

M Alsalhi

List of Publications by Year in descending order

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Version: 2024-02-01

256
papers

8,151
citations

50170

46
h-index

66788

78
g-index

263
all docs

263
docs citations

263
times ranked

10216
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticle applications and human health. <i>Clinica Chimica Acta</i> , 2010, 411, 1841-1848.	0.5	1,072
2	Oxidative stress mediated apoptosis induced by nickel ferrite nanoparticles in cultured A549 cells. <i>Toxicology</i> , 2011, 283, 101-108.	2.0	279
3	Recent Advances in Conjugated Polymers for Light Emitting Devices. <i>International Journal of Molecular Sciences</i> , 2011, 12, 2036-2054.	1.8	235
4	Structural and thermal studies of silver nanoparticles and electrical transport study of their thin films. <i>Nanoscale Research Letters</i> , 2011, 6, 434.	3.1	230
5	ZnO nanorod-induced apoptosis in human alveolar adenocarcinoma cells via p53, survivin and bax/bcl-2 pathways: role of oxidative stress. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 904-913.	1.7	209
6	Dual-ion batteries: The emerging alternative rechargeable batteries. <i>Energy Storage Materials</i> , 2020, 25, 1-32.	9.5	160
7	Structural engineering of hydrated vanadium oxide cathode by K ⁺ incorporation for high-capacity and long-cycling aqueous zinc ion batteries. <i>Energy Storage Materials</i> , 2020, 29, 9-16.	9.5	139
8	Green synthesis, characterization and evaluation of biocompatibility of silver nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1266-1271.	1.3	125
9	Enhancement of polycrystalline silicon solar cells using ultrathin films of silicon nanoparticle. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	119
10	Eco-friendly green synthesis of silver nanoparticles from the sesame oil cake and its potential anticancer and antimicrobial activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 192, 83-89.	1.7	116
11	Green synthesis of silver nanoparticles using Pimpinella anisum seeds: antimicrobial activity and cytotoxicity on human neonatal skin stromal cells and colon cancer cells. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4439-4449.	3.3	111
12	Multipurpose effectiveness of <i>Couroupita guianensis</i> -synthesized gold nanoparticles: high antiplasmodial potential, field efficacy against malaria vectors and synergy with <i>Aplocheilus lineatus</i> predators. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7543-7558.	2.7	111
13	Sequential electrochemical oxidation and bio-treatment of the azo dye congo red and textile effluent. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 200, 111655.	1.7	111
14	Enhanced Reversible Zinc Ion Intercalation in Deficient Ammonium Vanadate for High-Performance Aqueous Zinc-Ion Battery. <i>Nano-Micro Letters</i> , 2021, 13, 116.	14.4	111
15	Hydrothermal synthesis of titanium dioxide nanoparticles: mosquitocidal potential and anticancer activity on human breast cancer cells (MCF-7). <i>Parasitology Research</i> , 2016, 115, 1085-1096.	0.6	110
16	Antimicrobial and Cytotoxicity Effects of Synthesized Silver Nanoparticles from <i>Punica granatum</i> Peel Extract. <i>Nanoscale Research Letters</i> , 2018, 13, 315.	3.1	107
17	Hydrothermal Growth of Vertically Aligned ZnO Nanorods Using a Biocomposite Seed Layer of ZnO Nanoparticles. <i>Materials</i> , 2013, 6, 3584-3597.	1.3	93
18	Antimicrobial and catalytic activities of biosynthesized gold, silver and palladium nanoparticles from <i>Solanum nigurum</i> leaves. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 202, 111713.	1.7	92

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19	Green Synthesis of Silver Nanoparticles Using the Flower Extract of <i>Abelmoschus esculentus</i> for Cytotoxicity and Antimicrobial Studies. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3343-3356.	3.3	91
20	Green fabrication, characterization and antibacterial potential of zinc oxide nanoparticles using <i>Aloe socotrina</i> leaf extract: A novel drug delivery approach. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101465.	1.4	83
21	Fighting arboviral diseases: low toxicity on mammalian cells, dengue growth inhibition (in vitro), and mosquitocidal activity of <i>Centrocercas clavulatum</i> -synthesized silver nanoparticles. <i>Parasitology Research</i> , 2016, 115, 651-662.	0.6	82
22	Chitosan overlaid Fe ₃ O ₄ /rGO nanocomposite for targeted drug delivery, imaging, and biomedical applications. <i>Scientific Reports</i> , 2020, 10, 18912.	1.6	79
23	Optical and structural properties of CsPbBr ₃ perovskite quantum dots/PFO polymer composite thin films. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 426-434.	5.0	77
24	In vivo and in vitro effectiveness of <i>Azadirachta indica</i> -synthesized silver nanocrystals against <i>Plasmodium berghei</i> and <i>Plasmodium falciparum</i> , and their potential against malaria mosquitoes. <i>Research in Veterinary Science</i> , 2016, 106, 14-22.	0.9	71
25	Synthesis of silver nanoparticles using plant derived 4-N-methyl benzoic acid and evaluation of antimicrobial, antioxidant and antitumor activity. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 970-978.	1.8	66
26	Microwave-assisted synthesis of silver nanoparticles using poly-N-isopropylacrylamide/acrylic acid microgel particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 356-360.	2.3	65
27	3D nanorhombus nickel nitride as stable and cost-effective counter electrodes for dye-sensitized solar cells and supercapacitor applications. <i>RSC Advances</i> , 2018, 8, 8828-8835.	1.7	62
28	Bio-electrokinetic remediation of crude oil contaminated soil enhanced by bacterial biosurfactant. <i>Journal of Hazardous Materials</i> , 2021, 405, 124061.	6.5	62
29	A straightforward synthesis of visible light driven BiFeO ₃ /AgVO ₃ nanocomposites with improved photocatalytic activity. <i>Environmental Pollution</i> , 2021, 269, 116067.	3.7	61
30	DNA barcoding and molecular evolution of mosquito vectors of medical and veterinary importance. <i>Parasitology Research</i> , 2016, 115, 107-121.	0.6	60
31	Cancer diagnosis by autofluorescence of blood components*1. <i>Journal of Luminescence</i> , 2004, 109, 143-154.	1.5	58
32	Metal-enhanced fluorescence of mixed coumarin dyes by silver and gold nanoparticles: Towards plasmonic thin-film luminescent solar concentrator. <i>Journal of Luminescence</i> , 2013, 143, 43-49.	1.5	58
33	Characterization and mosquitocidal potential of neem cake-synthesized silver nanoparticles: genotoxicity and impact on predation efficiency of mosquito natural enemies. <i>Parasitology Research</i> , 2016, 115, 1015-1025.	0.6	58
34	Influences of Co doping on the structural and optical properties of ZnO nanostructured. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 45-51.	1.1	57
35	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in V ₂ O ₅ /PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16647-16655.	4.0	57
36	Synthesis by <i>in situ</i> chemical oxidative polymerization and characterization of polyaniline/iron oxide nanoparticle composite. <i>Polymer International</i> , 2010, 59, 1690-1694.	1.6	54

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37	Prospects of Nanotechnology in Clinical Immunodiagnostics. <i>Sensors</i> , 2010, 10, 6535-6581.	2.1	54
38	Biosynthesis, characterization, and acute toxicity of <i>Berberis tinctoria</i> -fabricated silver nanoparticles against the Asian tiger mosquito, <i>Aedes albopictus</i> , and the mosquito predators <i>Toxorhynchites splendens</i> and <i>Mesocyclops thermocyclopoidea</i> . <i>Parasitology Research</i> , 2016, 115, 751-759.	0.6	53
39	Effect of Urea on the Morphology of Co_3O_4 Nanostructures and Their Application for Potentiometric Glucose Biosensor. <i>Electroanalysis</i> , 2014, 26, 1773-1781.	1.5	52
40	Ureolytic bacteria mediated synthesis of hairy ZnO nanostructure as photocatalyst for decolorization of dyes. <i>Materials Chemistry and Physics</i> , 2020, 243, 122619.	2.0	50
41	Fabrication of novel $\text{AgVO}_3/\text{BiOI}$ nanocomposite photocatalyst with photoelectrochemical activity towards the degradation of Rhodamine B under visible light irradiation. <i>Environmental Research</i> , 2021, 200, 111365.	3.7	50
42	Biogenesis of selenium nanoparticles and their anti-leukemia activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 2520-2526.	1.6	50
43	Fluorescence spectra of blood and urine for cervical cancer detection. <i>Journal of Biomedical Optics</i> , 2012, 17, 0980011.	1.4	49
44	Potentiometric glucose sensor based on the glucose oxidase immobilized iron ferrite magnetic particle/chitosan composite modified gold coated glass electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 698-703.	4.0	49
45	Structural and spectroscopic studies of thin film of silver nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 10607-10612.	3.1	47
46	Analysis of the combined effect of lasers of different wavelengths for PDT outcome using 600, 630, and 660 nm. <i>Laser Physics Letters</i> , 2011, 8, 386-392.	0.6	47
47	Rapid Biological Synthesis of Silver Nanoparticles Using Plant Seed Extracts and Their Cytotoxicity on Colorectal Cancer Cell Lines. <i>Journal of Cluster Science</i> , 2017, 28, 595-605.	1.7	46
48	Magnetic nanoparticles are highly toxic to chloroquine-resistant <i>Plasmodium falciparum</i> , dengue virus (DEN-2), and their mosquito vectors. <i>Parasitology Research</i> , 2017, 116, 495-502.	0.6	46
49	Essential oils of two medicinal plants and protective properties of jack fruits against the spoilage bacteria and fungi. <i>Industrial Crops and Products</i> , 2020, 147, 112239.	2.5	46
50	Fabrication of Well-Aligned ZnO Nanorods Using a Composite Seed Layer of ZnO Nanoparticles and Chitosan Polymer. <i>Materials</i> , 2013, 6, 4361-4374.	1.3	45
51	Designing of PVA/Rose Bengal long-pass optical window applications. <i>Results in Physics</i> , 2017, 7, 1238-1244.	2.0	45
52	<p>Cytotoxic and Antimicrobial Efficacy of Silver Nanoparticles Synthesized Using a Traditional Phytoproduct, Asafoetida Gum<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4351-4362.	3.3	44
53	Predictive capability evaluation and optimization of Pb(II) removal by reduced graphene oxide-based inverse spinel nickel ferrite nanocomposite. <i>Environmental Research</i> , 2022, 204, 112029.	3.7	44
54	Double layered plasmonic thin-film luminescent solar concentrators based on polycarbonate supports. <i>Renewable Energy</i> , 2014, 63, 642-649.	4.3	41

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55	Concentration, source apportionment and potential carcinogenic risks of polycyclic aromatic hydrocarbons (PAHs) in roadside soils. <i>Chemosphere</i> , 2022, 292, 133413.	4.2	40
56	Carbon and silver nanoparticles in the fight against the filariasis vector <i>Culex quinquefasciatus</i> : genotoxicity and impact on behavioral traits of non-target aquatic organisms. <i>Parasitology Research</i> , 2016, 115, 1071-1083.	0.6	39
57	Biological mediated synthesis of RGO-ZnO composites with enhanced photocatalytic and antibacterial activity. <i>Journal of Hazardous Materials</i> , 2021, 409, 124661.	6.5	39
58	Photo-catalytic Killing of HeLa Cancer Cells Using Facile Synthesized Pure and Ag Loaded WO ₃ Nanoparticles. <i>Scientific Reports</i> , 2018, 8, 15224.	1.6	38
59	Evaluation of the anticancer potential of Hexadecanoic acid from brown algae <i>Turbinaria ornata</i> on HT-29 colon cancer cells. <i>Journal of Molecular Structure</i> , 2021, 1235, 130229.	1.8	38
60	Fabrication of nano-mosquitocides using chitosan from crab shells: Impact on non-target organisms in the aquatic environment. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 318-328.	2.9	37
61	High toxicity of camphene and β -elemene from <i>Wedelia prostrata</i> essential oil against larvae of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Environmental Science and Pollution Research</i> , 2018, 25, 10383-10391.	2.7	37
62	Biosurfactant mediated bioelectrokinetic remediation of diesel contaminated environment. <i>Chemosphere</i> , 2021, 264, 128377.	4.2	36
63	Metagenomic analysis of microbial community and its role in bioelectrokinetic remediation of tannery contaminated soil. <i>Journal of Hazardous Materials</i> , 2021, 412, 125133.	6.5	35
64	Potentiometric urea biosensor utilizing nanobiocomposite of chitosan-iron oxide magnetic nanoparticles. <i>Journal of Physics: Conference Series</i> , 2013, 414, 012024.	0.3	32
65	Chitosan-fabricated Ag nanoparticles and larvivorous fishes: a novel route to control the coastal malaria vector <i>Anopheles sudaicus</i> ?. <i>Hydrobiologia</i> , 2017, 797, 335-350.	1.0	32
66	Microwave-Assisted Synthesis of Nickel Oxide Nanoparticles Using <i>Coriandrum sativum</i> Leaf Extract and Their Structural-Magnetic Catalytic Properties. <i>Materials</i> , 2017, 10, 460.	1.3	32
67	Antimicrobial and anticancer properties of <i>Carica papaya</i> leaves derived di-methyl flubendazole mediated silver nanoparticles. <i>Journal of Infection and Public Health</i> , 2021, 14, 577-587.	1.9	32
68	Optoelectronic property enhancement of conjugated polymer in poly(9,9-dioctylfluorenyl-2,7-diyl)/titania nanocomposites. <i>Thin Solid Films</i> , 2012, 524, 257-262.	0.8	31
69	Impact of dysprosium doped (Dy) zinc ferrite (ZnFe ₂ O ₄) nanocrystals in photo-fenton exclusion of recalcitrant organic pollutant. <i>Environmental Research</i> , 2022, 203, 111913.	3.7	31
70	Bioreduction of hexavalent chromium by chromium resistant alkalophilic bacteria isolated from tannery effluent. <i>Journal of King Saud University - Science</i> , 2020, 32, 1969-1977.	1.6	30
71	Optical and electrical properties of electrochemically deposited polyaniline/CeO ₂ hybrid nanocomposite film. <i>Journal of Semiconductors</i> , 2011, 32, 043001.	2.0	29
72	Elemental analysis of fertilizer using laser induced breakdown spectroscopy. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2012, 112, 874-880.	0.2	29

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73	Green synthesis of plasmonic nanoparticles using <i>Sargassum ilicifolium</i> and application in photocatalytic degradation of cationic dyes. <i>Environmental Research</i> , 2022, 208, 112642.	3.7	29
74	Chitosan magnetic graphene grafted polyaniline doped with cobalt oxide for removal of Arsenic(V) from water. <i>Environmental Research</i> , 2022, 207, 112209.	3.7	28
75	Characterization of bacterial community in oil-contaminated soil and its biodegradation efficiency of high molecular weight (>C40) hydrocarbon. <i>Chemosphere</i> , 2022, 289, 133168.	4.2	28
76	Phytosynthesis of silver nanoparticles from <i>Jatropha integerrima</i> Jacq. flower extract and their possible applications as antibacterial and antioxidant agent. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 680-688.	1.8	28
77	Crystallite structural, electrical and luminescent characteristics of thin films of In ₂ O ₃ nanocubes synthesized by spray pyrolysis. <i>Electronic Materials Letters</i> , 2013, 9, 53-57.	1.0	27
78	Impact and Role of Bacterial Communities on Biocorrosion of Metals Used in the Processing Industry. <i>ACS Omega</i> , 2019, 4, 21353-21360.	1.6	27
79	One pot synthesis of silver nanocrystals using the seaweed <i>Gracilaria edulis</i> : biophysical characterization and potential against the filariasis vector <i>Culex quinquefasciatus</i> and the midge <i>Chironomus circumdatus</i> . <i>Journal of Applied Phycology</i> , 2017, 29, 649-659.	1.5	26
80	Spectral Properties of PMMA Films Doped by Perylene Dye-stuffs for Photoselective Greenhouse Cladding Applications. <i>Polymers</i> , 2019, 11, 494.	2.0	26
81	Synthesis of NiO nanoparticles and their evaluation for photodynamic therapy against HeLa cancer cells. <i>Journal of King Saud University - Science</i> , 2020, 32, 1395-1402.	1.6	26
82	Laser from the dimer state of a conjugated polymer (PFO) in solution. <i>Polymer</i> , 2014, 55, 727-732.	1.8	25
83	Characterization of crude oil degrading bacterial communities and their impact on biofilm formation. <i>Environmental Pollution</i> , 2021, 286, 117556.	3.7	25
84	Environmental friendly synthesis of carbon nanoplates supported ZnO nanorods for enhanced degradation of dyes and organic pollutants with visible light driven photocatalytic performance. <i>Journal of King Saud University - Science</i> , 2020, 32, 1081-1087.	1.6	24
85	Curcumin-encased hydroxyapatite nanoparticles as novel biomaterials for antimicrobial, antioxidant and anticancer applications: A perspective of nano-based drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101752.	1.4	24
86	Förster-type energy transfer mechanism in PF2/6 to MEH-PPV conjugated polymers. <i>Journal of Luminescence</i> , 2012, 132, 386-390.	1.5	23
87	Enhanced Optoelectronic Properties of PFO/Fluorol 7GA Hybrid Light Emitting Diodes via Additions of TiO ₂ Nanoparticles. <i>Polymers</i> , 2016, 8, 334.	2.0	23
88	Smoking Induced Hemolysis: Spectral and microscopic investigations. <i>Scientific Reports</i> , 2016, 6, 21095.	1.6	23
89	Mangrove Helps: <i>Sonneratia alba</i> -Synthesized Silver Nanoparticles Magnify Guppy Fish Predation Against <i>Aedes aegypti</i> Young Instars and Down-Regulate the Expression of Envelope (E) Gene in Dengue Virus (Serotype DEN-2). <i>Journal of Cluster Science</i> , 2017, 28, 437-461.	1.7	23
90	<p>Therapeutic Potential Assessment of Green Synthesized Zinc Oxide Nanoparticles Derived from Fennel Seeds Extract</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8045-8057.	3.3	23

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91	Laser properties of a conjugate polymer (MEH-PPV) in the liquid-excimeric state. <i>Laser Physics</i> , 2007, 17, 1367-1373.	0.6	22
92	Detection of lead in paint samples synthesized locally using-laser-induced breakdown spectroscopy. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 42-49.	0.9	22
93	Amplified spontaneous emission spectra from the superexciplex of coumarin 138. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 1145-1151.	2.0	22
94	Evidence for amplified spontaneous emission from double excimer of conjugated polymer (PDHF) in a liquid solution. <i>Polymer</i> , 2013, 54, 2401-2405.	1.8	22
95	Synthesis and Study of the Effect of Ba ²⁺ Cations Substitution with Sr ²⁺ Cations on Structural and Optical Properties of Ba _{2-<i>x</i>} Sr _{<i>x</i>} ZnWO ₆ Double Perovskite Oxides (<i>x</i> = 0.00, 0.25, 0.50, 0.75, 1.00). <i>Materials</i> , 2017, 10, 469.	1.3	22
96	Giant Self-Kerr Nonlinearity in the Metal Nanoparticles-Graphene Nanodisks-Quantum Dots Hybrid Systems Under Low-Intensity Light Irradiance. <i>Nanomaterials</i> , 2018, 8, 521.	1.9	22
97	Long-range dipole-dipole energy transfer enhancement via addition of SiO ₂ /TiO ₂ nanocomposite in PFO/MEH-PPV hybrid thin films. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47845.	1.3	21
98	Structural, Magnetic, Optical, and Catalytic Properties of Fe ₃ O ₄ Nanoparticles by the Sol-Gel Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2053-2058.	0.8	20
99	Role of ALA sensitivity in HepG2 cell in the presence of diode laser. <i>Laser Physics</i> , 2011, 21, 972-980.	0.6	19
100	Dependence of Catalytic Activity of Nanocrystalline Nickel Ferrite on Its Structural, Morphological, Optical, and Magnetic Properties in Aerobic Oxidation of Benzyl Alcohol. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 1219-1225.	0.8	19
101	A study for the detection of kidney cancer using fluorescence emission spectra and synchronous fluorescence excitation spectra of blood and urine. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 23, 40-44.	1.3	19
102	N-doped carbon embedded Ni ₃ S ₂ electrocatalyst material towards efficient hydrogen evolution reaction in broad pH range. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125194.	2.3	19
103	Influence of Pb doping on the structural, optical and electrical properties of nanocomposite SeTe thin films. <i>Journal of Alloys and Compounds</i> , 2010, 503, 397-401.	2.8	18
104	Diagnosis of Liver Cancer and Cirrhosis by the Fluorescence Spectra of Blood and Urine. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 345-351.	0.8	18
105	The Synthesis of NiO/TiO ₂ Heterostructures and Their Valence Band Offset Determination. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	1.5	18
106	Genetic deviation in geographically close populations of the dengue vector <i>Aedes aegypti</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1149-1160.	0.6	18
107	Influence of functional groups on the photophysical properties of dimethylamino chalcones as laser dyes. <i>Optical Materials</i> , 2018, 76, 216-221.	1.7	18
108	Study on photocatalytic and impedance spectroscopy investigations of composite CuO/ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13708-13718.	1.1	18

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109	Bacillus megaterium-induced biocorrosion on mild steel and the effect of Artemisia pallens methanolic extract as a natural corrosion inhibitor. Archives of Microbiology, 2020, 202, 2311-2321.	1.0	18
110	An efficient optical properties of Sn doped ZnO/CdS based solar light driven nanocomposites for enhanced photocatalytic degradation applications. Chemosphere, 2022, 300, 134460.	4.2	18
111	Silicon nanoparticle-ZnS nanophosphors for ultraviolet-based white light emitting diode. Journal of Applied Physics, 2012, 112, .	1.1	17
112	Photoluminescence spectra of CdSe/ZnS quantum dots in solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 339-345.	2.0	17
113	Structural and optical properties of A ₂ YVO ₆ (A ²⁺ =Mg, Sr) double perovskite oxides. Results in Physics, 2019, 15, 102589.	2.0	17
114	Synthesis and biocompatible role of hierarchical structured carbon nanoplates incorporated Fe_2O_3 nanocomposites for biomedical applications with respect to cancer treatment. Saudi Journal of Biological Sciences, 2020, 27, 588-593.	1.8	17
115	Excimer state of a conjugate polymer (MEH-PPV) in liquid solutions. Laser Physics, 2007, 17, 1361-1366.	0.6	16
116	Synthesis and characteristics of spray deposited CuInS ₂ nanocrystals thin films for photovoltaic applications. Materials Research Bulletin, 2013, 48, 4277-4282.	2.7	16
117	Evidence for the Double Excimer State of conjugated polymer in a liquid solution. Journal of the European Optical Society-Rapid Publications, 0, 8, .	0.9	16
118	Design of Rose Bengal/FTO optical thin film system as a novel nonlinear media for infrared blocking windows. Results in Physics, 2017, 7, 1852-1858.	2.0	16
119	Photovoltaic and capacitance measurements of solar cells comprise of Al-doped CdS (QD) and hierarchical flower-like TiO ₂ nanostructured electrode. Results in Physics, 2020, 16, 102827.	2.0	16
120	Characterization of methanolic extract of seaweeds as environmentally benign corrosion inhibitors for mild steel corrosion in sodium chloride environment. Journal of Molecular Liquids, 2021, 340, 117011.	2.3	16
121	Inhibition of dark quenching by TiO ₂ nanoparticles content in novel PFO/Fluorol 7GA hybrid: A new role to improve OLED performance. Chemical Physics Letters, 2013, 570, 109-112.	1.2	15
122	Rod-Shaped Carbon Aerogel-Assisted CdS Nanocomposite for the Removal of Methylene Blue Dye and Colorless Phenol. Crystals, 2020, 10, 300.	1.0	15
123	Investigation of the survival viability of cervical cancer cells (HeLa) under visible light induced photo-catalysis with facile synthesized WO ₃ /ZnO nanocomposite. Saudi Journal of Biological Sciences, 2020, 27, 1743-1752.	1.8	15
124	Phytochemical evaluation and anticancer activity of rambutan (Nephelium lappaceum) fruit endocarp extracts against human hepatocellular carcinoma (HepG-2) cells. Saudi Journal of Biological Sciences, 2021, 28, 1816-1825.	1.8	15
125	Effect of doping and loading Parameters on photocatalytic degradation of brilliant green using Sn doped ZnO loaded CSAC. Environmental Research, 2022, 210, 112833.	3.7	15
126	Role of sensitivity of zinc oxide nanorods (ZnO-NRs) based photosensitizers in hepatocellular site of biological tissue. Laser Physics, 2011, 21, 1950-1961.	0.6	14

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127	Structural and electrical properties of spray deposited thin films of CuInS ₂ nanocrystals. <i>Materials Letters</i> , 2012, 68, 497-500.	1.3	14
128	Triple amplified spontaneous emissions from a conjugated copolymer BEHP-co-MEH-PPV in solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 53, 66-71.	1.3	14
129	Thin-Film LSCs Based on PMMA Nanohybrid Coatings: Device Optimization and Outdoor Performance. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-10.	1.4	14
130	Influence of Zn ²⁺ and Ni ²⁺ cations on the structural and optical properties of Ba ₂ Zn _{1-x} Ni _x WO ₆ (0 ≤ x ≤ 1) tungsten double perovskites. <i>Journal of Alloys and Compounds</i> , 2017, 701, 797-805.	2.8	14
131	Impact of Diabetes Mellitus on Human Erythrocytes: Atomic Force Microscopy and Spectral Investigations. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2368.	1.2	14
132	Bacterial community analysis of biofilm on API 5LX carbon steel in an oil reservoir environment. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 355-368.	1.7	14
133	Photocatalytic degradation of Rhodamine B using green-synthesized ZnO nanoparticles from Sechium edule polysaccharides. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 2477-2487.	1.6	14
134	Detection of Cancer by Optical Analysis of Body Fluids – A Single Blind Study. <i>Technology in Cancer Research and Treatment</i> , 2011, 10, 145-152.	0.8	13
135	Study of Bacterial Samples Using Laser Induced Breakdown Spectroscopy. <i>Plasma Science and Technology</i> , 2014, 16, 1141-1146.	0.7	13
136	Optimal design for extending the lifetime of thin film luminescent solar concentrators. <i>Optik</i> , 2014, 125, 5268-5272.	1.4	13
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