Wael H Eisa

List of Publications by Year
in descending order

43	1,912	218677	254184
papers	citations	26 h-index	43 g-index

44	44	44	2231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Malva parviflora extract assisted green synthesis of silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 423-428.	3.9	162
2	Phoenix dactylifera L. leaf extract phytosynthesized gold nanoparticles; controlled synthesis and catalytic activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 238-244.	3.9	115
3	Solid-State Synthesis of Metal Nanoparticles Supported on Cellulose Nanocrystals and Their Catalytic Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 3974-3983.	6.7	106
4	Comparative spectral and shielding studies of binary borate glasses with the heavy metal oxides SrO, CdO, BaO, PbO or Bi2O3 before and after gamma irradiation. Journal of Non-Crystalline Solids, 2014, 387, 155-160.	3.1	87
5	Clean production of powdery silver nanoparticles using Zingiber officinale: The structural and catalytic properties. Journal of Cleaner Production, 2019, 241, 118398.	9.3	85
6	Gamma-irradiation assisted seeded growth of Ag nanoparticles within PVA matrix. Materials Chemistry and Physics, 2011, 128, 109-113.	4.0	79
7	Synthesis of cadmium oxide nanoparticles by pulsed laser ablation in liquid environment. Optik, 2017, 144, 679-684.	2.9	79
8	Clean and high-throughput production of silver nanoparticles mediated by soy protein via solid state synthesis. Journal of Cleaner Production, 2017, 144, 501-510.	9.3	77
9	Investigation of factors affecting the synthesis of nano-cadmium sulfide by pulsed laser ablation in liquid environment. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 315-320.	3.9	75
10	In situ approach induced growth of highly monodispersed Ag nanoparticles within free standing PVA/PVP films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 341-346.	3.9	71
11	Synthesis of Nano-Cadmium Sulfide by Pulsed Laser Ablation in Liquid Environment. Spectroscopy Letters, 2015, 48, 638-645.	1.0	69
12	WO3 quantum dot: Synthesis, characterization and catalytic activity. Journal of Molecular Structure, 2019, 1185, 351-356.	3.6	68
13	Au@CdO core/shell nanoparticles synthesized by pulsed laser ablation in Au precursor solution. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	58
14	Ziziphus spina-christi based bio-synthesis of Ag nanoparticles. Journal of Industrial and Engineering Chemistry, 2015, 23, 50-56.	5.8	55
15	Ficus retusa-stabilized gold and silver nanoparticles: Controlled synthesis, spectroscopic characterization, and sensing properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 496-512.	3.9	53
16	Effect of the prepared temperature on the size of CdS and ZnS nanoparticle. Physica B: Condensed Matter, 2010, 405, 919-924.	2.7	48
17	Nano-amino acid cellulose derivatives: Eco-synthesis, characterization, and antimicrobial properties. International Journal of Biological Macromolecules, 2019, 132, 963-969.	7.5	44
18	Tissue Distribution and Efficacy of Gold Nanorods Coupled with Laser Induced Photoplasmonic Therapy in Ehrlich Carcinoma Solid Tumor Model. PLoS ONE, 2013, 8, e76207.	2.5	43

#	Article	IF	Citations
19	A new route for manufacturing poly(aminophosphonic)-functionalized poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Environmental Pollution, 2020, 264, 114797.	7.5	40
20	Ag seeds mediated growth of Au nanoparticles within PVA matrix: An eco-friendly catalyst for degradation of 4-nitrophenol. Reactive and Functional Polymers, 2013, 73, 1510-1516.	4.1	37
21	Spectroscopic investigation of chitosan-supported Cu2O/CuO nanocomposite; a separable catalyst for water-pollutants degradation. Journal of Alloys and Compounds, 2020, 835, 155306.	5.5	35
22	Dependence of structural, vibrational spectroscopy and optical properties on the particle sizes of CdS/polyaniline core/shell nanocomposites. Journal of Molecular Structure, 2012, 1013, 156-162.	3.6	34
23	Water-soluble gold/polyaniline core/shell nanocomposite: Synthesis and characterization. Synthetic Metals, 2014, 195, 23-28.	3.9	33
24	Ultra-Thin Films of Poly(acrylic acid)/Silver Nanocomposite Coatings for Antimicrobial Applications. Journal of Spectroscopy, 2016, 2016, 1-11.	1.3	33
25	Synthesis, characterization and spectroscopic studies of CdS/polyaniline core/shell nanocomposite. Synthetic Metals, 2010, 160, 479-484.	3.9	30
26	Dependence of spectroscopic and electrical properties on the size of cadmium sulfide nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 45, 47-55.	2.7	30
27	Efficacy and toxicity of plasmonic photothermal therapy (PPTT) using gold nanorods (GNRs) against mammary tumors in dogs and cats. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2291-2297.	3.3	29
28	Silver oxide nanoparticles alleviate indomethacin-induced gastric injury: a novel antiulcer agent. Inflammopharmacology, 2018, 26, 1025-1035.	3.9	25
29	PVP induce self-seeding process for growth of Au@Ag core@shell nanocomposites. Chemical Physics Letters, 2016, 651, 28-33.	2.6	23
30	Crosslinked PVA/PVP Supported Silver Nanoparticles: A Reusable and Efficient Heterogeneous Catalyst for the 4-Nitrophenol Degradation. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1703-1711.	3.7	21
31	Solvent-free and large-scale preparation of silver@polypyrrole core@shell nanocomposites; structural properties and terahertz spectroscopic studies. Composites Part B: Engineering, 2019, 176, 107289.	12.0	19
32	Optical stability of 3d transition metal ions doped-cadmium borate glasses towards Î³-rays interaction. Indian Journal of Physics, 2016, 90, 781-791.	1.8	17
33	Green silver nanoparticles based on Lavandula coronopifolia aerial parts extract against mycotic mastitis in cattle. Biocatalysis and Agricultural Biotechnology, 2022, 42, 102350.	3.1	17
34	In situ preparation of chitosan/gold nanocomposite: Structural and catalytic properties. Advances in Polymer Technology, 2018, 37, 2095-2101.	1.7	16
35	Gallic acid-assisted growth of cuprous oxide within polyvinyl alcohol; a separable catalyst for oxidative and reductive degradation of water pollutants. Journal of Cleaner Production, 2021, 279, 123826.	9.3	16
36	Spectroscopic and Antibacterial Studies of Anisotropic Gold Nanoparticles Synthesized Using Malva parviflora. Journal of Applied Spectroscopy, 2017, 83, 1046-1050.	0.7	15

#	Article	IF	Citations
37	Terahertz, Infrared, and UVâ€“Vis Spectroscopy Study on Silver@Polyaniline Core@Shell Nanocomposites: Optical and Electronic Properties. Journal of Physical Chemistry C, 2020, 124, 18243-18256.	3.1	15
38	Removal of methylene blue usingPhoenix dactylifera/PVA composite; an eco-friendly adsorbent. Desalination and Water Treatment, 2016, 57, 18861-18867.	1.0	13
39	Ultraviolet and infrared studies of the single-walled and multi-walled carbon nanotube films with different thickness. Physica B: Condensed Matter, 2016, 483, 8-12.	2.7	10
40	Solid and liquid green Ag nanoparticles based on banana peel extract as an ecoâ€friendly remedy for ringworm in pets. Surface and Interface Analysis, 2022, 54, 607-618.	1.8	9
41	Garlic peel as promising low-cost support for the cobalt nanocatalyst; synthesis and catalytic studies.. Journal of Environmental Management, 2022, 312, 114919.	7.8	9
42	Gel, thermal, and X-ray diffraction characterization of virgin, scrapped polyethylene and its blends. Polymer Composites, 2006, 27, 709-717.	4.6	6
43	Femtosecond pulsed laser induced growth of highly transparent indium-tin-oxide thin films: Effect of deposition temperature and oxygen partial pressure. Optik, 2015, 126, 3789-3794.	2.9	6