

Abdallah A Shaltout

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.

72
papers

1,069
citations

20
h-index

30
g-index

77
ext. papers

1,303
ext. citations

3.4
avg, IF

4.52
L-index

#	Paper	IF	Citations
72	Gamma radiation introduces improvement in Ac conductivity behavior and dielectric characterization of CuONPs@PVP-PVA nano matrix films prepared by one-potential laser ablation method. <i>Optical and Quantum Electronics</i> , 2022 , 54, 1	2.4	0
71	Optical, structural, and electrical conductivity of PEO/chitosan incorporated by Se NPs produced by one-potential laser ablation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 12351	2.1	0
70	Synthesis and Characterization of Eco-Friendly CMC/Maghemite Nanocomposite Films. <i>Journal of Electronic Materials</i> , 2021 , 50, 7098	1.9	0
69	Spectroscopic Characterization of Urinary Stones Richening with Calcium Oxalate. <i>Biological Trace Element Research</i> , 2021 , 199, 2858-2868	4.5	0
68	Ellipsometric study of the optical properties of TlInSeS layered crystal. <i>Optical Materials</i> , 2021 , 114, 110958	3.5	1
67	Exploring the structural and optical properties of FeS filled graphene/PVA blend for environmental-friendly applications. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	8
66	Hydrothermal Synthesis, Anionic Dyes Preconcentration, and Energy Storage of Amino-Functionalized CuNPs Regenerated Chitosan Membrane. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 2492-2500	3.2	0
65	Functional properties of quaternary metals (1-x)ZnMn2O4/(x)MgFe2O4 as supercapacitor electrode. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	6
64	Seasonal Variability of Elemental Composition and Phytochemical Analysis of Moringa oleifera Leaves Using Energy-Dispersive X-ray Fluorescence and Other Related Methods. <i>Biological Trace Element Research</i> , 2021 , 199, 4319-4329	4.5	2
63	Magneto-optical effects of MgFe2O4 nanoparticles in solutions and thin films of polystyrene using digital Mach-Zehnder interferometer: An optical based sensor for energy storage controller. <i>Optik</i> , 2021 , 242, 167127	2.5	0
62	Synchrotron X-ray fluorescence and X-ray absorption near edge structure of low concentration arsenic in ambient air particulates. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 981-992	3.7	0
61	The challenges of Se quantification in bean samples using line and continuum sources atomic absorption spectrometry. <i>Food Chemistry</i> , 2020 , 328, 127124	8.5	8
60	Spectroscopic Assessment of Platinum Group Elements of PM Particles Sampled in Three Different Areas in Jeddah, Saudi Arabia. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	5
59	Pt _x ZnO/M (M = Fe, Co, Ni or Cu): A New Promising Hybrid-Doped Noble Metal/Semiconductor Photocatalysts. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 4627-4636	3.2	2
58	Elemental composition and source apportionment of atmospheric aerosols collected from urban and residential areas of Jordan using multi-secondary targets energy dispersive X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020 , 170, 105900	3.1	3
57	Effect of annealing temperature on structural and optical properties of gallium oxide thin films deposited by RF-sputtering. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	11
56	Direct analysis of essential oils by means of TXRF spectrometry. <i>X-Ray Spectrometry</i> , 2020 , 49, 322-331	0.9	0

55	Elemental Composition of PM Aerosol in a Residential-Industrial Area of a Mediterranean Megacity. <i>Archives of Environmental Contamination and Toxicology</i> , 2020 , 78, 68-78	3.2	9
54	Investigation of structural and optical properties of molybdenum disulfide flakes/polyvinylidene fluoride nanocomposites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 14350-14359	5.5	3
53	Elemental mapping of some collected gold samples from Al-Amar gold mine in Saudi Arabia. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	
52	Development of biological macroalgae lignins using copper based metal-organic framework for selective adsorption of cationic dye from mixed dyes. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2984-2993	7.9	5
51	Applicability of Low-Cost Binders for the Quantitative Elemental Analysis of Urinary Stones Using EDXRF Based on Fundamental Parameter Approach. <i>Biological Trace Element Research</i> , 2020 , 195, 417-426	4.5	2
50	Crystalline ZnO and ZnO/TiO ₂ nanoparticles derived from tert-butyl N-(2-mercaptoethyl)carbamatozinc(II) chelate: Electrocatalytic studies for H ₂ generation in alkaline electrolytes. <i>International Journal of Energy Research</i> , 2020 , 44, 6725-6744	4.5	6
49	Influence of argon flow rate on structural and optical properties of transparent Nb ₂ O ₅ thin films. <i>Optical and Quantum Electronics</i> , 2019 , 51, 1	2.4	2
48	Direct Z-scheme of Cu ₂ O/TiO ₂ enhanced self-cleaning, antibacterial activity, and UV protection of cotton fiber under sunlight. <i>Applied Surface Science</i> , 2019 , 479, 953-962	6.7	58
47	Correlation between inorganic pollutants in the suspended particulate matter (SPM) and fine particulate matter (PM _{2.5}) collected from industrial and residential areas in Greater Cairo, Egypt. <i>Air Quality, Atmosphere and Health</i> , 2019 , 12, 241-250	5.6	8
46	Lead speciation of PM _{2.5} collected from Greater Cairo, Egypt and Zarqa, Jordan: An energy dispersive X-ray fluorescence and X-ray absorption near edge structure study. <i>X-Ray Spectrometry</i> , 2019 , 48, 38-45	0.9	5
45	Comparative elemental analysis of fine particulate matter (PM _{2.5}) from industrial and residential areas in Greater Cairo-Egypt by means of a multi-secondary target energy dispersive X-ray fluorescence spectrometer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 145, 29-35	3.1	12
44	EDXRF analysis of suspended particulate matter (SPM) from residential and industrial areas in Cairo, Egypt. <i>X-Ray Spectrometry</i> , 2018 , 47, 223-230	0.9	10
43	Influence of Niobium Pentoxide Particulates on the Properties of Brushite/Gelatin/Alginate Membranes. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1361-1371	3.9	10
42	Method Development and Quantitative Elemental Analysis of Mentha Longifolia L. Leaves from Saudi Arabia by Total Reflection X-Ray Fluorescence. <i>Analytical Letters</i> , 2018 , 51, 1433-1444	2.2	3
41	Synchrotron radiation total reflection X-ray fluorescence (SR-TXRF) and X-ray absorption near edge structure (XANES) of fractionated air particulates collected from Jeddah, Saudi Arabia. <i>Microchemical Journal</i> , 2018 , 137, 78-84	4.8	6
40	The role of high-valent (Mo and V) cations in defect spinel iron oxide nanomaterials: Toward improving Li-ion storage. <i>Ceramics International</i> , 2018 , 44, 20692-20699	5.1	11
39	Cathodically activated Au/TiO ₂ nanocomposite synthesized by a new facile solvothermal method: An efficient electrocatalyst with Pt-like activity for hydrogen generation. <i>Electrochimica Acta</i> , 2018 , 290, 404-418	6.7	30
38	Identification of elemental composition of PM _{2.5} collected in Makkah, Saudi Arabia, using EDXRF. <i>X-Ray Spectrometry</i> , 2017 , 46, 151-163	0.9	11

37	Molecular imaging of alkaloids in khat (<i>Catha edulis</i>) leaves with MeV-SIMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 404, 140-145	1.2	5
36	Quantitative elemental analysis and natural radioactivity levels of mud and salt collected from the Dead Sea, Jordan. <i>Microchemical Journal</i> , 2017 , 133, 352-357	4.8	6
35	Spectroscopic Characterization of Dust-Fall Samples Collected from Greater Cairo, Egypt. <i>Archives of Environmental Contamination and Toxicology</i> , 2016 , 70, 544-55	3.2	6
34	Levels of Trace Elements in Black Teas Commercialized in Saudi Arabia Using Inductively Coupled Plasma Mass Spectrometry. <i>Biological Trace Element Research</i> , 2016 , 174, 477-483	4.5	5
33	Characterization and antibacterial capabilities of nanocrystalline CdS thin films prepared by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2015 , 35, 132-138	4.3	20
32	The role of gas direction in a modified Grimm-type glow discharge for controlling the degree of crystallinity in brass alloy thin films. <i>Vacuum</i> , 2015 , 121, 105-112	3.7	5
31	Spectroscopic investigation of PM2.5 collected at industrial, residential and traffic sites in Taif, Saudi Arabia. <i>Journal of Aerosol Science</i> , 2015 , 79, 97-108	4.3	37
30	Method development for the determination of Cd, Cu, Ni and Pb in PM2.5 particles sampled in industrial and urban areas of Greater Cairo, Egypt, using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2014 , 113, 4-9	4.8	31
29	Determination of selenium in soil samples using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Analytical Methods</i> , 2014 , 6, 2870-2875 ^{3.2}		17
28	Determination of rare earth elements in dust deposited on tree leaves from Greater Cairo using inductively coupled plasma mass spectrometry. <i>Environmental Pollution</i> , 2013 , 178, 197-201	9.3	24
27	Determinations of Sb and Mo in Cairo's dust using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Atmospheric Environment</i> , 2013 , 81, 18-24	5.3	12
26	In vitro surface biocompatibility of high-content silicon-substituted calcium phosphate ceramics. <i>Open Chemistry</i> , 2013 , 11, 140-150	1.6	2
25	Determination of Cd, Cu, Ni, and Pb in Black Tea from Saudi Arabia using Graphite Furnace Atomic Absorption Spectrometry after Microwave-Assisted Acid Digestion. <i>Analytical Letters</i> , 2013 , 46, 2089-2100 ^{2.2}		20
24	On the elemental composition of PM2.5 in central Cairo, Egypt. <i>X-Ray Spectrometry</i> , 2013 , 42, 276-283	0.9	35
23	Elemental Composition of PM2.5 Particles Sampled in Industrial and Residential Areas of Taif, Saudi Arabia. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1356-1364	4.6	32
22	Wavelength dispersive X-ray fluorescence analysis using fundamental parameter approach of <i>Catha edulis</i> and other related plant samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012 , 67, 74-78 ^{3.1}		22
21	Comparison of three different sample preparation procedures for the determination of traffic-related elements in airborne particulate matter collected on glass fiber filters. <i>Talanta</i> , 2012 , 88, 689-95	6.2	24
20	Hydrothermal synthesis and characterizations of Ti substituted Mn-ferrites. <i>Journal of Alloys and Compounds</i> , 2012 , 529, 29-33	5.7	38

19	Elucidation of fluorine in SnO ₂ :F sprayed films by different spectroscopic techniques. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012 , 185, 140-145	1.7	10
18	Utilization of standardless analysis algorithms using WDXRF and XRD for Egyptian iron ore identification. <i>X-Ray Spectrometry</i> , 2012 , 41, 355-362	0.9	29
17	Method development and optimization for the determination of selenium in bean and soil samples using hydride generation electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2011 , 85, 1350-6	6.2	37
16	Influence of the grain size on the quality of standardless WDXRF analysis of river Nile sediments. <i>Microchemical Journal</i> , 2011 , 99, 356-363	4.8	19
15	FTIR spectroscopic, thermal and XRD characterization of hydroxyapatite from new natural sources. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 83, 56-60	4.4	65
14	Determination of Cu, Zn, and Se in microvolumes of liquid biological samples. <i>Journal of Applied Spectroscopy</i> , 2011 , 77, 771-777	0.7	1
13	The validity of commercial LIBS for quantitative analysis of brass alloy [Comparison of WDXRF and AAS. <i>Journal of Applied Spectroscopy</i> , 2011 , 78, 594-600	0.7	5
12	Spectroscopic Study of Heavy Metals at Different Depths in Southeastern Soil of Nile Delta, Egypt. <i>Spectroscopy Letters</i> , 2011 , 44, 186-193	1.1	4
11	Electron number density and temperature measurements in laser produced brass plasma. <i>EPJ Applied Physics</i> , 2010 , 50, 11003	1.1	5
10	Classical univariate calibration and partial least squares for quantitative analysis of brass samples by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010 , 65, 658-663	3.1	49
9	Sintering mechanism of blast furnace slag/alumina ceramics. <i>Materials & Design</i> , 2010 , 31, 3677-3682		25
8	Removal of COOH, Cd and Pb using water hyacinth: FTIR and flame atomic absorption study. <i>Journal of the Iranian Chemical Society</i> , 2009 , 6, 364-372	2	28
7	Hydrothermal synthesis and characterization of aluminium and sulfate substituted 1.1 nm tobermorites. <i>Journal of Alloys and Compounds</i> , 2009 , 467, 332-337	5.7	92
6	On X-ray tube spectra, the dependence on the angular and electron energy of X-rays from the targets. <i>EPJ Applied Physics</i> , 2007 , 37, 291-297	1.1	8
5	Sputtered-deposited thin brass films in a modified glow discharge Grimm-type source. <i>EPJ Applied Physics</i> , 2006 , 35, 93-105	1.1	5
4	Update of photoelectric absorption coefficients in the tables of McMaster. <i>X-Ray Spectrometry</i> , 2006 , 35, 52-56	0.9	14
3	Micro Plasma Generation Using Liquid Sampling-Atmospheric Pressure Glow Discharge. <i>Mikrochimica Acta</i> , 2006 , 155, 447-452	5.8	15
2	Numerical description of photoelectric absorption coefficients for fundamental parameter programs. <i>X-Ray Spectrometry</i> , 2003 , 32, 442-451	0.9	78

- 1 Bimetallic Nanocomposite of Gold/Silver Scattered in Chitosan via Laser Ablation for Electrical and Antibacterial Utilization. *Journal of Electronic Materials*,1 1.9 1