

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	Enhanced biological nitrate removal by gC ₃ N ₄ /TiO ₂ composite and role of extracellular polymeric substances. <i>Environmental Research</i> , 2022, 207, 112158.	3.7	13
2	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
3	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
4	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
5	Fluorescence-based techniques using plasma: A unique biomarker for different cancers. , 2022, , 137-145.		0
6	Antiviral and cytotoxic effects of a traditional drug KanthaRasaVillai with a cocktail of metallic nanoparticles. <i>Journal of King Saud University - Science</i> , 2022, 34, 101693.	1.6	0
7	Transition metal complexes of 4-hydroxy-3-methoxybenzaldehyde embedded in fly ash zeolite as catalysts for phenol hydroxylation. <i>Chemosphere</i> , 2022, 289, 133167.	4.2	4
8	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
9	Characterization of bacterial community in oil-contaminated soil and its biodegradation efficiency of high molecular weight (>C ₄₀) hydrocarbon. <i>Chemosphere</i> , 2022, 289, 133168.	4.2	28
10	Concentration, source apportionment and potential carcinogenic risks of polycyclic aromatic hydrocarbons (PAHs) in roadside soils. <i>Chemosphere</i> , 2022, 292, 133413.	4.2	40
11	Estimation of optical properties and design of a flexible tunable laser from a green conjugated copolymer. <i>Journal of Luminescence</i> , 2022, 244, 118721.	1.5	3
12	Photophysical Characteristics of Multicolor Emitting MDMO-PPV@DMP/ZnO Hybrid Nanocomposites. <i>Molecules</i> , 2022, 27, 843.	1.7	6
13	Macrolepiota-mediated synthesized silver nanoparticles as a green corrosive inhibitor for mild steel in re-circulating cooling water system. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 493-501.	1.7	4
14	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
15	Effect of doping and loading Parameters on photocatalytic degradation of brilliant green using Sn doped ZnO loaded CSAC. <i>Environmental Research</i> , 2022, 210, 112833.	3.7	15
16	Biomimetic Synthesis of Silver Nanoparticles Using Ethyl Acetate Extract of <i>Urtica dioica</i> Leaves; Characterizations and Emerging Antimicrobial Activity. <i>Microorganisms</i> , 2022, 10, 789.	1.6	12
17	Nanostructured nickel doped zinc oxide material suitable for magnetic, supercapacitor applications and theoretical investigation. <i>Chemosphere</i> , 2022, 299, 134366.	4.2	11
18	Investigation of the Optical Properties of a Novel Class of Quinoline Derivatives and Their Random Laser Properties Using ZnO Nanoparticles. <i>Molecules</i> , 2022, 27, 145.	1.7	2

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19	Effects of Valence States of Working Cations on the Electrochemical Performance of Sodium Vanadate. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19714-19724.	4.0	2
20	An efficient optical properties of Sn doped ZnO/CdS based solar light driven nanocomposites for enhanced photocatalytic degradation applications. <i>Chemosphere</i> , 2022, 300, 134460.	4.2	18
21	Integrated approach of photo-assisted electrochemical oxidation and sequential biodegradation of textile effluent. <i>Environmental Pollution</i> , 2022, 307, 119412.	3.7	6
22	Oxygen saturation and blood volume analysis by photoacoustic imaging to identify pre and post-PDT vascular changes. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103304.	1.8	1
23	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
24	Green synthesis of calcium hydroxide nanoparticles using carob fruit extract and evaluation of their cytotoxic activity. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 2511-2521.	1.6	4
25	Cytotoxic effects of bioactive extracts from <i>Andrographis echioides</i> (L.) Nees: An In vitro approach. <i>Process Biochemistry</i> , 2022, 120, 169-177.	1.8	1
26	Enhancing Photophysical Properties of MDMO-PPV-DMP Conjugated Polymer via Incorporation Anatase Titania Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3556-3563.	1.9	4
27	Evaluation of Antioxidant, Anticancer and DNA Binding Potentials of Noble Metal Nanoparticles Synthesized Using <i>Aristolochia indica</i> and <i>Indigofera tinctoria</i> . <i>Journal of Cluster Science</i> , 2021, 32, 917-927.	1.7	4
28	Biosurfactant mediated bioelectrokinetic remediation of diesel contaminated environment. <i>Chemosphere</i> , 2021, 264, 128377.	4.2	36
29	Bio-electrokinetic remediation of crude oil contaminated soil enhanced by bacterial biosurfactant. <i>Journal of Hazardous Materials</i> , 2021, 405, 124061.	6.5	62
30	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
31	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
32	Emission dynamics of conjugated oligomer (BECV-DHF)/quantum dot perovskite (CsPbBr ₃) composites in solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125911.	2.3	6
33	Leakage current and charge transport mechanism in Poly(phenylene oxide)-Conductor Schottky bilayers. <i>Materials Chemistry and Physics</i> , 2021, 259, 124054.	2.0	2
34	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
35	Tuning Photophysical Properties of Donor/Acceptor Hybrid Thin- Film via Addition of SiO ₂ /TiO ₂ Nanocomposites. <i>Polymers</i> , 2021, 13, 611.	2.0	4
36	In-vitro free radical scavenging effect and cytotoxic analysis of Black Cummins and Honey formulation. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1576-1581.	1.8	3

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37	Evaluation of <i>Syzygium aromaticum</i> aqueous extract as an eco-friendly inhibitor for microbiologically influenced corrosion of carbon steel in oil reservoir environment. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1441-1452.	1.7	12
38	Phytochemical evaluation and anticancer activity of rambutan (<i>Nephelium lappaceum</i>) fruit endocarp extracts against human hepatocellular carcinoma (HepG-2) cells. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1816-1825.	1.8	15
39	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
40	Encapsulated Passivation of Perovskite Quantum Dot (CsPbBr ₃) Using a Hot-Melt Adhesive (EVA-TPR) for Enhanced Optical Stability and Efficiency. <i>Crystals</i> , 2021, 11, 419.	1.0	8
41	TD-DFT Simulation and Experimental Studies of a Mirrorless Lasing of Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-diphenylene-vinylene-2-methoxy-5-{2-ethylhexyloxy}-benzene)]. <i>Polymers</i> , 2021, 13, 1430.	2.0	7
42	Synthesis of nanocomposite films based on conjugated oligomer-2D layered MoS ₂ as potential candidate for optoelectronic devices. <i>Journal of King Saud University - Science</i> , 2021, 33, 101389.	1.6	1
43	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
44	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
45	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
46	Fluorescence spectroscopy as a novel technique for premarital screening of sickle cell disorders. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102276.	1.3	4
47	Cancer screening by fluorescence spectra of blood and urine – A double blind study. <i>Journal of King Saud University - Science</i> , 2021, 33, 101456.	1.6	2
48	Evaluation of the anticancer potential of Hexadecanoic acid from brown algae <i>Turbinaria ornata</i> on HTa€29 colon cancer cells. <i>Journal of Molecular Structure</i> , 2021, 1235, 130229.	1.8	38
49	Effective removal of Cd ²⁺ , Zn ²⁺ by immobilizing the non-absorbent active catalyst by packed bed column reactor for industrial wastewater treatment. <i>Chemosphere</i> , 2021, 277, 130230.	4.2	8
50	Fabrication of novel AgVO ₃ /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
51	Characterization of methanolic extract of seaweeds as environmentally benign corrosion inhibitors for mild steel corrosion in sodium chloride environment. <i>Journal of Molecular Liquids</i> , 2021, 340, 117011.	2.3	16
52	Structural and optical characterization of alpha-irradiated and chemically etched PM-355 solid state nuclear track detectors before and after solar exposure. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109890.	0.7	1
53	Characterization of crude oil degrading bacterial communities and their impact on biofilm formation. <i>Environmental Pollution</i> , 2021, 286, 117556.	3.7	25
54	Effect of crude methanolic extract of <i>Lawsonia inermis</i> for anti-biofilm on mild steel 1010 and its effect on corrosion in a re-circulating wastewater system. <i>Journal of King Saud University - Science</i> , 2021, 33, 101611.	1.6	6

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55	Design of tunable liquid laser based on presence of the conjugated-polymer counter influencing the spectral properties of the oligomer. <i>Optical Materials</i> , 2021, 111, 110575.	1.7	6
56	Characterization of biospheric bacterial community on reduction and removal of chromium from tannery contaminated soil using an integrated approach of bio-enhanced electrokinetic remediation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106602.	3.3	11
57	Characterization of active lead molecules from <i>Lissocarinus orbicularis</i> with potential antimicrobial resistance inhibition properties. <i>Journal of Infection and Public Health</i> , 2021, 14, 1903-1910.	1.9	3
58	Biofilm formation on copper and its control by inhibitor/biocide in cooling water environment. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7588-7594.	1.8	7
59	Drug resistance in <i>Candida albicans</i> isolates and related changes in the structural domain of Mdr1 protein. <i>Journal of Infection and Public Health</i> , 2021, 14, 1848-1853.	1.9	8
60	Controlling the Emission Spectrum of Binary Emitting Polymer Hybrids by a Systematic Doping Strategy via Förster Resonance Energy Transfer for White Emission. <i>Micromachines</i> , 2021, 12, 1371.	1.4	5
61	Analysis of polystyrene and polycarbonate used in manufacturing of water and food containers using laser induced breakdown spectroscopy. <i>Journal of Molecular Structure</i> , 2020, 1201, 127152.	1.8	8
62	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
63	Dual-ion batteries: The emerging alternative rechargeable batteries. <i>Energy Storage Materials</i> , 2020, 25, 1-32.	9.5	160
64	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
65	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
66	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
67	Fluorescence spectral detection of acute lymphoblastic leukemia (ALL) and acute myeloid leukemia (AML): A novel photodiagnosis strategy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 29, 101634.	1.3	9
68	Detection of hemophilia by fluorescence spectroscopy: A photodiagnosis approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 29, 101598.	1.3	5
69	Synthesis and biocompatible role of hierarchical structured carbon nanoplates incorporated Fe ₂ O ₃ nanocomposites for biomedical applications with respect to cancer treatment. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 588-593.	1.8	17
70	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
71	Photovoltaic and capacitance measurements of solar cells comprise of Al-doped CdS (QD) and hierarchical flower-like TiO ₂ nanostructured electrode. <i>Results in Physics</i> , 2020, 16, 102827.	2.0	16
72	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

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73	Anticancer and antioxidant efficacy of silver nanoparticles synthesized from fruit of <i>Morinda citrifolia</i> Linn on Ehrlich ascites carcinoma mice. <i>Journal of King Saud University - Science</i> , 2020, 32, 3181-3186.	1.6	13
74	Time-resolved excited state dynamics of super-excimer in the coumarin dye laser. <i>Journal of Molecular Liquids</i> , 2020, 315, 113814.	2.3	8
75	An experimental and algorithm-based study of the spectral features of breast cancer patients by a photodiagnosis approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101851.	1.3	3
76	<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
77	<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
78	Delving into the properties of polymer nanocomposites with distinctive nano-particle quantities, for the enhancement of optoelectronic devices. <i>Heliyon</i> , 2020, 6, e05597.	1.4	13
79	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
80	Synthesis, Phase Transition, and Optical Studies of Ba ₂ ^x Sr _x ZnWO ₆ (x = 1.00, 1.25, 1.50, 1.75, 2.00) Tungsten Double Perovskite Oxides. <i>Crystals</i> , 2020, 10, 299.	1.0	12
81	Rod-Shaped Carbon Aerogel-Assisted CdS Nanocomposite for the Removal of Methylene Blue Dye and Colorless Phenol. <i>Crystals</i> , 2020, 10, 300.	1.0	15
82	Bio-approach synthesis of nanosilver impregnation on calcium hydroxyapatite by biological activated ammonia from urinary waste. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5878-5889.	2.3	7
83	Temperature activated mirror-less laser action from a hole-transport conjugated-polymer. <i>Optics and Laser Technology</i> , 2020, 127, 106209.	2.2	1
84	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
85	<i>Bacillus megaterium</i> -induced biocorrosion on mild steel and the effect of <i>Artemisia pallens</i> methanolic extract as a natural corrosion inhibitor. <i>Archives of Microbiology</i> , 2020, 202, 2311-2321.	1.0	18
86	A Novel Metal Nanoparticles-Graphene Nanodisks-Quantum Dots Hybrid-System-Based Spaser. <i>Nanomaterials</i> , 2020, 10, 416.	1.9	6
87	Novel synthesis of ZnO by Ice-cube method for photo-inactivation of <i>E. coli</i> . <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1130-1138.	1.8	9
88	Time-resolved spectroscopy of radiative energy transfer between a conjugated oligomer and polymer in solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 232, 118151.	2.0	7
89	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
90	Bioreduction of hexavalent chromium by chromium resistant alkaliphilic bacteria isolated from tannery effluent. <i>Journal of King Saud University - Science</i> , 2020, 32, 1969-1977.	1.6	30

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91	Narrowband Spontaneous Emission Amplification from a Conjugated Oligomer Thin Film. <i>Polymers</i> , 2020, 12, 232.	2.0	2
92	Versatile fabrication and characterization of Cu-doped ZrO ₂ nanoparticles: enhanced photocatalytic and photoluminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7232-7246.	1.1	12
93	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
94	Investigation of the survival viability of cervical cancer cells (HeLa) under visible light induced photo-catalysis with facile synthesized WO ₃ /ZnO nanocomposite. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1743-1752.	1.8	15
95	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
96	Biogenesis of selenium nanoparticles and their anti-leukemia activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 2520-2526.	1.6	50
97	Ultrafast Energy Transfer in the Metal Nanoparticles-Graphene Nanodisks-Quantum Dots Hybrid Systems. <i>Plasmonics</i> , 2019, 14, 17-24.	1.8	8
98	Structural and optical properties of A ₂ YVO ₆ (A ²⁺ =Mg, Sr) double perovskite oxides. <i>Results in Physics</i> , 2019, 15, 102589.	2.0	17
99	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
100	Optically Pumped Intensive Light Amplification from a Blue Oligomer. <i>Polymers</i> , 2019, 11, 1534.	2.0	10
101	Effects of He-Ne laser and argon laser irradiation on growth, germination, and physico-biochemical characteristics of wheat seeds (<i>Triticum aestivum</i> L.). <i>Laser Physics</i> , 2019, 29, 015602.	0.6	13
102	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
103	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
104	Facile spectroscopy and atomic force microscopy for the discrimination of β and δ thalassemia traits and diseases: A photodiagnosis approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 149-155.	1.3	2
105	Fabrication, device performance, and MPPT for flexible dye-sensitized solar panel based on gel-polymer phthaloylchitosan based electrolyte and nanocluster CoS ₂ counter electrode. <i>Materials Science for Energy Technologies</i> , 2019, 2, 319-328.	1.0	9
106	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
107	Energy transfer-enhanced external power conversion efficiency in blended polymeric thin film solar devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7840-7849.	1.1	3
108	Diagnosis of thalassemia using fluorescence spectroscopy, auto-analyzer, and hemoglobin electrophoresis – A prospective study. <i>Journal of Infection and Public Health</i> , 2019, 12, 585-590.	1.9	13

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109	Ultrafast dynamics of laser from green conjugated-oligomer in solution. <i>Polymer</i> , 2019, 169, 106-114.	1.8	11
110	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
111	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in V_{2O_5} /PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16647-16655.	4.0	57
112	Spectral Properties of PMMA Films Doped by Perylene Dyestuffs for Photosensitive Greenhouse Cladding Applications. <i>Polymers</i> , 2019, 11, 494.	2.0	26
113	Wet non-thermal integration of nano binary silicon-gold system with strong plasmonic and luminescent characteristics. <i>AIP Advances</i> , 2019, 9, .	0.6	7
114	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
115	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
116	Facile coprecipitation synthesis of nickel doped copper oxide nanocomposite as electrocatalyst for methanol electrooxidation in alkaline solution. <i>Materials Research Express</i> , 2018, 5, 015512.	0.8	11
117	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
118	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
119	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
120	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
121	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
122	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
123	A Novel Technique of Spectral Discrimination of Variants of Sickle Cell Anemia. <i>Disease Markers</i> , 2018, 1-7.	0.6	5
124	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
125	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
126	Fabrication of Cost-Effective Dye-Sensitized Solar Cells Using Sheet-Like CoS_2 Films and Phthaloylchitosan-Based Gel-Polymer Electrolyte. <i>Energies</i> , 2018, 11, 281.	1.6	11

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127	A Temperature-Tunable Thiophene Polymer Laser. <i>Polymers</i> , 2018, 10, 470.	2.0	11
128	Broadband Frequency-Tunable Whispering-Gallery-Mode Superradiant Light from Quantum Dots in Colloidal Solution. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	1.5	2
129	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
130	Optical dispersion parameters and stability of poly (9, 9-dimethyl-2,7-diyl)/ZnO nanohybrid films: towards organic photovoltaic applications. <i>Materials Research Express</i> , 2017, 4, 025503.	0.8	4
131	Designing of PVA/Rose Bengal long-pass optical window applications. <i>Results in Physics</i> , 2017, 7, 1238-1244.	2.0	45
132	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
133	Design of Rose Bengal/FTO optical thin film system as a novel nonlinear media for infrared blocking windows. <i>Results in Physics</i> , 2017, 7, 1852-1858.	2.0	16
134	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
135	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
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