

Mohamed W Attwa

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.

68

papers

764

citations

18

h-index

24

g-index

71

ext. papers

931

ext. citations

3.3

avg, IF

4.81

L-index

#	Paper	IF	Citations
68	Estimation of zorifertinib metabolic stability in human liver microsomes using LC-MS/MS.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 211, 114626	3.5	3
67	Development of novel univariate and multivariate validated chemometric methods for the analysis of dasatinib, sorafenib, and vandetanib in pure form, dosage forms and biological fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 264, 120336	4.4	2
66	Lodenafil.. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2022 , 47, 113-147	3	
65	Detection and characterization of simvastatin and its metabolites in rat tissues and biological fluids using MALDI high resolution mass spectrometry approach.. <i>Scientific Reports</i> , 2022 , 12, 4757	4.9	0
64	Spectroscopic, molecular docking and dynamic simulation studies of binding between the new anticancer agent olmutinib and human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-11	3.6	1
63	A Validated LC-MS/MS Assay for the Simultaneous Quantification of the FDA-Approved Anticancer Mixture (Encorafenib and Binimetinib): Metabolic Stability Estimation. <i>Molecules</i> , 2021 , 26,	4.8	1
62	LC-MS/MS method for the quantification of the anti-cancer agent infigratinib: Application for estimation of metabolic stability in human liver microsomes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1179, 122806	3.2	6
61	LC-MS/MS Estimation of Rociletinib Levels in Human Liver Microsomes: Application to Metabolic Stability Estimation. <i>Drug Design, Development and Therapy</i> , 2021 , 15, 3915-3925	4.4	1
60	Simple and efficient spectroscopic-based univariate sequential methods for simultaneous quantitative analysis of vandetanib, dasatinib, and sorafenib in pharmaceutical preparations and biological fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 260, 119987	4.4	3
59	Identification and characterization of , , and reactive metabolites of tandutinib using liquid chromatography ion trap mass spectrometry. <i>Analytical Methods</i> , 2021 , 13, 399-410	3.2	1
58	Effective quantification of ravidasvir (an NS5A inhibitor) and sofosbuvir in rat plasma by validated LC-MS/MS method and its application to pharmacokinetic study. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 8160-8171	5.9	3
57	Characterization of Stable and Reactive Metabolites of the Anticancer Drug, Ensartinib, in Human Liver Microsomes Using LC-MS/MS: An in silico and Practical Bioactivation Approach. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 5259-5273	4.4	1
56	Identification of Iminium Intermediates Generation in the Metabolism of Tepotinib Using LC-MS/MS: In Silico and Practical Approaches to Bioactivation Pathway Elucidation. <i>Molecules</i> , 2020 , 25,	4.8	4
55	EGFR Inhibitor Gefitinib Induces Cardiotoxicity through the Modulation of Cardiac PTEN/Akt/FoxO3a Pathway and Reactive Metabolites Formation: and Rat Studies. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1719-1728	4	7
54	Development and validation of an HPLC-MS/MS method for the determination of filgotinib, a selective Janus kinase 1 inhibitor: Application to a metabolic stability study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1154, 122195	3.2	5
53	and metabolism of ribociclib: a mass spectrometric approach to bioactivation pathway elucidation and metabolite profiling.. <i>RSC Advances</i> , 2020 , 10, 22668-22683	3.7	10
52	Metabolic Stability Assessment of New PARP Inhibitor Talazoparib Using Validated LC-MS/MS Methodology: In silico Metabolic Vulnerability and Toxicity Studies. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 783-793	4.4	18

51	Phase I metabolic profiling and unexpected reactive metabolites in human liver microsome incubations of X-376 using LC-MS/MS: bioactivation pathway elucidation and toxicity studies of its metabolites.. <i>RSC Advances</i> , 2020 , 10, 5412-5427	3.7	18
50	Metabolic Stability Assessment of Larotrectinib Using Liquid Chromatography Tandem Mass Spectrometry. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 111-119	4.4	1
49	A New Validated HPLC-MS/MS Method for Quantification and Pharmacokinetic Evaluation of Dovitinib, a Multi-Kinase Inhibitor, in Mouse Plasma. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 407-415	4.4	3
48	Identification and characterization of , , and reactive metabolites of infigratinib using LC-ITMS: bioactivation pathway elucidation and toxicity studies of its metabolites.. <i>RSC Advances</i> , 2020 , 10, 16231-16244	3.7	4
47	Exploring the effect of khat (<i>Catha edulis</i>) chewing on the pharmacokinetics of the antiplatelet drug clopidogrel in rats using the newly developed LC-MS/MS technique. <i>Open Chemistry</i> , 2020 , 18, 681-690	1.6	5
46	Fragmentation pattern of certain isatinindole antiproliferative conjugates with application to identify their in vitro metabolic profiles in rat liver microsomes by liquid chromatography tandem mass spectrometry. <i>Open Chemistry</i> , 2020 , 18, 503-515	1.6	1
45	Detection and characterization of olmutinib reactive metabolites by LC-MS/MS: Elucidation of bioactivation pathways. <i>Journal of Separation Science</i> , 2020 , 43, 708-718	3.4	22
44	LC-MS/MS Estimation of the Anti-Cancer Agent Tandutinib Levels in Human Liver Microsomes: Metabolic Stability Evaluation Assay. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 4439-4449	4.4	2
43	Validated liquid chromatography tandem mass spectrometry for simultaneous quantification of foretinib and lapatinib, and application to metabolic stability investigation.. <i>RSC Advances</i> , 2019 , 9, 19323-19335	3.7	5
42	A highly sensitive LC-MS/MS method to determine novel Bruton's tyrosine kinase inhibitor spebrutinib: application to metabolic stability evaluation. <i>Royal Society Open Science</i> , 2019 , 6, 190434	3.3	9
41	Validated LC-MS/MS assay for quantification of the newly approved tyrosine kinase inhibitor, dacomitinib, and application to investigating its metabolic stability. <i>PLoS ONE</i> , 2019 , 14, e0214598	3.7	12
40	Identification of reactive intermediate formation and bioactivation pathways in Abemaciclib metabolism by LC-MS/MS: metabolic investigation. <i>Royal Society Open Science</i> , 2019 , 6, 181714	3.3	14
39	Reactive intermediates in naquotinib metabolism identified by liquid chromatography-tandem mass spectrometry: phase I metabolic profiling.. <i>RSC Advances</i> , 2019 , 9, 10211-10225	3.7	2
38	Belizatinib: Novel reactive intermediates and bioactivation pathways characterized by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 171, 132-147	3.5	9
37	A simple liquid chromatography-tandem mass spectrometry method to accurately determine the novel third-generation EGFR-TKI naquotinib with its applicability to metabolic stability assessment.. <i>RSC Advances</i> , 2019 , 9, 4862-4869	3.7	13
36	Reactive intermediates in copanlisib metabolism identified by LC-MS/MS: phase I metabolic profiling.. <i>RSC Advances</i> , 2019 , 9, 6409-6418	3.7	4
35	Liquid chromatography-tandem mass spectrometry metabolic profiling of nazartinib reveals the formation of unexpected reactive metabolites. <i>Royal Society Open Science</i> , 2019 , 6, 190852	3.3	3
34	Sapitinib: reactive intermediates and bioactivation pathways characterized by LC-MS/MS.. <i>RSC Advances</i> , 2019 , 9, 32995-33006	3.7	3

33	Reactive intermediates and bioactivation pathways characterization of avitinib by LC-MS/MS: In vitro metabolic investigation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 164, 659-667	3.5	34
32	Investigation of metabolic stability of the novel ALK inhibitor brigatinib by liquid chromatography tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2018 , 480, 180-185	6.2	25
31	A reliable and stable method for the determination of foretinib in human plasma by LC-MS/MS: Application to metabolic stability investigation and excretion rate. <i>European Journal of Mass Spectrometry</i> , 2018 , 24, 344-351	1.1	24
30	LC-ESI-MS/MS reveals the formation of reactive intermediates in brigatinib metabolism: elucidation of bioactivation pathways.. <i>RSC Advances</i> , 2018 , 8, 1182-1190	3.7	25
29	LC-MS/MS reveals the formation of reactive ortho-quinone and iminium intermediates in saracatinib metabolism: Phase I metabolic profiling. <i>Clinica Chimica Acta</i> , 2018 , 482, 84-94	6.2	24
28	LC-ESI-MS/MS identification and characterization of ponatinib in vivo phase I and phase II metabolites. <i>Clinica Chimica Acta</i> , 2018 , 485, 144-151	6.2	2
27	Investigation of metabolic degradation of new ALK inhibitor: Entrectinib by LC-MS/MS. <i>Clinica Chimica Acta</i> , 2018 , 485, 298-304	6.2	17
26	LC-MS/MS reveals the formation of iminium and quinone methide reactive intermediates in entrectinib metabolism: In vivo and in vitro metabolic investigation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 160, 19-30	3.5	32
25	Development and validation of an HPLC-MS/MS method for the determination of arginine-vasopressin receptor blocker conivaptan in human plasma and rat liver microsomes: application to a metabolic stability study. <i>Chemistry Central Journal</i> , 2018 , 12, 47		3
24	Characterization of reactive intermediates formation in dacomitinib metabolism and bioactivation pathways elucidation by LC-MS/MS: phase I metabolic investigation.. <i>RSC Advances</i> , 2018 , 8, 38733-38744	2.7	11
23	Investigation of the metabolic stability of olmutinib by validated LC-MS/MS: quantification in human plasma.. <i>RSC Advances</i> , 2018 , 8, 40387-40394	3.7	18
22	Identification and characterization of in vivo, in vitro and reactive metabolites of vandetanib using LC-ESI-MS/MS. <i>Chemistry Central Journal</i> , 2018 , 12, 99		29
21	Characterization of in vivo metabolites in rat urine following an oral dose of masitinib by liquid chromatography tandem mass spectrometry. <i>Chemistry Central Journal</i> , 2018 , 12, 61		4
20	Development and validation of HPLC-MS/MS method for the determination of lixivaptan in mouse plasma and its application in a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2017 , 31, e4007	1.7	4
19	Identification and characterization of in vitro phase I and reactive metabolites of masitinib using a LC-MS/MS method: bioactivation pathway elucidation. <i>RSC Advances</i> , 2017 , 7, 4479-4491	3.7	33
18	Liquid chromatographic-tandem mass spectrometric assay for simultaneous quantitation of tofacitinib, cabozantinib and afatinib in human plasma and urine. <i>Tropical Journal of Pharmaceutical Research</i> , 2017 , 15, 2683	0.8	16
17	LC-MS/MS method for the quantification of masitinib in RLMs matrix and rat urine: application to metabolic stability and excretion rate. <i>Chemistry Central Journal</i> , 2017 , 11, 136		13
16	LC-MS/MS reveals the formation of aldehydes and iminium reactive intermediates in foretinib metabolism: phase I metabolic profiling. <i>RSC Advances</i> , 2017 , 7, 36279-36287	3.7	24

15	Liquid chromatography tandem mass spectrometry method for the quantification of vandetanib in human plasma and rat liver microsomes matrices: metabolic stability investigation. <i>Chemistry Central Journal</i> , 2017 , 11, 45		22
14	An LC-MS/MS method for rapid and sensitive high-throughput simultaneous determination of various protein kinase inhibitors in human plasma. <i>Biomedical Chromatography</i> , 2017 , 31, e3793	1.7	31
13	Isatin-benzoxazine molecular hybrids as potential antiproliferative agents: synthesis and in vitro pharmacological profiling. <i>Drug Design, Development and Therapy</i> , 2017 , 11, 2333-2346	4.4	37
12	Rapid validated liquid chromatographic method coupled with Tandem mass spectrometry for quantification of nintedanib in human plasma. <i>Tropical Journal of Pharmaceutical Research</i> , 2016 , 15, 2467	0.8	10
11	Liquid chromatographic-mass spectrometric method for determination of drug content uniformity of two commonly used dermatology medications in a split-tablet dosage form. <i>Tropical Journal of Pharmaceutical Research</i> , 2016 , 15, 1283	0.8	0
10	Validated LC-MS/MS Method for the Quantification of Ponatinib in Plasma: Application to Metabolic Stability. <i>PLoS ONE</i> , 2016 , 11, e0164967	3.7	24
9	A highly efficient and sensitive LC-MS/MS method for the determination of afatinib in human plasma: application to a metabolic stability study. <i>Biomedical Chromatography</i> , 2016 , 30, 1248-55	1.7	26
8	Detection and characterization of ponatinib reactive metabolites by liquid chromatography tandem mass spectrometry and elucidation of bioactivation pathways. <i>RSC Advances</i> , 2016 , 6, 72575-72585	3.7	29
7	Pseudo-MS3 Approach Using Electrospray Mass Spectrometry (ESI-MS/MS) to Characterize Certain (2E)-2-[3-(1H-Imidazol-1-yl)-1-phenylpropylidene]hydrazinecarboxamide Derivatives. <i>Journal of Chemistry</i> , 2014 , 2014, 1-10	2.3	2
6	Multistage fragmentation of ion trap mass spectrometry system and pseudo-MS3 of triple quadrupole mass spectrometry characterize certain (E)-3-(dimethylamino)-1-arylprop-2-en-1-ones: a comparative study. <i>Scientific World Journal, The</i> , 2014 , 2014, 702819	2.2	2
5	Induced in-source fragmentation pattern of certain novel (1Z,2E)-N-(aryl)propanehydrazonoyl chlorides by electrospray mass spectrometry (ESI-MS/MS). <i>Chemistry Central Journal</i> , 2013 , 7, 16		6
4	High Throughput Quantitative Bioanalytical LC/MS/MS Determination of Gemifloxacin in Human Urine. <i>Journal of Chemistry</i> , 2013 , 2013, 1-9	2.3	13
3	A preliminary study of arecoline and guvacoline presence in the saliva of a "betel-quist" chewer using liquid-chromatography ion trap mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2013 , 19, 391-7	1.1	7
2	Fragmentation Behavior Studies of Chalcones Employing Direct Analysis in Real Time (DART). <i>Mass Spectrometry Letters</i> , 2013 , 4, 30-33		5
1	Microwave-assisted solution-phase synthesis and DART-mass spectrometric monitoring of a combinatorial library of indolin-2,3-dione schiff bases with potential antimycobacterial activity. <i>Molecules</i> , 2011 , 16, 5194-206	4.8	9