

# Marwa S Elazazy

## List of Publications by Year in descending order

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43  
papers

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citations

516215

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times ranked

412  
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#	ARTICLE	IF	CITATIONS
1	Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2385-2485.	8.3	162
2	Potato Peels as an Adsorbent for Heavy Metals from Aqueous Solutions: Eco-Structuring of a Green Adsorbent Operating Plackett-Burman Design. <i>Journal of Chemistry</i> , 2019, 2019, 1-14.	0.9	59
3	Recycling of Date Pits Into a Green Adsorbent for Removal of Heavy Metals: A Fractional Factorial Design-Based Approach. <i>Frontiers in Chemistry</i> , 2019, 7, 552.	1.8	41
4	Bio-Waste Aloe vera Leaves as an Efficient Adsorbent for Titan Yellow from Wastewater: Structuring of a Novel Adsorbent Using Plackett-Burman Factorial Design. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4856.	1.3	37
5	Application of Pineapple Leaves as Adsorbents for Removal of Rose Bengal from Wastewater: Process Optimization Operating Face-Centered Central Composite Design (FCCCD). <i>Molecules</i> , 2020, 25, 3752.	1.7	31
6	Eco-Structured Adsorptive Removal of Tigecycline from Wastewater: Date Pits Biochar versus the Magnetic Biochar. <i>Nanomaterials</i> , 2021, 11, 30.	1.9	30
7	Biochar of Spent Coffee Grounds as Per Se and Impregnated with TiO <sub>2</sub> : Promising Waste-Derived Adsorbents for Balofloxacin. <i>Molecules</i> , 2021, 26, 2295.	1.7	29
8	Eco-Structured Biosorptive Removal of Basic Fuchsin Using Pistachio Nutshells: A Definitive Screening Design-Based Approach. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4855.	1.3	27
9	Label-Free Detection of Heparin, Streptavidin, and Other Probes by Pulsed Streaming Potentials in Plastic Microfluidic Channels. <i>Analytical Chemistry</i> , 2008, 80, 6532-6536.	3.2	26
10	Kinetics of alkoxysilanes hydrolysis: An empirical approach. <i>Scientific Reports</i> , 2019, 9, 17624.	1.6	26
11	Pomegranate peels as versatile adsorbents for water purification: Application of box-behnken design as a methodological optimization approach. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13223.	1.3	23
12	Watermelon rinds as cost-efficient adsorbent for acridine orange: a response surface methodological approach. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71554-71573.	2.7	22
13	Determination of midodrine hydrochloride via Hantzsch condensation reaction: a factorial design based spectrophotometric approach. <i>RSC Advances</i> , 2015, 5, 48474-48483.	1.7	21
14	Application of fractional factorial design for green synthesis of cyano-modified silica nanoparticles: Chemometrics and multifarious response optimization. <i>Advanced Powder Technology</i> , 2018, 29, 1204-1215.	2.0	21
15	Adsorption Characteristics of Pristine and Magnetic Olive Stones Biochar with Respect to Clofazimine. <i>Nanomaterials</i> , 2021, 11, 963.	1.9	21
16	Synthesis and Application of Cobalt Oxide (Co <sub>3</sub> O <sub>4</sub> )-Impregnated Olive Stones Biochar for the Removal of Rifampicin and Tigecycline: Multivariate Controlled Performance. <i>Nanomaterials</i> , 2022, 12, 379.	1.9	19
17	Plackett-Burman and Box-Behnken designs as chemometric tools for micro-determination of l-Ornithine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 397-406.	2.0	18
18	Interaction of p-syneprine with p-chloranil: experimental design and multiple response optimization. <i>RSC Advances</i> , 2016, 6, 64967-64976.	1.7	16

#	ARTICLE	IF	CITATIONS
19	Green Tea Waste as an Efficient Adsorbent for Methylene Blue: Structuring of a Novel Adsorbent Using Full Factorial Design. <i>Molecules</i> , 2021, 26, 6138.	1.7	16
20	A Comparison between Different Agro-wastes and Carbon Nanotubes for Removal of Sarafloxacin from Wastewater: Kinetics and Equilibrium Studies. <i>Molecules</i> , 2020, 25, 5429.	1.7	15
21	Carbon-Based Materials (CBMs) for Determination and Remediation of Antimicrobials in Different Substrates: Wastewater and Infant Foods as Examples. , 0, , .		11
22	Spectrophotometric Determination of Cefepime Hydrochloride, Cefoperazone Sodium, Ceftazidime Pentahydrate, Cefuroxime Sodium and Etamsylate Using Ammonium Molybdate. <i>Scientia Pharmaceutica</i> , 2003, 71, 211-228.	0.7	10
23	Introductory Chapter: Infrared Spectroscopy - A Synopsis of the Fundamentals and Applications. , 2019, , .		10
24	Smart Synthesis of Trimethyl Ethoxysilane (TMS) Functionalized Core-Shell Magnetic Nanosorbents Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> : Process Optimization and Application for Extraction of Pesticides. <i>Molecules</i> , 2020, 25, 4827.	1.7	10
25	Polymerization of 3-cyanopropyl (triethoxy) silane: A kinetic study using gas chromatography. <i>International Journal of Chemical Kinetics</i> , 2018, 50, 846-855.	1.0	9
26	Utilization of 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole (NBD-Cl) for spectrochemical determination of L-ornithine: a multivariate optimization-assisted approach. <i>RSC Advances</i> , 2019, 9, 22106-22115.	1.7	8
27	Factorial Design and Machine Learning Strategies: Impacts on Pharmaceutical Analysis. , 0, , .		8
28	Self-association and thermodynamic behavior of etilefrine hydrochloride in aqueous electrolyte solution. <i>Journal of Chemical Thermodynamics</i> , 2014, 79, 76-83.	1.0	5
29	Application of a definitive screening design for the synthesis of a charge-transfer complex of sparfloxacin with tetracyanoethylene: spectroscopic, thermodynamic, kinetics, and DFT computational studies. <i>RSC Advances</i> , 2019, 9, 24722-24732.	1.7	5
30	Electrochemical Analysis of Sulfisoxazole Using Glassy Carbon Electrode (GCE) and MWCNTs/Rare Earth Oxide (CeO <sub>2</sub> and Yb <sub>2</sub> O <sub>3</sub> ) Modified-GCE Sensors. <i>Molecules</i> , 2022, 27, 2033.	1.7	4
31	Spectrophotometric Determination of Aciclovir, Cefepime Hydrochloride, Etamsylate and Metoclopramide Hydrochloride Using a 1,10-Phenanthroline-Fe(III) Reagent. <i>Scientia Pharmaceutica</i> , 2004, 72, 73-86.	0.7	3
32	Validated Spectrophotometric Assay of Cefepime Hydrochloride and Cefuroxime Sodium Using a Tetrazolium Salt. <i>E-Journal of Chemistry</i> , 2012, 9, 2261-2267.	0.4	3
33	Polymerization of organoalkoxysilanes: Kinetics of the polycondensation progress and the effect of solvent properties and salts addition. <i>Chemical Physics</i> , 2020, 530, 110642.	0.9	3
34	Electrochemical Impedance Spectroscopy (EIS) in Food, Water, and Drug Analyses: Recent Advances and Applications. , 0, , .		3
35	Lignin and Lignocellulosic Materials: A Glance on the Current Opportunities for Energy and Sustainability. , 2021, , 621-652.		3
36	Analytical Calibrations: Schemes, Manuals, and Metrological Deliberations. , 0, , .		2

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37	Multivariate analysis of tioconazole $\leftrightarrow$ TCNQ charge transfer interaction: Kinetics, thermodynamics and twofold response optimization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 202, 401-409.	2.0	2
38	SPECTROPHOTOMETRIC DETERMINATION OF DAPSONE AND TRANEXAMIC ACID USING HANTZSCH REACTION AND ITS APPLICATION IN PHARMACEUTICAL FORMULATIONS. Zagazig Journal of Pharmaceutical Sciences, 2004, 13, 6-11.	0.2	1
39	Application of Samarium- and Terbium-Sensitized Luminescence via a Multivariate-Based Approach for the Determination of Orbifloxacin. Journal of Chemistry, 2022, 2022, 1-12.	0.9	1
40	Application of Pulsed Streaming Potentials in Plastic Microfluidic Channels for Quantitative Point-of-Care Determination of Cardiac Markers. , 2016, , .		0
41	INTERACTIONS OF PHOSPHOMOLYBDIC ACID. Zagazig Journal of Pharmaceutical Sciences, 2012, 21, 20-24.	0.2	0
42	Synephrine as Antioxidant: Application in Quenching of Photo Induced Radical of Anthraquinone and Naphthoquinone. , 2016, , .		0
43	Green Synthesis Of Functionalized Nanoparticles Using A Fractional Factorial Design: Impact On Particle Size And Distribution Optimization. , 2018, , .		0