

Mohamed Abd Elkodous

List of Publications by Year in descending order

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52
papers

2,047
citations

201674

27
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243625

44
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all docs

52
docs citations

52
times ranked

1463
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication, Characterization and Optical Investigation of Semi-organic Nonlinear Alanine Hippurate Single Crystals. <i>Journal of Cluster Science</i> , 2022, 33, 439-448.	3.3	3
2	Protective Role of Copper Oxide-Streptomycin Nano-drug Against Potato Brown Rot Disease Caused by <i>Ralstonia solanacearum</i> . <i>Journal of Cluster Science</i> , 2022, 33, 1373-1386.	3.3	13
3	Hepatocellular carcinoma cell line-microenvironment induced cancer-associated phenotype, genotype and functionality in mesenchymal stem cells. <i>Life Sciences</i> , 2022, 288, 120168.	4.3	9
4	Engineered magnetic oxides nanoparticles as efficient sorbents for wastewater remediation: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 519-562.	16.2	28
5	Applications of the amniotic membrane in tissue engineering and regeneration: the hundred-year challenge. <i>Stem Cell Research and Therapy</i> , 2022, 13, 8.	5.5	34
6	Enhanced photocatalytic and antimicrobial performance of a multifunctional Cu-loaded nanocomposite under UV light: theoretical and experimental study. <i>Nanoscale</i> , 2022, 14, 8306-8317.	5.6	15
7	Cutting-edge development in waste-recycled nanomaterials for energy storage and conversion applications. <i>Nanotechnology Reviews</i> , 2022, 11, 2215-2294.	5.8	13
8	Medical applications of biopolymer nanofibers. <i>Biomaterials Science</i> , 2022, 10, 4107-4118.	5.4	16
9	Engineered nanomaterials as fighters against SARS-CoV-2: The way to control and treat pandemics. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40409-40415.	5.3	19
10	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO ₂ hybrid matrix: optoelectronics and biotechnological aspects. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 385-449.	12.3	117
11	Gelatin Loaded Titanium Dioxide and Silver Oxide Nanoparticles: Implication for Skin Tissue Regeneration. <i>Biological Trace Element Research</i> , 2021, 199, 3688-3699.	3.5	8
12	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 410, 124657.	12.4	66
13	Advanced materials and technologies for supercapacitors used in energy conversion and storage: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 375-439.	16.2	255
14	Recent Trends of Recycled Carbon-Based Nanomaterials and Their Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 443-464.	1.6	1
15	Nanomaterial-based drug delivery systems as promising carriers for patients with COVID-19. <i>RSC Advances</i> , 2021, 11, 26463-26480.	3.6	29
16	An overview of methods for production and detection of silver nanoparticles, with emphasis on their fate and toxicological effects on human, soil, and aquatic environment. <i>Nanotechnology Reviews</i> , 2021, 10, 954-977.	5.8	46
17	Chitosan and EDTA conjugated graphene oxide antinematodes in Eggplant: Toward improving plant immune response. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 333-344.	7.5	34
18	MoS ₂ -based nanocomposites: synthesis, structure, and applications in water remediation and energy storage: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3645-3681.	16.2	48

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19	Influence of Ce ³⁺ Substitution on Antimicrobial and Antibiofilm Properties of Zn _{Cx} Fe _{2-\times} O ₄ Nanoparticles (X = 0.0, 0.02, 0.04, 0.06, and 0.08) Conjugated with Ebselen and Its Role Subsidised with ¹³⁷ I-Radiation in Mitigating Human TNBC and Colorectal Adenocarcinoma Proliferation In Vitro. International Journal of Molecular Sciences, 2021, 22, 10171.	4.1	18
20	Subacute silica nanoparticle exposure induced oxidative stress and inflammation in rat hippocampus combined with disruption of cholinergic system and behavioral functions. NanolImpact, 2021, 24, 100358.	4.5	6
21	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. Nanotechnology Reviews, 2021, 10, 1662-1739.	5.8	50
22	Dual Hyaluronic Acid and Folic Acid Targeting pH-Sensitive Multifunctional 2DG@DCA@MgO-Nano-Core@Shell-Radiosensitizer for Breast Cancer Therapy. Cancers, 2021, 13, 5571.	3.7	12
23	Recent advances in dye and metal ion removal using efficient adsorbents and novel nano-based materials: an overview. RSC Advances, 2021, 11, 36528-36553.	3.6	72
24	Proposed approaches for coronaviruses elimination from wastewater: Membrane techniques and nanotechnology solutions. Nanotechnology Reviews, 2021, 11, 1-25.	5.8	11
25	Carbon dots conjugated nanocomposite for the enhanced electrochemical performance of supercapacitor electrodes. RSC Advances, 2021, 11, 39636-39645.	3.6	4
26	Fabrication of Ultra-Pure Anisotropic Zinc Oxide Nanoparticles via Simple and Cost-Effective Route: Implications for UTI and EAC Medications. Biological Trace Element Research, 2020, 196, 297-317.	3.5	45
27	Comparison of different uncoated and starch-coated superparamagnetic iron oxide nanoparticles: Implications for stem cell tracking. International Journal of Biological Macromolecules, 2020, 143, 763-774.	7.5	45
28	Response Surface Methodology Optimization of Mono-dispersed MgO Nanoparticles Fabricated by Ultrasonic-Assisted Sol-Gel Method for Outstanding Antimicrobial and Antibiofilm Activities. Journal of Cluster Science, 2020, 31, 367-389.	3.3	106
29	Sustainability of One-Dimensional Nanostructures. , 2020, , 83-113.		25
30	Reliable optoelectronic switchable device implementation by CdS nanowires conjugated bent-core liquid crystal matrix. Organic Electronics, 2020, 82, 105592.	2.6	33
31	Factorial design-optimized and gamma irradiation-assisted fabrication of selenium nanoparticles by chitosan and Pleurotus ostreatus fermented fenugreek for a vigorous in vitro effect against carcinoma cells. International Journal of Biological Macromolecules, 2020, 156, 1584-1599.	7.5	39
32	Gum Arabic polymer-stabilized and Gamma rays-assisted synthesis of bimetallic silver-gold nanoparticles: Powerful antimicrobial and antibiofilm activities against pathogenic microbes isolated from diabetic foot patients. International Journal of Biological Macromolecules, 2020, 165, 169-186.	7.5	46
33	Carbon-dot-loaded Co _x Ni _{1-x} Fe ₂ O ₄ ; x=0.9/SiO ₂ /TiO ₂ nanocomposite with enhanced photocatalytic and antimicrobial potential: An engineered nanocomposite for wastewater treatment. Scientific Reports, 2020, 10, 11534.	3.3	48
34	Novel (MnO ₂ /Al) thermite colloid: an opportunity for energetic systems with enhanced performance. Journal of Materials Science: Materials in Electronics, 2020, 31, 21399-21407.	2.2	4
35	Controllable synthesis of Co _{1-x} M _x Fe ₂ O ₄ nanoparticles (M=Zn, Cu, and Mn; x=0.0 and 0.5) by cost-effective sol-gel approach: analysis of structure, elastic, thermal, and magnetic properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 9726-9741.	2.2	20
36	Nanostructured Mg substituted Mn-Zn ferrites: A magnetic recyclable catalyst for outstanding photocatalytic and antimicrobial potentials. Journal of Hazardous Materials, 2020, 399, 123000.	12.4	65

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37	Merits of photocatalytic and antimicrobial applications of gamma-irradiated $\text{Co}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4/\text{SiO}_2/\text{TiO}_2$ 0.9 nanocomposite for pyridine removal and pathogenic bacteria/fungi disinfection: implication for wastewater treatment. <i>RSC Advances</i> , 2020, 10, 5241-5259.	3.6	45
38	The effective antagonistic potential of plant growth-promoting rhizobacteria against <i>Alternaria solani</i> -causing early blight disease in tomato plant. <i>Scientia Horticulturae</i> , 2020, 266, 109289.	3.6	79
39	Unveiling the Effect of Zn^{2+} Substitution in Enrichment of Structural, Magnetic, and Dielectric Properties of Cobalt Ferrite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3709-3721.	3.7	39
40	Microbial acetylcholinesterase inhibitors for Alzheimer's therapy: recent trends on extraction, detection, irradiation-assisted production improvement and nano-structured drug delivery. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 4717-4735.	3.6	32
41	Synthesis of CuO-distributed carbon nanofiber: Alternative hybrid for solid propellants. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8212-8219.	2.2	11
42	Tissue Engineering Modalities and Nanotechnology. <i>Learning Materials in Biosciences</i> , 2020, , 289-322.	0.4	4
43	Dysregulated MicroRNA Fingerprints and Methylation Patterns in Hepatocellular Carcinoma, Cancer Stem Cells, and Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 229.	3.7	21
44	Growth dynamics of CBD-assisted CuS nanostructured thin-film: optical, dielectric and novel switchable device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16463-16477.	2.2	25
45	Therapeutic and diagnostic potential of nanomaterials for enhanced biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 411-428.	5.0	155
46	Engineered Nanomaterials as Potential Candidates for HIV Treatment: Between Opportunities and Challenges. <i>Journal of Cluster Science</i> , 2019, 30, 531-540.	3.3	37
47	Layer-by-layer preparation and characterization of recyclable nanocomposite ($\text{Co}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$)	2.2	53
48	Soft, Self-Assembly Liquid Crystalline Nanocomposite for Superior Switching. <i>Electronic Materials Letters</i> , 2019, 15, 84-101.	2.2	52
49	CdS nanowires encapsulated liquid crystal in-plane switching of LCD device. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10301-10310.	2.2	28
50	Aggrandize efficiency of ultra-thin silicon solar cell via topical clustering of silver nanoparticles. <i>Nano Structures Nano Objects</i> , 2018, 16, 224-233.	3.5	42
51	C-dots dispersed macro-mesoporous TiO_2 photocatalyst for effective waste water treatment. <i>Characterization and Application of Nanomaterials</i> , 2018, 1, .	0.2	20
52	Molecular identification of extended spectrum β -lactamases (ESBLs)-producing strains in clinical specimens from Tiruchirappalli, India. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.	3.1	1