

Bassam M Ayoub

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Omarigliptin attenuates rotenone-induced Parkinson's disease in rats: Possible role of oxidative stress, endoplasmic reticulum stress and immune modulation. <i>Food and Chemical Toxicology</i> , 2022, 164, 113015.	3.6	4
2	Repurposing of Omarigliptin as a Neuroprotective Agent Based on Docking with A2A Adenosine and AChE Receptors, Brain GLP-1 Response and Its Brain/Plasma Concentration Ratio after 28 Days Multiple Doses in Rats Using LC-MS/MS. <i>Molecules</i> , 2021, 26, 889.	3.8	10
3	Economic Spectrofluorometric Bioanalysis of Empagliflozin in Rats's Plasma. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-7.	1.6	3
4	Investigation of Pharmacokinetic Parameters of Trelagliptin in Egyptian Volunteers Using Sensitive LC-MS/MS: A Comparative Study with a Japanese Population. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-9.	1.6	1
5	Enhanced Extraction Technique of Omarigliptin from Human Plasma Applied to Biological Samples from Healthy Human Volunteers. <i>Molecules</i> , 2020, 25, 4232.	3.8	2
6	Development of Advanced Chemometric-Assisted Spectrophotometric Methods for the Determination of Cromolyn Sodium and Its Alkaline Degradation Products. <i>Molecules</i> , 2020, 25, 5953.	3.8	5
7	COVID-19 vaccination clinical trials should consider multiple doses of BCG. <i>Die Pharmazie</i> , 2020, 75, 159.	0.5	16
8	Multifaceted repurposing of Flozins, Glitazones, Gliptins and GLP-1 agonists as potential Pluritherapeutic agents. <i>Research Journal of Pharmacy and Technology</i> , 2020, 13, 498.	0.8	2
9	Avoiding COVID-19 complications with diabetic patients could be achieved by multi-dose Bacillus Calmette-Guérin vaccine: a case study of beta cells regeneration. <i>Die Pharmazie</i> , 2020, 75, 375-380.	0.5	1
10	Rosuvastatin dose should be case individualized: An observation from inherited hypercholesterolemia case study. <i>Die Pharmazie</i> , 2020, 75, 531-532.	0.5	0
11	Analysis and bio-analysis of omarigliptin, trelagliptin and alogliptin: Applied to biological samples and degradation kinetic study. <i>Microchemical Journal</i> , 2019, 148, 253-261.	4.5	15
12	Repositioning of dipeptidyl peptidase-4 inhibitors and glucagon like peptide-1 agonists as potential neuroprotective agents. <i>Neural Regeneration Research</i> , 2019, 14, 745.	3.0	33
13	Pleiotropic Repositioning of Metformin as a Potential Pluripotent Drug. <i>Research Journal of Pharmacy and Technology</i> , 2019, 12, 5716.	0.8	3
14	Bioavailability Study of Niosomal Salbutamol Sulfate in Metered Dose Inhaler: Controlled Pulmonary Drug Delivery. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2018, 31, 114-115.	1.4	15
15	Factorial design optimization of micelle enhanced synchronous spectrofluorimetric assay of Omarigliptin: Applied to content uniformity testing and <i>in vitro</i> drug release. <i>Luminescence</i> , 2018, 33, 797-805.	2.9	8
16	Structural re-positioning, <i>in silico</i> molecular modelling, oxidative degradation, and biological screening of linagliptin as adenosine 3 receptor (ADORA3) modulators targeting hepatocellular carcinoma. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 858-866.	5.2	12
17	Different Spectrophotometric Methods for Simultaneous Determination of Trelagliptin and Its Acid Degradation Product. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-7.	1.6	2
18	Repositioning of Omarigliptin as a once-weekly intranasal Anti-parkinsonian Agent. <i>Scientific Reports</i> , 2018, 8, 8959.	3.3	39

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19	DOE Optimization of Nano-based Carrier of Pregabalin as Hydrogel: New Therapeutic & Chemometric Approaches for Controlled Drug Delivery Systems. <i>Scientific Reports</i> , 2017, 7, 41503.	3.3	70
20	Comparative study between different simple methods manipulating ratio spectra for the analysis of alogliptin and metformin co-formulated with highly different concentrations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 186, 23-28.	3.9	4
21	LC-MS/MS Determination of Empagliflozin and Metformin. <i>Journal of Chromatographic Science</i> , 2017, 55, 742-747.	1.4	35
22	Quantitative Analysis of Drugs with Highly Different Concentrations of Pharmaceutical Components Using Spectral Subtraction Techniques. <i>Journal of Applied Spectroscopy</i> , 2017, 84, 884-887.	0.7	1
23	Suitability of various chromatographic and spectroscopic techniques for analysis and kinetic degradation study of trelagliptin. <i>Scientific Reports</i> , 2017, 7, 17255.	3.3	6
24	Pharmacokinetic Evaluation of Empagliflozin in Healthy Egyptian Volunteers Using LC-MS/MS and Comparison with Other Ethnic Populations. <i>Scientific Reports</i> , 2017, 7, 2583.	3.3	25
25	Enhanced LC-MS/MS determination of alogliptin and metformin in plasma: Application to a pharmacokinetic study. <i>Microchemical Journal</i> , 2017, 130, 360-365.	4.5	31
26	NANO-VESICLES OF SALBUTAMOL SULPHATE IN METERED DOSE INHALERS: FORMULATION, CHARACTERIZATION AND IN VITRO EVALUATION. <i>International Journal of Applied Pharmaceutics</i> , 2017, 9, 100.	0.3	19
27	Green Pharmaceutical Analysis of Drugs Coformulated with Highly Different Concentrations Using Spiking and Manipulation of Their Ratio Spectra. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 985-991.	1.5	2
28	Mean Centering Method for determination of Empagliflozin and Metformin. <i>Marmara Pharmaceutical Journal</i> , 2017, 21, 669-669.	0.5	14
29	Comparative study between UHPLC-UV and UPLC-MS/MS methods for determination of alogliptin and metformin in their pharmaceutical combination. <i>Die Pharmazie</i> , 2017, 72, 67-72.	0.5	12
30	Development and validation of simple spectrophotometric and chemometric methods for simultaneous determination of empagliflozin and metformin: Applied to recently approved pharmaceutical formulation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 118-122.	3.9	44
31	A guide for using experimental design in chromatographic method development: applied to the analysis of selected anti-diabetic pharmaceutical combinations. <i>Die Pharmazie</i> , 2016, 71, 683-690.	0.5	9
32	UPLC simultaneous determination of empagliflozin, linagliptin and metformin. <i>RSC Advances</i> , 2015, 5, 95703-95709.	3.6	74
33	Enhanced Chromatographic Determination of Nicotine in Human Plasma: Applied to Human Volunteers. <i>International Journal of Biomedical Science</i> , 2015, 11, 185-9.	0.1	1
34	Spectrofluorometric determination of linagliptin in bulk and in pharmaceutical dosage form. <i>European Journal of Chemistry</i> , 2014, 5, 380-382.	0.6	13
35	DEVELOPMENT AND VALIDATION OF A STABILITY-INDICATING RP-LC METHOD FOR THE DETERMINATION OF SITAGLIPTIN AND SIMVASTATIN IN THE PRESENCE OF THEIR DEGRADATION PRODUCTS IN BULK DRUG MIXTURE AND COMBINED PHARMACEUTICAL PREPARATIONS. <i>Journal of Liquid Chromatography and Related Technologies</i> . 2014. 37, 1895-1908.	1.0	5
36	Simultaneous determination of sitagliptin and metformin in ternary mixture with sitagliptin acid degradation product. <i>European Journal of Chemistry</i> , 2013, 4, 360-365.	0.6	6

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37	Development and validation of a reversed phase liquid chromatographic method for the determination of three Gliptins and Metformin in the presence of Metformin impurity (1-cyanoguanidine). <i>European Journal of Chemistry</i> , 2013, 4, 444-449.	0.6	11
38	Liquid chromatographic determination of sitagliptin either alone or in ternary mixture with metformin and sitagliptin degradation product. <i>Talanta</i> , 2011, 85, 673-680.	5.5	56
39	Spectrofluorometric and spectrophotometric methods for the determination of sitagliptin in binary mixture with metformin and ternary mixture with metformin and sitagliptin alkaline degradation product. <i>International Journal of Biomedical Science</i> , 2011, 7, 62-9.	0.1	8