

# Medhat A Al-Ghobashy

## 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.

66

papers

880

citations

14

h-index

27

g-index

67

ext. papers

1,030

ext. citations

3.6

avg, IF

4.57

L-index

#	Paper	IF	Citations
66	Impedimetric Sensors for Cyclocreatine Phosphate Determination in Plasma Based on Electropolymerized Poly(-phenylenediamine) Molecularly Imprinted Polymers. <i>ACS Omega</i> , <b>2021</b> , 6, 31282-31291	3.2	1
65	Coupling of Trastuzumab chromatographic profiling with machine learning tools: A complementary approach for biosimilarity and stability assessment. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2021</b> , 1184, 122976	3.2	1
64	Preparation and characterization of 96-well microplates coated with molecularly imprinted polymer for determination and biosimilarity assessment of recombinant human erythropoietin. <i>Journal of Chromatography A</i> , <b>2021</b> , 1641, 462012	4.5	4
63	Facile imprinted polymer for label-free highly selective potentiometric sensing of proteins: case of recombinant human erythropoietin. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 3611-3623	4.4	3
62	Green and cost-effective extraction techniques of quercetin from mixture of nutraceuticals with yield analysis via spectrophotometry and high performance liquid chromatograph methods. <i>Journal of AOAC INTERNATIONAL</i> , <b>2021</b> ,	1.7	3
61	Optimization of polydopamine imprinted polymer for label free sensitive potentiometric determination of proteins: Application to recombinant human erythropoietin sensing in different matrices. <i>Microchemical Journal</i> , <b>2021</b> , 167, 106333	4.8	3
60	Development of Green and Efficient Extraction Methods of Quercetin from Red Onion Scales Wastes Using Factorial Design for Method Optimization: A Comparative Study. <i>Separations</i> , <b>2021</b> , 8, 1373-1	3.1	7
59	Quality Assessment of Lactoferrin in some Marketed Nutraceuticals Derived from Milk using Validated Analytical Methods. <i>ChemistrySelect</i> , <b>2020</b> , 5, 14816-14825	1.8	0
58	Analytical comparability study of anti-CD20 monoclonal antibodies rituximab and obinutuzumab using a stability-indicating orthogonal testing protocol: Effect of structural optimization and glycoengineering. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2020</b> , 1459, 100050	3.2	1
57	Nanoparticle-Enhanced Potentiometric Ion-Selective Electrodes for Therapeutic Drug Monitoring of Linezolid. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B1312-B1320	3.9	5
56	Stability and biosimilarity assessment of infliximab using an orthogonal testing protocol and statistically-guided interpretation of peptide mapping. <i>Analytical Methods</i> , <b>2019</b> , 11, 3198-3211	3.2	7
55	Energy-efficient carbon-doped titanium dioxide nanoparticles: synthesis, characterization, and catalytic properties under visible LED irradiation for degradation of gemifloxacin. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	2
54	Evaluation of the pattern and kinetics of degradation of adalimumab using a stability-indicating orthogonal testing protocol. <i>Biomedical Chromatography</i> , <b>2019</b> , 33, e4676	1.7	3
53	Coupling of GC-MS/MS to Principal Component Analysis for Assessment of Matrix Effect: Efficient Determination of Ultra-Low Levels of Pesticide Residues in Some Functional Foods. <i>Food Analytical Methods</i> , <b>2019</b> , 12, 2870-2885	3.4	4
52	Label-Free Potentiometric Ion Flux Immunosensor for Determination of Recombinant Human Myelin Basic Protein: Application to Downstream Purification from Transgenic Milk. <i>ACS Sensors</i> , <b>2019</b> , 4, 413-420	9.2	9
51	Voltammetric monitoring of linezolid, meropenem and theophylline in plasma. <i>Analytical Biochemistry</i> , <b>2018</b> , 545, 54-64	3.1	8
50	Computer-aided design of magnetic molecularly imprinted polymer nanoparticles for solid-phase extraction and determination of levetiracetam in human plasma.. <i>RSC Advances</i> , <b>2018</b> , 8, 14280-14292	3.7	9

49	Assessment of pectin-coated magnetite nanoparticles in low-energy water desalination applications. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 18476-18483	5.1	5
48	Comparative Assessment of the Effect of Hyper-glycosylation on the Pattern and Kinetics of Degradation of Darbepoetin Alfa using a Stability-Indicating Orthogonal Testing Protocol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1072, 405-414	3.2	6
47	Stability assessment of antibody-drug conjugate Trastuzumab emtansine in comparison to parent monoclonal antibody using orthogonal testing protocol. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 150, 268-277	3.5	21
46	Coupling of on-column trypsin digestion-peptide mapping and principal component analysis for stability and biosimilarity assessment of recombinant human growth hormone. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1072, 105-115	3.2	9
45	Simultaneous determination of linezolid, meropenem and theophylline in plasma. <i>Data in Brief</i> , <b>2018</b> , 21, 150-153	1.2	2
44	Magnetic molecularly imprinted polymer nanoparticles for simultaneous extraction and determination of 6-mercaptopurine and its active metabolite thioguanine in human plasma. <i>Journal of Chromatography A</i> , <b>2018</b> , 1561, 28-38	4.5	26
43	Determination of voriconazole and co-administered drugs in plasma of pediatric cancer patients using UPLC-MS/MS: A key step towards personalized therapeutics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1092, 489-498	3.2	5
42	Preparation and characterization of pH-responsive polyacrylamide molecularly imprinted polymer: Application to isolation of recombinant and wild type human serum albumin from biological sources. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1046, 34-47	3.2	12
41	Validated electrochemical and chromatographic quantifications of some antibiotic residues in pharmaceutical industrial waste water. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 7023-7034	5.1	6
40	Development and Pre-Clinical Evaluation of Recombinant Human Myelin Basic Protein Nano Therapeutic Vaccine in Experimental Autoimmune Encephalomyelitis Mice Animal Model. <i>Scientific Reports</i> , <b>2017</b> , 7, 46468	4.9	17
39	Correlation between Dynamic Light Scattering and Size Exclusion High Performance Liquid Chromatography for Monitoring the Effect of pH on Stability of Biopharmaceuticals. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1060, 1-9	3.2	20
38	Adsorptive Removal of Fluoroquinolones from Water by Pectin-Functionalized Magnetic Nanoparticles: Process Optimization Using a Spectrofluorimetric Assay. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 133-145	8.3	37
37	Evaluation of the combined effects of pegylation and glycosylation on the stability of erythropoietin using a stability-indicating SE-HPLC. <i>Biologicals</i> , <b>2017</b> , 50, 129-136	1.8	3
36	Optimization and in line potentiometric monitoring of enhanced photocatalytic degradation kinetics of gemifloxacin using TiO nanoparticles/HO. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 23880-23892	5.1	7
35	Development and validation of LC-MS/MS assay for the determination of Butoconazole in human plasma: Evaluation of systemic absorption following topical application in healthy volunteers. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , <b>2017</b> , 55, 303-310	1	1
34	Development and validation of a modified QuEChERS protocol coupled to LC-MS/MS for simultaneous determination of multi-class antibiotic residues in honey. <i>Food Chemistry</i> , <b>2016</b> , 190, 982-989	8.5	64
33	Optimization and validation of ELISA immunoassay for the evaluation of in-vitro relative potency of a four-component human papillomavirus vaccine products. <i>Biologicals</i> , <b>2016</b> , 44, 596-599	1.8	3
32	Development and validation of LC-MS/MS assay for the simultaneous determination of methotrexate, 6-mercaptopurine and its active metabolite 6-thioguanine in plasma of children with acute lymphoblastic leukemia: Correlation with genetic polymorphism. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1030, 88-94	3.2	35

31	Simultaneous determination of 200 pesticide residues in honey using gas chromatography-tandem mass spectrometry in conjunction with streamlined quantification approach. <i>Journal of Chromatography A</i> , <b>2016</b> , 1427, 142-60	4.5	43
30	On-column decaffeination and HPLC analysis of epigallocatechin gallate in green tea nutraceuticals. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 664-672	2.5	3
29	Immunoaffinity extraction using conformation-dependent antibodies coupled to SE-HPLC for the development of stability and potency-indicating assay for quadrivalent human papillomavirus vaccine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1032, 211-217	3.2	2
28	Removal of cationic and anionic dyes from aqueous solution with magnetite/pectin and magnetite/silica/pectin hybrid nanocomposites: kinetic, isotherm and mechanism analysis. <i>RSC Advances</i> , <b>2016</b> , 6, 11461-11480	3.7	128
27	Comparative Clinical Pharmacokinetics of Midodrine and Its Active Metabolite Desglymidodrine in Cirrhotic Patients with Tense Ascites Versus Healthy Volunteers. <i>Clinical Drug Investigation</i> , <b>2016</b> , 36, 147-55	3.2	
26	Development and Validation of Stability Indicating Spectrophotometric Methods for Determination of Sulbutiamine in Tablet Dosage Form. <i>Analytical Chemistry Letters</i> , <b>2016</b> , 6, 159-173	1	
25	Correlation of In Vivo and In Vitro Assay Results for Assessment of Free Radical Scavenging Activity of Green Tea Nutraceuticals. <i>Journal of Food Science</i> , <b>2016</b> , 81, C1707-15	3.4	8
24	Investigation of the Profile and Kinetics of Degradation of Fenticonazole Nitrate using Stability-indicating HPLC Assay in Presence of Methyl and Propyl Parabens: Application to Preformulation Studies. <i>Analytical Chemistry Letters</i> , <b>2016</b> , 6, 850-862	1	2
23	Optimization of photocatalytic degradation of meloxicam using titanium dioxide nanoparticles: application to pharmaceutical wastewater analysis, treatment, and cleaning validation. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15516-25	5.1	11
22	Investigation of the profile and kinetics of degradation of rivaroxaban using HPLC, TLC-densitometry and LC/MS/MS: Application to pre-formulation studies. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , <b>2015</b> , 53, 53-61	1	10
21	Development and validation of LC-MS/MS assay for the determination of the prodrug dabigatran etexilate and its active metabolites in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2015</b> , 989, 37-45	3.2	26
20	Development and validation of LC-MS/MS assay for the determination of the prodrug Midodrine and its active metabolite Desglymidodrine in plasma of ascitic patients: Application to individualized therapy and comparative pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2015</b> , 989, 37-45	3.2	11
19	Gallic acid magnetic nanoparticles for photocatalytic degradation of meloxicam: synthesis, characterization and application to pharmaceutical wastewater treatment. <i>RSC Advances</i> , <b>2015</b> , 5, 104987-104990	3.7	12
18	Assessment of the Effects of Glycosylation on the Pattern and Kinetics of Degradation of Lenograstim in Comparison to Filgrastim Using a Stability-Indicating Orthogonal Testing Protocol. <i>Chromatographia</i> , <b>2015</b> , 78, 1005-1015	2.1	9
17	Validated spectrophotometric methods for simultaneous determination of troxerutin and carbazochrome in dosage form. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 139, 206-13	4.4	5
16	Validated Chromatographic Methods for the Simultaneous Determination of Sodium Cromoglycate and Oxymetazoline Hydrochloride in a Combined Dosage Form. <i>Journal of Advances in Chemistry</i> , <b>2015</b> , 11, 3850-3859		4
15	Spectral resolution and simultaneous determination of oxymetazoline hydrochloride and sodium cromoglycate by derivative and ratio-based spectrophotometric methods. <i>European Journal of Chemistry</i> , <b>2015</b> , 6, 319-324	0.6	5
14	Chromatographic and electrophoretic assessment of Filgrastim biosimilars in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 97, 72-80	3.5	17

13	Assessment of the Degradation Pattern and Extent of PEG Interferon $\beta$ Using a Stability-Indicating SE-HPLC Assay. <i>Chromatographia</i> , <b>2014</b> , 77, 1661-1669	2.1	11
12	Electrophoretic behavior of charge regulated zwitter ionic buffers in covalently and dynamically coated fused silica capillaries. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , <b>2014</b> , 52, 71-78	1	5
11	Stability of catechins in green tea nutraceutical products: application of solid phase extraction-thin layer chromatography densitometry. <i>Food Chemistry</i> , <b>2014</b> , 156, 94-9	8.5	18
10	Phytosynthesis of Au, Ag, and Au@Ag Bimetallic Nanoparticles Using Aqueous Extract of Sago Pondweed ( <i>Potamogeton pectinatus</i> L.). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 1520-1529	8.3	98
9	Spectrophotometric and TLC-densitometric methods for the simultaneous determination of Ezetimibe and Atorvastatin calcium. <i>Journal of Advanced Research</i> , <b>2013</b> , 4, 51-9	13	20
8	Coupled solid phase extraction and microparticle-based stability and purity-indicating immunosensor for the determination of recombinant human myelin basic protein in transgenic milk. <i>Talanta</i> , <b>2013</b> , 109, 7-12	6.2	8
7	CZE with On-line Micellar Sample Stacking for Determination of Protein Concentration of Biopharmaceuticals. <i>Chromatographia</i> , <b>2011</b> , 73, 1145-1153	2.1	9
6	Probing the interaction between recombinant human myelin basic protein and caseins using surface plasmon resonance and diffusing wave spectroscopy. <i>Journal of Molecular Recognition</i> , <b>2010</b> , 23, 84-92	2.6	10
5	On-line casein micelle disruption for downstream purification of recombinant human myelin basic protein produced in the milk of transgenic cows. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 1667-77	3.2	14
4	Direct measurements of interfacial interactions between pectin and kappa-casein and implications for the stabilisation of calcium-free casein micelle mimics. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 338, 450-62	9.3	11
3	Factors Affecting the Performance of Capillary Isoelectric Focusing in Dynamically Coated Capillaries Using Polyethylene Oxide Polymer. <i>Analytical Letters</i> , <b>2008</b> , 41, 1914-1931	2.2	8
2	Kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry. <i>Il Farmaco</i> , <b>2003</b> , 58, 337-42		9
1	Determination of thiocolchicoside in its binary mixtures (thiocolchicoside-glafenine and thiocolchicoside-floctafenine) by TLC-densitometry. <i>Il Farmaco</i> , <b>2003</b> , 58, 463-8		10