

M Alsalhi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

5,600
citations

35
h-index

66
g-index

263
ext. papers

6,800
ext. citations

4.2
avg, IF

6.3
L-index

#	Paper	IF	Citations
241	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	3.7	1
240	Phytosynthesis of silver nanoparticles from Jacq. flower extract and their possible applications as antibacterial and antioxidant agent.. <i>Saudi Journal of Biological Sciences</i> , 2022 , 29, 680-688	4	5
239	Effect of doping and loading Parameters on photocatalytic degradation of brilliant green using Sn doped ZnO loaded CSAC.. <i>Environmental Research</i> , 2022 , 112833	7.9	2
238	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	7.9	7
237	Estimation of optical properties and design of a flexible tunable laser from a green conjugated copolymer. <i>Journal of Luminescence</i> , 2022 , 244, 118721	3.8	1
236	Fluorescence-based techniques using plasma: A unique biomarker for different cancers 2022 , 137-145		
235	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	7.9	15
234	Impact of dysprosium doped (Dy) zinc ferrite (ZnFeo) nanocrystals in photo- fenton exclusion of recalcitrant organic pollutant. <i>Environmental Research</i> , 2022 , 203, 111913	7.9	3
233	Biomimetic Synthesis of Silver Nanoparticles Using Ethyl Acetate Extract of Leaves; Characterizations and Emerging Antimicrobial Activity.. <i>Microorganisms</i> , 2022 , 10,	4.9	4
232	Nanostructured nickel doped zinc oxide material suitable for magnetic, supercapacitor applications and theoretical investigation.. <i>Chemosphere</i> , 2022 , 299, 134366	8.4	0
231	An efficient optical properties of Sn doped ZnO/CdS based solar light driven nanocomposites for enhanced photocatalytic degradation applications.. <i>Chemosphere</i> , 2022 , 134460	8.4	2
230	Integrated approach of photo-assisted electrochemical oxidation and sequential biodegradation of textile effluent.. <i>Environmental Pollution</i> , 2022 , 119412	9.3	
229	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	4	0
228	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	7.4	0
227	Antiviral and cytotoxic effects of a traditional drug with a cocktail of metallic nanoparticles. <i>Journal of King Saud University - Science</i> , 2021 , 34, 101693	3.6	
226	Transition metal complexes of 4-hydroxy-3-methoxybenzaldehyde embedded in fly ash zeolite as catalysts for phenol hydroxylation. <i>Chemosphere</i> , 2021 , 289, 133167	8.4	
225	Characterization of bacterial community in oil-contaminated soil and its biodegradation efficiency of high molecular weight (>C40) hydrocarbon. <i>Chemosphere</i> , 2021 , 289, 133168	8.4	4

224	Concentrations, source apportionment and potential carcinogenic risks of polycyclic aromatic hydrocarbons (PAHs) in roadside soil.. <i>Chemosphere</i> , 2021 , 292, 133413	8.4	2
223	Chitosan magnetic graphene grafted polyaniline doped with cobalt oxide for removal of Arsenic(V) from water. <i>Environmental Research</i> , 2021 , 207, 112209	7.9	5
222	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	6.8	4
221	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	7.4	
220	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	4	0
219	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	3.7	6
218	Phytochemical evaluation and anticancer activity of rambutan (fruit endocarp extracts against human hepatocellular carcinoma (HepG-2) cells. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 1816-1825 ⁴		9
217	Enhanced Reversible Zinc Ion Intercalation in Deficient Ammonium Vanadate for High-Performance Aqueous Zinc-Ion Battery. <i>Nano-Micro Letters</i> , 2021 , 13, 116	19.5	25
216	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	2.3	3
215	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)] ₅ <i>Polymers</i> , 2021 , 13,		1
214	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	3.6	1
213	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	7.4	13
212	Green Synthesis of Silver Nanoparticles Using the Flower Extract of for Cytotoxicity and Antimicrobial Studies. <i>International Journal of Nanomedicine</i> , 2021 , 16, 3343-3356	7.3	26
211	Metagenomic analysis of microbial community and its role in bioelectrokinetic remediation of tannery contaminated soil. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125133	12.8	14
210	Fluorescence spectroscopy as a novel technique for premarital screening of sickle cell disorders. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021 , 34, 102276	3.5	2
209	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		3
208	Biosurfactant mediated bioelectrokinetic remediation of diesel contaminated environment. <i>Chemosphere</i> , 2021 , 264, 128377	8.4	21
207	Bio-electrokinetic remediation of crude oil contaminated soil enhanced by bacterial biosurfactant. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124061	12.8	20

206	A straightforward synthesis of visible light driven BiFeO/AgVO nanocomposites with improved photocatalytic activity. <i>Environmental Pollution</i> , 2021 , 269, 116067	9.3	24
205	Biological mediated synthesis of RGO-ZnO composites with enhanced photocatalytic and antibacterial activity. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124661	12.8	14
204	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	5.1	3
203	Leakage current and charge transport mechanism in Poly(phenylene oxide)-Conductor Schottky bilayers. <i>Materials Chemistry and Physics</i> , 2021 , 259, 124054	4.4	1
202	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	3.7	7
201	free radical scavenging effect and cytotoxic analysis of and Honey formulation. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 1576-1581	4	1
200	Cancer screening by fluorescence spectra of blood and urine IA double blind study. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101456	3.6	
199	Evaluation of the anticancer potential of Hexadecanoic acid from brown algae <i>Turbinaria ornata</i> on HT29 colon cancer cells. <i>Journal of Molecular Structure</i> , 2021 , 1235, 130229	3.4	11
198	Effective removal of Cd, Zn by immobilizing the non-absorbent active catalyst by packed bed column reactor for industrial wastewater treatment. <i>Chemosphere</i> , 2021 , 277, 130230	8.4	3
197	Fabrication of novel AgVO/BiOI nanocomposite photocatalyst with photoelectrochemical activity towards the degradation of Rhodamine B under visible light irradiation. <i>Environmental Research</i> , 2021 , 200, 111365	7.9	16
196	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	6	4
195	Enhanced biological nitrate removal by gCN/TiO composite and role of extracellular polymeric substances. <i>Environmental Research</i> , 2021 , 112158	7.9	2
194	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	1.7	
193	Characterization of crude oil degrading bacterial communities and their impact on biofilm formation. <i>Environmental Pollution</i> , 2021 , 286, 117556	9.3	4
192	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	3.6	4
191	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	3.3	3
190	Chitosan overlaid FeO/rGO nanocomposite for targeted drug delivery, imaging, and biomedical applications. <i>Scientific Reports</i> , 2020 , 10, 18912	4.9	26
189	Synthesis, Phase Transition, and Optical Studies of Ba ₂ □SrxZnWO ₆ (x = 1.00, 1.25, 1.50, 1.75, 2.00) Tungsten Double Perovskite Oxides. <i>Crystals</i> , 2020 , 10, 299	2.3	2

188	Rod-Shaped Carbon Aerogel-Assisted CdS Nanocomposite for the Removal of Methylene Blue Dye and Colorless Phenol. <i>Crystals</i> , 2020 , 10, 300	2.3	5
187	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	5.9	3
186	Temperature activated mirror-less laser action from a hole-transport conjugated-polymer. <i>Optics and Laser Technology</i> , 2020 , 127, 106209	4.2	1
185	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	5.1	8
184	Bacillus megaterium-induced biocorrosion on mild steel and the effect of Artemisia pallens methanolic extract as a natural corrosion inhibitor. <i>Archives of Microbiology</i> , 2020 , 202, 2311-2323		12
183	A Novel Metal Nanoparticles-Graphene Nanodisks-Quantum Dots Hybrid-System-Based Spaser. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
182	Novel synthesis of ZnO by Ice-cube method for photo-inactivation of. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 1130-1138	4	2
181	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	4.4	2
180	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	5.9	30
179	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	3.6	11
178	Narrowband Spontaneous Emission Amplification from a Conjugated Oligomer Thin Film. <i>Polymers</i> , 2020 , 12,	4.5	1
177	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	2.1	3
176	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	19.4	63
175	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	4	8
174	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	4.5	12
173	Biogenesis of selenium nanoparticles and their anti-leukemia activity. <i>Journal of King Saud University - Science</i> , 2020 , 32, 2520-2526	3.6	24
172	Dual-ion batteries: The emerging alternative rechargeable batteries. <i>Energy Storage Materials</i> , 2020 , 25, 1-32	19.4	83
171	Antimicrobial and catalytic activities of biosynthesized gold, silver and palladium nanoparticles from Solanum nigrum leaves. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 202, 111713	6.7	55

170	Optical and structural properties of CsPbBr perovskite quantum dots/PFO polymer composite thin films. <i>Journal of Colloid and Interface Science</i> , 2020 , 563, 426-434	9.3	33
169	Green fabrication, characterization and antibacterial potential of zinc oxide nanoparticles using Aloe socotrina leaf extract: A novel drug delivery approach. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 55, 101465	4.5	51
168	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	3.5	6
167	Detection of hemophilia by fluorescence spectroscopy: A photodiagnosis approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020 , 29, 101598	3.5	4
166	Synthesis and biocompatible role of hierarchical structured carbon nanoplates incorporated FeO nanocomposites for biomedical applications with respect to cancer treatment. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 588-593	4	5
165	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	3.6	17
164	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	3.7	10
163	Ureolytic bacteria mediated synthesis of hairy ZnO nanostructure as photocatalyst for decolorization of dyes. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122619	4.4	30
162	Anticancer and antioxidant efficacy of silver nanoparticles synthesized from fruit of Morinda citrifolia Linn on Ehrlich ascites carcinoma mice. <i>Journal of King Saud University - Science</i> , 2020 , 32, 3181-3186	3.6	2
161	Time-resolved excited state dynamics of super-excplex in the coumarin dye laser. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113814	6	4
160	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	3.5	3
159	Cytotoxic and Antimicrobial Efficacy of Silver Nanoparticles Synthesized Using a Traditional Phytoproduct, Asafoetida Gum. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4351-4362	7.3	28
158	Therapeutic Potential Assessment of Green Synthesized Zinc Oxide Nanoparticles Derived from Fennel Seeds Extract. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8045-8057	7.3	8
157	Delving into the properties of polymer nanocomposites with distinctive nano-particle quantities, for the enhancement of optoelectronic devices. <i>Heliyon</i> , 2020 , 6, e05597	3.6	5
156	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	3.4	5
155	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	3.6	14
154	Optically Pumped Intensive Light Amplification from a Blue Oligomer. <i>Polymers</i> , 2019 , 11,	4.5	8
153	Effects of HeNe laser and argon laser irradiation on growth, germination, and physico-biochemical characteristics of wheat seeds (<i>Triticumaestivum</i> L.). <i>Laser Physics</i> , 2019 , 29, 015602	1.2	6

152	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	6.7	84
151	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	2.1	9
150	Facile spectroscopy and atomic force microscopy for the discrimination of β -thalassaemia traits and diseases: A photodiagnosis approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019 , 27, 149-155	3.5	2
149	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	5.2	5
148	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	2.9	13
147	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	2.1	1
146	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	7.4	10
145	Ultrafast dynamics of laser from green conjugated-oligomer in solution. <i>Polymer</i> , 2019 , 169, 106-114	3.9	9
144	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	4	41
143	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in VO/PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16647-16655	9.5	34
142	Spectral Properties of PMMA Films Doped by Perylene Dyestuffs for Photoselective Greenhouse Cladding Applications. <i>Polymers</i> , 2019 , 11,	4.5	17
141	Ultrafast Energy Transfer in the Metal Nanoparticles-Graphene Nanodisks-Quantum Dots Hybrid Systems. <i>Plasmonics</i> , 2019 , 14, 17-24	2.4	7
140	Structural and optical properties of A ₂ YVO ₆ (A = Mg, Sr) double perovskite oxides. <i>Results in Physics</i> , 2019 , 15, 102589	3.7	6
139	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	6.7	58
138	Wet non-thermal integration of nano binary silicon-gold system with strong plasmonic and luminescent characteristics. <i>AIP Advances</i> , 2019 , 9, 095039	1.5	7
137	Impact and Role of Bacterial Communities on Biocorrosion of Metals Used in the Processing Industry. <i>ACS Omega</i> , 2019 , 4, 21353-21360	3.9	16
136	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	3.7	44
135	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	1.7	8

- 134 Influence of functional groups on the photophysical properties of dimethylamino chalcones as laser dyes. *Optical Materials*, **2018**, 76, 216-221 3.3 15
- 133 High toxicity of camphene and Elemene from *Wedelia prostrata* essential oil against larvae of *Spodoptera litura* (Lepidoptera: Noctuidae). *Environmental Science and Pollution Research*, **2018**, 25, 10383-10395 5.1 35
- 132 Giant Self-Kerr Nonlinearity in the Metal Nanoparticles-Graphene Nanodisks-Quantum Dots Hybrid Systems Under Low-Intensity Light Irradiance. *Nanomaterials*, **2018**, 8, 5.4 18
- 131 Fabrication of Cost-Effective Dye-Sensitized Solar Cells Using Sheet-Like CoS₂ Films and Phthaloylchitosan-Based Gel-Polymer Electrolyte. *Energies*, **2018**, 11, 281 3.1 9
- 130 A Temperature-Tunable Thiophene Polymer Laser. *Polymers*, **2018**, 10, 4.5 9
- 129 Broadband Frequency-Tunable Whispering-Gallery-Mode Superradiant Light from Quantum Dots in Colloidal Solution. *Journal of Nanomaterials*, **2018**, 2018, 1-9 3.2 2
- 128 Dependence of Catalytic Activity of Nanocrystalline Nickel Ferrite on Its Structural, Morphological, Optical, and Magnetic Properties in Aerobic Oxidation of Benzyl Alcohol. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 1219-1225 1.5 14
- 127 Impact of Diabetes Mellitus on Human Erythrocytes: Atomic Force Microscopy and Spectral Investigations. *International Journal of Environmental Research and Public Health*, **2018**, 15, 4.6 8
- 126 Photo-catalytic Killing of HeLa Cancer Cells Using Facile Synthesized Pure and Ag Loaded WO₃ Nanoparticles. *Scientific Reports*, **2018**, 8, 15224 4.9 22
- 125 Antimicrobial and Cytotoxicity Effects of Synthesized Silver Nanoparticles from Punica granatum Peel Extract. *Nanoscale Research Letters*, **2018**, 13, 315 5 71
- 124 A Novel Technique of Spectral Discrimination of Variants of Sickle Cell Anemia. *Disease Markers*, **2018**, 2018, 5942368 3.2 5
- 123 A study for the detection of kidney cancer using fluorescence emission spectra and synchronous fluorescence excitation spectra of blood and urine. *Photodiagnosis and Photodynamic Therapy*, **2018**, 23, 40-44 3.5 13
- 122 Influence of Zn²⁺ and Ni²⁺ cations on the structural and optical properties of Ba₂Zn_{1-x}Ni_xWO₆ (0 ≤ x ≤ 1) tungsten double perovskites. *Journal of Alloys and Compounds*, **2017**, 701, 797-805 5.7 12
- 121 Optical dispersion parameters and stability of poly (9, 9'-di-n-octylfluorenyl-2,7-diyl)/ZnO nanohybrid films: towards organic photovoltaic applications. *Materials Research Express*, **2017**, 4, 025503 1.7 2
- 120 Designing of PVA/Rose Bengal long-pass optical window applications. *Results in Physics*, **2017**, 7, 1238-1244 3.7 31
- 119 Chitosan-fabricated Ag nanoparticles and larvivorous fishes: a novel route to control the coastal malaria vector *Anopheles sundaicus*?. *Hydrobiologia*, **2017**, 797, 335-350 2.4 23
- 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 3.7 9
- 117 Rapid Biological Synthesis of Silver Nanoparticles Using Plant Seed Extracts and Their Cytotoxicity on Colorectal Cancer Cell Lines. *Journal of Cluster Science*, **2017**, 28, 595-605 3 39

116	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	3	13
115	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	2.4	32
114	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	3.2	20
113	Influence of alpha irradiation on pre and post solar exposed PM-355 polymeric nuclear track detector sheets. <i>Radiation Physics and Chemistry</i> , 2017 , 130, 451-458	2.5	6
112	An Efficient Violet Amplified Spontaneous Emission (ASE) from a Conjugated Polymer (PFO-co-pX) in Solution. <i>Materials</i> , 2017 , 10,	3.5	5
111	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,	3.5	24
110	Synthesis and Study of the Effect of Ba Cations Substitution with Sr Cations on Structural and Optical Properties of BaSrZnWO ₄ Double Perovskite Oxides (x = 0.00, 0.25, 0.50, 0.75, 1.00). <i>Materials</i> , 2017 , 10,	3.5	16
109	A High Power, Frequency Tunable Colloidal Quantum Dot (CdSe/ZnS) Laser. <i>Nanomaterials</i> , 2017 , 7,	5.4	7
108	Optical Properties and Amplified Spontaneous Emission of Novel MDMO-PPV/C500 Hybrid. <i>Polymers</i> , 2017 , 9,	4.5	2
107	Time Evolution of the Excimer State of a Conjugated Polymer Laser. <i>Polymers</i> , 2017 , 9,	4.5	6
106	Using a Spectrofluorometer for Resonance Raman Spectra of Organic Molecules. <i>Journal of Spectroscopy</i> , 2017 , 2017, 1-7	1.5	6
105	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, 651-62	2.4	70
104	Smoking Induced Hemolysis: Spectral and microscopic investigations. <i>Scientific Reports</i> , 2016 , 6, 21095	4.9	18
103	Amplified spontaneous emission from the exciplex state of a conjugated polymer PFO in oleic acid. <i>Optics and Laser Technology</i> , 2016 , 83, 148-152	4.2	5
102	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, 318-28	7	31
101	Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode. <i>Optik</i> , 2016 , 127, 2331-2335	2.5	7
100	Hydrothermal synthesis of titanium dioxide nanoparticles: mosquitocidal potential and anticancer activity on human breast cancer cells (MCF-7). <i>Parasitology Research</i> , 2016 , 115, 1085-96	2.4	78
99	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	2.5	60

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