, 2022, 96, .	1.5	2
56	Carbonized Titania: an efficient material for the removal of heavy metal-dye complexes from water. Materials Research Express, 2019, 6, 125615.	1.6	1
57	New Sustainable Ionic Polysaccharides Fibers Assist Calcium Phosphate Mineralization as Efficient Adsorbents. Fibers and Polymers, 2021, 22, 1526.	2.1	1
58	A well-defined S-g-C3N4/Cuâ€“NiS heterojunction interface towards enhanced spatial charge separation with excellent photocatalytic ability: synergetic effect, kinetics, antibacterial activity, and mechanism insights. RSC Advances, 2022, 12, 3274-3286.	3.6	1
59	Investigation of the interaction mechanism of 3-allyl-2-hydantoin anti-cancer on the pristine and functionalized BC2N nanotubes as an effective drug delivery nanocarriers. Journal of Biotechnology, 2022, 345, 40-46.	3.8	1
60	Antiproliferative and Proapoptotic Effect of Daucus carota in Cervical Cancer Cells: An In Vitro Approach. ChemistrySelect, 2022, 7, .	1.5	1
61	Hybrid Nanocomposites of Hydroxyapatite, Eu2O3, Graphene Oxide Via Ultrasonic Power: Microstructure, Morphology Design and Antibacterial for Biomedical Applications. Journal of Inorganic and Organometallic Polymers and Materials, 0, , 1.	3.7	1
62	DNA Nucleobase Interaction with Silicon Carbide Nanosheet. Silicon, 0, , 1.	3.3	1
63	Different metal-decorated aluminum phosphide nanotubes as hydrazine sensors for biomedical applications. Journal of Molecular Modeling, 2022, 28, 112.	1.8	1
64	Quantized molecular intercalations of Rhodamine 6G laser dye onto polymethylmethacrylate host exciplex. Materials Express, 2022, 12, 288-304.	0.5	1
65	Cytotoxic Potential of Bio-Silica Conjugate with Different Sizes of Silver Nanoparticles for Cancer Cell Death. Materials, 2022, 15, 4074.	2.9	1
66	Norleucine metal complexes: comments on their equilibrium constants data. Reviews in Inorganic Chemistry, 2018, 38, 43-48.	4.1	0
67	Fast removal of methylene blue by modified sorel cement using manganese(VII) as an additive: kinetics, thermodynamics, and equilibrium studies. International Journal of Environmental Analytical Chemistry, 0, , 1-21.	3.3	0
68	Antimicrobial Activities Along With Spectrophotometric Assessment of Stability Constants of Copper (II) and Cobalt (II) With 1,2-Bis(2,5-dimethoxybenzylidene) Hydrazine. International Journal of Analytical Chemistry, 2022, 2022, 1-9.	1.0	0