

# Gharieb S El-Sayyad

## List of Publications by Year in descending order

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136  
papers

4,850  
citations

76031

42  
h-index

139680

61  
g-index

137  
all docs

137  
docs citations

137  
times ranked

3007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Impact of Reduced Graphene Oxide Incorporated Metal Oxide Nanocomposites as Antimicrobial, and Antibiofilm Agents Against Pathogenic Microbes: Bacterial Protein Leakage Reaction Mechanism. <i>Journal of Cluster Science</i> , 2023, 34, 823-840.	1.7	8
2	The Effect of Nano-chitosan and Nano-curcumin on Radiated Parotid Glands of Albino Rats: Comparative Study. <i>Journal of Cluster Science</i> , 2023, 34, 977-989.	1.7	4
3	Fabrication, Characterization and Optical Investigation of Semi-organic Nonlinear Alanine Hippurate Single Crystals. <i>Journal of Cluster Science</i> , 2022, 33, 439-448.	1.7	3
4	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.	1.7	13
5	Promising Antimicrobial and Azo Dye Removal Activities of Citric Acid-Functionalized Magnesium Ferrite Nanoparticles. <i>Journal of Cluster Science</i> , 2022, 33, 197-213.	1.7	13
6	Gamma Irradiation Assisted the Sol-Gel Method for Silver Modified-Nickel Molybdate Nanoparticles Synthesis: Unveiling the Antimicrobial, and Antibiofilm Activities Against Some Pathogenic Microbes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 728-740.	1.9	17
7	Mechanical, Thermal and Antimicrobial Properties of LLDPE/EVA/MMT/Ag Nanocomposites Films Synthesized by Gamma Irradiation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 631-645.	1.9	9
8	Engineered magnetic oxides nanoparticles as efficient adsorbents for wastewater remediation: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 519-562.	8.3	28
9	Insights on magnetic spinel ferrites for targeted drug delivery and hyperthermia applications. <i>Nanotechnology Reviews</i> , 2022, 11, 372-413.	2.6	39
10	Aspects of the physiochemical properties of SARS-CoV-2 to prevent S-protein receptor binding using Arabic gum. <i>Green Processing and Synthesis</i> , 2022, 11, 150-163.	1.3	1
11	Green synthesis of nanoparticles for varied applications: Green renewable resources and energy-efficient synthetic routes. <i>Nanotechnology Reviews</i> , 2022, 11, 731-759.	2.6	57
12	Antimicrobial synergism and antibiofilm activity of amoxicillin loaded citric acid-magnesium ferrite nanocomposite: Effect of UV-illumination, and membrane leakage reaction mechanism. <i>Microbial Pathogenesis</i> , 2022, 164, 105440.	1.3	13
13	Gamma radiation crosslinking of PVA/myrrh resin thin film for improving the post-harvest time of lemon fruits. <i>RSC Advances</i> , 2022, 12, 5619-5628.	1.7	5
14	Novel fabrication of SiO <sub>2</sub> /Ag nanocomposite by gamma irradiated <i>Fusarium oxysporum</i> to combat <i>Ralstonia solanacearum</i> . <i>AMB Express</i> , 2022, 12, 25.	1.4	8
15	Green materials (DL-methionine/abietic acid)-based epoxy acrylate as promising antimicrobial and antibiofilm agents, and corrosion inhibitors for electron beam curable steel coating in different corrosive media. <i>Progress in Organic Coatings</i> , 2022, 166, 106824.	1.9	6
16	Efficient removal of Deltamethrin (pyrethroid ester insecticide) from water using novel chemically activated carbon derived from the inner stem bark of <i>C. Verum</i> tree. <i>Applied Surface Science Advances</i> , 2022, 9, 100245.	2.9	4
17	Oxygen saturation measurements using novel diffused reflectance with hyperspectral imaging: Towards facile COVID-19 diagnosis. <i>Optical and Quantum Electronics</i> , 2022, 54, 322.	1.5	8
18	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.	2.8	15

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19	Radiation synthesis of pH-sensitive 2-(dimethylamino)ethyl methacrylate/ polyethylene oxide/ZnS nanocomposite hydrogel membrane for wound dressing application. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 73, 103399.	1.4	16
20	Multifunctional nanocomposites DDMplusAF inhibit the proliferation and enhance the radiotherapy of breast cancer cells via modulating tumor-promoting factors and metabolic reprogramming. <i>Cancer Nanotechnology</i> , 2022, 13, .	1.9	3
21	Gamma-Rays Induced Synthesis of Ag-Decorated ZnCo <sub>2</sub> O <sub>4</sub> â€“MoS <sub>2</sub> Heterostructure as Novel Photocatalyst and Effective Antimicrobial Agent for Wastewater Treatment Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3621-3639.	1.9	11
22	Silver nanoparticles coated medical fiber synthesized by surface engineering with bio-inspired mussel powered polydopamine: An investigated antimicrobial potential with bacterial membrane leakage reaction mechanism. <i>Microbial Pathogenesis</i> , 2022, 169, 105680.	1.3	9
23	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.	2.7	19
24	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO <sub>2</sub> hybrid matrix: optoelectronics and biotechnological aspects. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 385-449.	6.8	117
25	Antimicrobial and Photocatalytic Degradation Activities of Chitosan-coated Magnetite Nanocomposite. <i>Journal of Cluster Science</i> , 2021, 32, 1107-1119.	1.7	17
26	Reduced graphene oxide: a novel black body emitter for advanced infrared decoy flares. <i>Journal of Energetic Materials</i> , 2021, 39, 100-112.	1.0	7
27	Colloid Thermite Nanostructure: A Novel High Energy Density Material for Enhanced Explosive Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 559-565.	1.9	5
28	Controlling radiation degradation of a CMC solution to optimize the swelling of acrylic acid hydrogel as water and fertilizer carriers. <i>Polymers for Advanced Technologies</i> , 2021, 32, 514-524.	1.6	38
29	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 410, 124657.	6.5	66
30	Radiation synthesis of urea/hydrogel core shells coated with three different natural oils via a layer-by-layer approach: An investigation of their slow release and effects on plant growth-promoting rhizobacteria. <i>Progress in Organic Coatings</i> , 2021, 151, 106022.	1.9	11
31	Unveiling Antimicrobial Activity of Metal Iodide (CuI, AgI, and PbI <sub>2</sub> ) Nanoparticles: Towards Biomedical Surfaces Applications. <i>Journal of Cluster Science</i> , 2021, 32, 1-16.	1.7	21
32	Recent Trends of Recycled Carbon-Based Nanomaterials and Their Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 443-464.	1.4	1
33	Antibacterial and antibiofilm activities of silver-decorated zinc ferrite nanoparticles synthesized by a gamma irradiation-coupled solâ€“gel method against some pathogenic bacteria from medical operating room surfaces. <i>RSC Advances</i> , 2021, 11, 28361-28374.	1.7	34
34	Study of the corrosion-inhibiting activity of the green materials of the <i>Posidonia oceanica</i> leavesâ€™ ethanolic extract based on PVP in corrosive media (1% M of HCl). <i>Green Processing and Synthesis</i> , 2021, 10, 555-568.	1.3	5
35	Ferric oxide colloid: novel nanocatalyst for heterocyclic nitramines. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4185-4195.	1.1	9
36	Nanomaterial-based drug delivery systems as promising carriers for patients with COVID-19. <i>RSC Advances</i> , 2021, 11, 26463-26480.	1.7	29

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37	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.	2.6	46
38	Synergistic Catalytic Effect of Thermite Nanoparticles on HMX Thermal Decomposition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2293-2305.	1.9	16
39	Improving the diagnosis of bovine tuberculosis using gold nanoparticles conjugated with purified protein derivative: special regard to staphylococcal protein A and streptococcal protein G. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29200-29220.	2.7	2
40	The potential impact of Octopus cyanea extracts to improve eggplant resistance against Fusarium-wilt disease: in vivo and in vitro studies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35854-35869.	2.7	13
41	Impact of Silver Nanoparticles Synthesized by Irradiated Polyvinylpyrrolidone on Spodoptera littoralis Nucleopolyhedrosis Virus Activity. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3364-3374.	2.4	14
42	Bio-inspired metastable intermolecular nanothermite composite based on Manganese dioxide/Polydopamine/Aluminium. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9158-9170.	1.1	8
43	Superior visible light antimicrobial performance of facet engineered cobalt doped TiO <sub>2</sub> mesocrystals in pathogenic bacterium and fungi. <i>Scientific Reports</i> , 2021, 11, 5609.	1.6	32
44	Nutritional manipulation to combat heat stress in poultry – A comprehensive review. <i>Journal of Thermal Biology</i> , 2021, 98, 102915.	1.1	87
45	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.	3.6	34
46	Nanocomposite of cosubstituted carbonated hydroxyapatite fabricated inside Poly(sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T regeneration. <i>Radiation Physics and Chemistry</i> , 2021, 183, 109408.	1.4	37
47	MoS <sub>2</sub> -based nanocomposites: synthesis, structure, and applications in water remediation and energy storage: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3645-3681.	8.3	48
48	Gamma radiation synthesis of a novel amphiphilic terpolymer hydrogel pH-responsive based chitosan for colon cancer drug delivery. <i>Carbohydrate Polymers</i> , 2021, 263, 117975.	5.1	40
49	Superior spectral fluorescence signature of novel illuminated melamine resin for industrial explosive detection. <i>Optics and Laser Technology</i> , 2021, 140, 107066.	2.2	5
50	Colloidal Nanothermite Particles: Advanced Nanocatalyst and Energy Dense Material for Ammonium Perchlorates. <i>Journal of Electronic Materials</i> , 2021, 50, 6128-6134.	1.0	3
51	Thermochemical Aspects of Activated Ammonium Perchlorates with Superior Thermal Stability, Decomposition Enthalpy, Propagation Index, and Decomposition Kinetic Parameters. <i>Journal of Thermal Science</i> , 2021, 30, 2196-2201.	0.9	3
52	Gamma irradiation-assisted synthesis of PANi/Ag/MoS <sub>2</sub> /LiCo <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposite: Efficiency evaluation of photocatalytic bisphenol A degradation and microbial decontamination from wastewater. <i>Optical Materials</i> , 2021, 119, 111396.	1.7	36
53	Influence of Ce <sup>3+</sup> Substitution on Antimicrobial and Antibiofilm Properties of ZnCe <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> Nanoparticles (X = 0.0, 0.02, 0.04, 0.06, and 0.08) Conjugated with Ebselen and Its Role Subsidised with $\beta$ -Radiation in Mitigating Human TNBC and Colorectal Adenocarcinoma Proliferation In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10171.	1.8	18
54	Preparation and characterization of new adsorbent from Cinnamon waste by physical activation for removal of Chlorpyrifos. <i>Environmental Challenges</i> , 2021, 5, 100208.	2.0	19

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55	Graphene oxide and its nanocomposites with EDTA or chitosan induce apoptosis in MCF-7 human breast cancer. RSC Advances, 2021, 11, 29052-29064.	1.7	70
56	Promising antimicrobial and antibiofilm activities of reduced graphene oxide-metal oxide (RGO-NiO <sub>2</sub> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	59
57	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. Nanotechnology Reviews, 2021, 10, 1662-1739.	2.6	50
58	Total RNA nonlinear polarization: towards facile early diagnosis of breast cancer. RSC Advances, 2021, 11, 33319-33325.	1.7	3
59	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.	1.7	12
60	Proposed approaches for coronaviruses elimination from wastewater: Membrane techniques and nanotechnology solutions. Nanotechnology Reviews, 2021, 11, 1-25.	2.6	11
61	Nanobiotic formulations as promising advances for combating MRSA resistance: susceptibilities and post-antibiotic effects of clindamycin, doxycycline, and linezolid. RSC Advances, 2021, 11, 39696-39706.	1.7	5
62	Penicillium chrysogenum-Mediated Mycogenic Synthesis of Copper Oxide Nanoparticles Using Gamma Rays for In Vitro Antimicrobial Activity Against Some Plant Pathogens. Journal of Cluster Science, 2020, 31, 79-90.	1.7	87
63	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.	1.9	45
64	Gentamicin-Assisted Mycogenic Selenium Nanoparticles Synthesized Under Gamma Irradiation for Robust Reluctance of Resistant Urinary Tract Infection-Causing Pathogens. Biological Trace Element Research, 2020, 195, 323-342.	1.9	46
65	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.	1.7	106
66	Facile Biosynthesis of Tellurium Dioxide Nanoparticles by Streptomyces cyaneus Melanin Pigment and Gamma Radiation for Repressing Some Aspergillus Pathogens and Bacterial Wound Cultures. Journal of Cluster Science, 2020, 31, 147-159.	1.7	20
67	Antibacterial and Antibiofilm Potential of Mono-dispersed Stable Copper Oxide Nanoparticles-Streptomycin Nano-drug: Implications for Some Potato Plant Bacterial Pathogen Treatment. Journal of Cluster Science, 2020, 31, 1021-1040.	1.7	21
68	Surface modified colloidal silica nanoparticles: Novel aspect for complete identification of explosive materials. Talanta, 2020, 211, 120695.	2.9	10
69	Influence of Mg <sup>2+</sup> substitution on structural, optical, magnetic, and antimicrobial properties of Mn <sup>2+</sup> -Zn ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 2598-2616.	1.1	66
70	Reliable optoelectronic switchable device implementation by CdS nanowires conjugated bent-core liquid crystal matrix. Organic Electronics, 2020, 82, 105592.	1.4	33
71	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.	3.6	39
72	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.	3.6	46

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73	Facile synthesis of RGO-Fe <sub>2</sub> O <sub>3</sub> nanocomposite: A novel catalyzing agent for composite propellants. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20805-20815.	1.1	23
74	Carbon-dot-loaded Co <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> ; x=0.9/SiO <sub>2</sub> /TiO <sub>2</sub> nanocomposite with enhanced photocatalytic and antimicrobial potential: An engineered nanocomposite for wastewater treatment. <i>Scientific Reports</i> , 2020, 10, 11534.	1.6	48
75	Characterization of Starch-based three components of gamma-ray cross-linked hydrogels to be used as a soil conditioner. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 260, 114645.	1.7	40
76	Sustainable preparation of gold nanoparticles via green chemistry approach for biogenic applications. <i>Materials Today Chemistry</i> , 2020, 17, 100327.	1.7	63
77	Graphene oxide-based nanocomposites (GO-chitosan and GO-EDTA) for outstanding antimicrobial potential against some <i>Candida</i> species and pathogenic bacteria. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1370-1383.	3.6	50
78	The potentials of TiO <sub>2</sub> nanocatalyst on HMX thermolysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14930-14940.	1.1	11
79	Novel (MnO <sub>2</sub> /Al) thermite colloid: an opportunity for energetic systems with enhanced performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21399-21407.	1.1	4
80	Improvement of In Vitro Dissolution of the Poor Water-Soluble Amlodipine Drug by Solid Dispersion with Irradiated Polyvinylpyrrolidone. <i>ACS Omega</i> , 2020, 5, 21476-21487.	1.6	42
81	Radiation Synthesis of Rapidly Self-Healing Hydrogel Derived from Poly(acrylic acid) with Good Mechanical Strength. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000218.	1.1	34
82	Controllable synthesis of Co <sub>1-x</sub> M <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> 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. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9726-9741.	1.1	20
83	Nanostructured Mg substituted Mn-Zn ferrites: A magnetic recyclable catalyst for outstanding photocatalytic and antimicrobial potentials. <i>Journal of Hazardous Materials</i> , 2020, 399, 123000.	6.5	65
84	Multi-component nanocomposite infrared flare with superior infrared signature via synergism of nanothermite and reduced graphene oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11520-11526.	1.1	7
85	Nystatin-mediated bismuth oxide nano-drug synthesis using gamma rays for increasing the antimicrobial and antibiofilm activities against some pathogenic bacteria and <i>Candida</i> species. <i>RSC Advances</i> , 2020, 10, 9274-9289.	1.7	51
86	Radiation Synthesis of Organostarch as Fluorescence Label. <i>Asian Journal of Chemistry</i> , 2020, 32, 1799-1805.	0.1	1
87	Merits of photocatalytic and antimicrobial applications of gamma-irradiated Co <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> ; x=0.9 nanocomposite for pyridine removal and pathogenic bacteria/fungi disinfection: implication for wastewater treatment. <i>RSC Advances</i> , 2020, 10, 5241-5259.	1.7	45
88	Novel nanocomposite decoy flare based on super-thermite and graphite particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6130-6139.	1.1	7
89	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.	1.7	79
90	Unveiling the Effect of Zn <sup>2+</sup> 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.	1.9	39



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91	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.	1.7	32
92	Synthesis of CuO-distributed carbon nanofiber: Alternative hybrid for solid propellants. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8212-8219.	1.1	11
93	Semi-permeable membrane fabricated from organoclay/PS/EVA irradiated by $\gamma$ -rays for water purification from dyes. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6134-6145.	2.6	32
94	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.	1.1	25
95	Therapeutic and diagnostic potential of nanomaterials for enhanced biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 411-428.	2.5	155
96	A new cationic silver(I)/melamine coordination polymer, $[Ag_2(\text{melamine})]^{2+}$ : Synthesis, characterization and potential use for aqueous contaminant anion exchange. <i>Journal of Solid State Chemistry</i> , 2019, 274, 168-175.	1.4	21
97	Incorporation of Mn <sup>2+</sup> into cobalt ferrite via sol-gel method: insights on induced changes in the structural, thermal, dielectric, and magnetic properties. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 631-642.	1.1	59
98	Engineered Nanomaterials as Potential Candidates for HIV Treatment: Between Opportunities and Challenges. <i>Journal of Cluster Science</i> , 2019, 30, 531-540.	1.7	37
99	Potential Nematicidal Properties of Silver Boron Nanoparticles: Synthesis, Characterization, In Vitro and In Vivo Root-Knot Nematode ( <i>Meloidogyne incognita</i> ) Treatments. <i>Journal of Cluster Science</i> , 2019, 30, 687-705.	1.7	39
100	Antibiofilm and Antimicrobial Activities of Silver Boron Nanoparticles Synthesized by PVP Polymer and Gamma Rays Against Urinary Tract Pathogens. <i>Journal of Cluster Science</i> , 2019, 30, 947-964.	1.7	54
101	<i>Spirulina platensis</i> -Polysaccharides Promoted Green Silver Nanoparticles Production Using Gamma Radiation to Suppress the Expansion of Pear Fire Blight-Producing <i>Erwinia amylovora</i> . <i>Journal of Cluster Science</i> , 2019, 30, 919-935.	1.7	29
102	Layer-by-layer preparation and characterization of recyclable nanocomposite (CoxNi <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.1	53
103	Tunable structures of copper substituted cobalt nanoferrites with prospective electrical and magnetic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4908-4919.	1.1	61
104	Radiation crosslinking of acrylic acid/acrylonitrile-silver nitrate hydrogel as a sensitive glucose nanosensor. <i>Polymer Bulletin</i> , 2019, 76, 6245-6255.	1.7	12
105	Antibacterial, antibiofilm, and photocatalytic activities of metals-substituted spinel cobalt ferrite nanoparticles. <i>Microbial Pathogenesis</i> , 2019, 127, 144-158.	1.3	143
106	Elaboration of nano titania-magnetic reduced graphene oxide for degradation of tartrazine dye in aqueous solution. <i>Solid State Sciences</i> , 2018, 78, 116-125.	1.5	70
107	Antimicrobial activity of metal-substituted cobalt ferrite nanoparticles synthesized by sol-gel technique. <i>Particuology</i> , 2018, 40, 141-151.	2.0	241
108	Pellets of magnetized polyethylene (Fe <sub>3</sub> O <sub>4</sub> /PE) wax from gamma irradiated polyethylene: synthesis and characterization. <i>International Journal of Plastics Technology</i> , 2018, 22, 1-9.	2.9	2

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109	Bio-genic synthesis of copper nanoparticles by natural polysaccharides and <i>Pleurotus ostreatus</i> fermented fenugreek using gamma rays with antioxidant and antimicrobial potential towards some wound pathogens. <i>Microbial Pathogenesis</i> , 2018, 118, 159-169.	1.3	89
110	pH sensitive stimuli-responsive poly(acrylamide-co-sodium alginate) hydrogels prepared by $\gamma$ -radiation for improved compressive strength of concrete. <i>Advances in Polymer Technology</i> , 2018, 37, 2123-2133.	0.8	38
111	Radiation Preparation of Conducting Nanocomposite Membrane Based on (Copper/Polyacrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Inorganic and Organometallic Polymers and Materials, 2018, 28, 2297-2305.	1.9	14
112	One-pot green synthesis of magnesium oxide nanoparticles using <i>Penicillium chrysogenum</i> melanin pigment and gamma rays with antimicrobial activity against multidrug-resistant microbes. <i>Advanced Powder Technology</i> , 2018, 29, 2616-2625.	2.0	112
113	Synthesis and characterization of metals-substituted cobalt ferrite [Mx Co(1-x) Fe2O4; (M = Zn, Cu and Tj ETQq1 1 0.784314 rgBT /Overlock 1 biological samples. <i>Materials Science and Engineering C</i> , 2018, 92, 644-656.	3.8	149
114	Radiation Crosslinking of Modifying Super Absorbent (Polyacrylamide/Gelatin) Hydrogel as Fertilizers Carrier and Soil Conditioner. <i>Journal of Polymers and the Environment</i> , 2018, 26, 3981-3994.	2.4	35
115	Synthesis of Metallic Silver Nanoparticles by Fluconazole Drug and Gamma Rays to Inhibit the Growth of Multidrug-Resistant Microbes. <i>Journal of Cluster Science</i> , 2018, 29, 1003-1015.	1.7	59
116	Biomolecules-mediated synthesis of selenium nanoparticles using <i>Aspergillus oryzae</i> fermented Lupin extract and gamma radiation for hindering the growth of some multidrug-resistant bacteria and pathogenic fungi. <i>Microbial Pathogenesis</i> , 2018, 122, 108-116.	1.3	129
117	Phosphorylation of chitosan/HEMA interpenetrating polymer network prepared by $\gamma$ -radiation for metal ions removal from aqueous solutions. <i>Carbohydrate Polymers</i> , 2017, 162, 16-27.	5.1	59
118	pH-sensitive wax emulsion copolymerization with acrylamide hydrogel using gamma irradiation for dye removal. <i>Radiation Physics and Chemistry</i> , 2017, 134, 47-55.	1.4	56
119	Combined ultrasonic and gamma-irradiation to prepare TiO2@PET-g-PAAc fabric composite for self-cleaning application. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 529-535.	3.8	46
120	Controlled release fertilizers using superabsorbent hydrogel prepared by gamma radiation. <i>Radiochimica Acta</i> , 2017, 105, 865-876.	0.5	55
121	Effect of sulfonated groups on the proton and methanol transport behavior of irradiated PS/PEVA membrane. <i>International Journal of Plastics Technology</i> , 2017, 21, 130-143.	2.9	6
122	Synthesis of silver nanoparticles using natural pigments extracted from Alfalfa leaves and its use for antimicrobial activity. <i>Chemical Papers</i> , 2017, 71, 2271-2281.	1.0	80
123	Melanin-gamma rays assistants for bismuth oxide nanoparticles synthesis at room temperature for enhancing antimicrobial, and photocatalytic activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 120-139.	1.7	73
124	In-situ core-shell polymerization of magnetic polymer nanocomposite (PAAc/Fe <sub>3</sub> O <sub>4</sub> ) particles via gamma radiation. <i>Nanocomposites</i> , 2017, 3, 42-46.	2.2	10
125	Radiation crosslinked magnetized wax (PE/Fe <sub>3</sub> O <sub>4</sub> ) nano composite for selective oil adsorption. <i>Composites Communications</i> , 2017, 3, 18-22.	3.3	29
126	Radiation synthesis of acrylic acid onto poly(tetrafluoroethylene-perfluorovinyl ether) film: Chemical modifications and electrical conductivity. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017, 54, 598-604.	1.2	3



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133	Biodiesel Production by Aspergillus niger Lipase Immobilized on Barium Ferrite Magnetic Nanoparticles. Bioengineering, 2016, 3, 14.	1.6	44
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