Hany W Darwish

List of Publications by Year
in descending order

73	1,202	279701	434063
papers	citations	23 h-index	31 g-index

76	76	76	883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three different spectrophotometric methods manipulating ratio spectra for determination of binary mixture of Amlodipine and Atorvastatin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 140-148.	2.0	87
2	Fluorescence spectroscopic and molecular docking studies of the binding interaction between the new anaplastic lymphoma kinase inhibitor crizotinib and bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 174-182.	2.0	65
3	Three different methods for determination of binary mixture of Amlodipine and Atorvastatin using dual wavelength spectrophotometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 70-76.	2.0	49
4	Synthesis, cytotoxic evaluation, and molecular docking studies of novel quinazoline derivatives with benzenesulfonamide and anilide tails: Dual inhibitors of EGFR/HER2. Bioorganic Chemistry, 2020, 95, 103461.	2.0	41
5	Investigation of metabolic degradation of new ALK inhibitor: Entrectinib by LC-MS/MS. Clinica Chimica Acta, 2018, 485, 298-304.	0.5	38
6	LCâ€“MS/MS reveals the formation of iminium and quinone methide reactive intermediates in entrectinib metabolism: In vivo and in vitro metabolic investigation. Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 19-30.	1.4	37
7	Comparative study between derivative spectrophotometry and multivariate calibration as analytical tools applied for the simultaneous quantitation of Amlodipine, Valsartan and Hydrochlorothiazide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 113, 215-223.	2.0	35
8	Identification and characterization of in vitro phase I and reactive metabolites of masitinib using a LC-MS/MS method: bioactivation pathway elucidation. RSC Advances, 2017, 7, 4479-4491.	1.7	35
9	Detection and characterization of ponatinib reactive metabolites by liquid chromatography tandem mass spectrometry and elucidation of bioactivation pathways. RSC Advances, 2016, 6, 72575-72585.	1.7	34
10	Identification and characterization of in vivo, in vitro and reactive metabolites of vandetanib using LCâ€“ESIâ€“MS/MS. Chemistry Central Journal, 2018, 12, 99.	2.6	33
11	LC-MS/MS reveals the formation of aldehydes and iminium reactive intermediates in foretinib metabolism: phase I metabolic profiling. RSC Advances, 2017, 7, 36279-36287.	1.7	31
12	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. European Journal of Mass Spectrometry, 2018, 24, 344-351.	0.5	31
13	LCâ€“MS/MS method for the quantification of masitinib in RLMs matrix and rat urine: application to metabolic stability and excretion rate. Chemistry Central Journal, 2017, 11, 136.	2.6	30
14	Validated LC-MS/MS Method for the Quantification of Ponatinib in Plasma: Application to Metabolic Stability. PLoS ONE, 2016, 11, e0164967.	1.1	29
15	A highly efficient and sensitive LCâ€MS/MS method for the determination of afatinib in human plasma: application to a metabolic stability study. Biomedical Chromatography, 2016, 30, 1248-1255.	0.8	28
16	Liquid chromatography tandem mass spectrometry method for the quantification of vandetanib in human plasma and rat liver microsomes matrices: metabolic stability investigation. Chemistry Central Journal, 2017, 11, 45.	2.6	28
17	LC-ESI-MS/MS reveals the formation of reactive intermediates in brigatinib metabolism: elucidation of bioactivation pathways. RSC Advances, 2018, 8, 1182-1190.	1.7	28
18	Investigation of the metabolic stability of olmutinib by validated LC-MS/MS: quantification in human plasma. RSC Advances, 2018, 8, 40387-40394.	1.7	28

#	Article	IF	Citations
19	Investigation of metabolic stability of the novel ALK inhibitor brigatinib by liquid chromatography tandem mass spectrometry. Clinica Chimica Acta, 2018, 480, 180-185.	0.5	27
20	Solid-state potentiometric sensor for the rapid assay of the biologically active biogenic amine (tyramine) as a marker of food spoilage. Food Chemistry, 2021, 346, 128911.	4.2	27
21	Support vector regression and artificial neural network models for stability indicating analysis of mebeverine hydrochloride and sulpiride mixtures in pharmaceutical preparation: A comparative study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 515-526.	2.0	25
22	LC-MS/MS reveals the formation of reactive ortho -quinone and iminium intermediates in saracatinib metabolism: Phase I metabolic profiling. Clinica Chimica Acta, 2018, 482, 84-94.	0.5	25
23	Identification of reactive intermediate formation and bioactivation pathways in Abemaciclib metabolism by LCâ€“MS/MS: in vitro metabolic investigation. Royal Society Open Science, 2019, 6, 181714.	1.1	24
24	Different approaches in Partial Least Squares and Artificial Neural Network models applied for the analysis of a ternary mixture of Amlodipine, Valsartan and Hydrochlorothiazide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 744-750.	2.0	23
25	Multivariate Versus Classical Univariate Calibration Methods for Spectrofluorimetric Data: Application to Simultaneous Determination of Olmesartan Medoxamil and Amlodipine Besylate in their Combined Dosage Form. Journal of Fluorescence, 2013, 23, 79-91.	1.3	19
26	Spectroscopic and molecular docking studies of the binding of the angiotensin II receptor blockers (ARBs) azilsartan, eprosartan and olmesartan to bovine serum albumin. Journal of Luminescence, 2018, 203, 616-628.	1.5	19
27	Application of smart spectrophotometric methods and artificial neural network for the simultaneous quantitation of olmesartan medoxamil, amlodipine besylate and hydrochlorothiazide in their combined pharmaceutical dosage form. Chemistry Central Journal, 2013, 7, 22.	2.6	16
28	Micellar enhanced synchronous spectrofluorimetric method for determination of dasatinib in tablets, human plasma and urine: application to in vitro drug release and content uniformity test. RSC Advances, 2015, 5, 54471-54480.	1.7	16
29	In silico and in vitro metabolism of ribociclib: a mass spectrometric approach to bioactivation pathway elucidation and metabolite profiling. RSC Advances, 2020, 10, 22668-22683.	1.7	16
30	Rapid validated liquid chromatographic method coupled with Tandem mass spectrometry for quantification of nintedanib in human plasma. Tropical Journal of Pharmaceutical Research, 2016, 15, 2467.	0.2	13
31	Belizatinib: Novel reactive intermediates and bioactivation pathways characterized by LCâ€“MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2019, 171, 132-147.	1.4	13
32	Advanced stability indicating chemometric methods for quantitation of amlodipine and atorvastatin in their quinary mixture with acidic degradation products. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 58-66.	2.0	12
33	Response surface methodology for optimization of micellar-enhanced spectrofluorimetric method for assay of foretinib in bulk powder and human urine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 257, 119811.	2.0	12
34	Comparative ANNs with Different Input Layers and GA-PLS Study for Simultaneous Spectrofluorimetric Determination of Melatonin and Pyridoxine HCl in the Presence of Melatoninâ€™s Main Impurity. Molecules, 2013, 18, 974-996.	1.7	11
35	A new method to determine the new C-Met inhibitor â€œCabozantinibâ€•in dosage form and human plasma via micelle-enhanced spectrofluorimetry. RSC Advances, 2015, 5, 40484-40490.	1.7	11
36	Orthogonal projection to latent structures and first derivative for manipulation of PLSR and SVR chemometric models' prediction: A case study. PLoS ONE, 2019, 14, e0222197.	1.1	11

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37	Micellar Enhanced Spectrofluorimetric Method for the Determination of Ponatinib in Human Plasma and Urine via Cremophor RH 40 as Sensing Agent. International Journal of Analytical Chemistry, 2015, 2015, 1-9.	0.4	10
38	Spectrophotometric and computational investigations of charge transfer complexes of chloranilic acid with tyrosine kinase inhibitors and application to development of novel universal 96-microwell assay for their determination in pharmaceutical formulations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119482.	2.0	10
39	Synthesis, spectroscopic and computational studies on hydrogen bonded charge transfer complex of duvelisib with chloranilic acid: Application to development of novel 96-microwell spectrophotometric assay. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120287.	2.0	10
40	Improved partial least squares models for stabilityâ€indicating analysis of mebeverine and sulpiride mixtures in pharmaceutical preparation: A comparative study. Drug Testing and Analysis, 2013, 5, 325-333.	1.6	9
41	A Stability-Indicating HPLC-DAD Method for Determination of Stiripentol: Development, Validation, Kinetics, Structure Elucidation and Application to Commercial Dosage Form. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-10.	0.7	9
42	Full spectrum and selected spectrum based multivariate calibration methods for simultaneous determination of betamethasone dipropionate, clotrimazole and benzyl alcohol: Development, validation and application on commercial dosage form. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 169, 50-57.	2.0	9
43	Simultaneous quantitative analysis of olmesartan, amlodipine and hydrochlorothiazide in their combined dosage form utilizing classical and alternating least squares based chemometric methods. Acta Pharmaceutica, 2016, 66, 83-95.	0.9	9
44	Stabilityâ€indicating chemometric methods for the determination of tazarotene. Drug Testing and Analysis, 2010, 2, 357-361.	1.6	8
45	Stability indicating spectrophotometric methods for quantitative determination of bromazepam and its degradation product. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118433.	2.0	8
46	A new spectrofluorimetric assay method for vandetanib in tablets, plasma and urine. Tropical Journal of Pharmaceutical Research, 2016, 15, 2219.	0.2	7
47	Enhanced spectrofluorimetric determination of the multitargeted tyrosine kinase inhibitor, crizotinib, in human plasma via micelle-mediated approach. Tropical Journal of Pharmaceutical Research, 2016, 15, 2209.	0.2	7
48	LC-ESI-MS/MS identification and characterization of ponatinib in vivo phase I and phase II metabolites. Clinica Chimica Acta, 2018, 485, 144-151.	0.5	7
49	Validated liquid chromatography tandem mass spectrometry for simultaneous quantification of foretinib and lapatinib, and application to metabolic stability investigation. RSC Advances, 2019, 9, 19325-19332.	1.7	7
50	Development of innovative artificial neural networks for simultaneous determination of lapatinib and foretinib in human urine by micellar enhanced synchronous spectrofluorimetry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118438.	2.0	7
51	Experimental and Computational Evaluation of Chloranilic Acid as an Universal Chromogenic Reagent for the Development of a Novel 96-Microwell Spectrophotometric Assay for Tyrosine Kinase Inhibitors. Molecules, 2021, 26, 744.	1.7	7
52	Development and validation of a stability indicating RP-HPLC-DAD method for the determination of bromazepam. PLoS ONE, 2021, 16, e0244951.	1.1	7
53	A Validated LCâ€“MS/MS Assay for the Simultaneous Quantification of the FDA-Approved Anticancer Mixture (Encorafenib and Binimetinib): Metabolic Stability Estimation. Molecules, 2021, 26, 2717.	1.7	7
54	Irbesartan (a comprehensive profile). Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 185-272.	3.5	6

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55	New spectrofluorimetric methods for determination of melatonin in the presence of N-{2-[1-({3-[2-(acetylamino)ethyl]-5-methoxy-1H-indol-2-yl}methyl)-5-methoxy-1H-indol-3-yl]-ethyl}acetamide: a contaminant in commercial melatonin preparations. Chemistry Central Journal, 2012, 6, 36.	2.6	5
56	Development of novel response surface methodology-assisted micellar enhanced synchronous spectrofluorimetric method for determination of vandetanib in tablets, human plasma and urine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 213, 272-280.	2.0	5
57	Comparative Study of Novel Ratio Spectra and Isoabsorptive Point Based Spectrophotometric Methods: Application on a Binary Mixture of Ascorbic Acid and Rutin. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-12.	0.7	4
58	Characterization of in vivo metabolites in rat urine following an oral dose of masitinib by liquid chromatography tandem mass spectrometry. Chemistry Central Journal, 2018, 12, 61.	2.6	4
59	Five modified classical least squares based models for stability indicating analysis of cyclobenzaprine HCl with its major degradation products: A comparative study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 598-602.	2.0	4
60	Metabolic Stability Assessment of Larotrectinib Using Liquid Chromatography Tandem Mass Spectrometry . Drug Design, Development and Therapy, 2020, Volume 14, 111-119.	2.0	4
61	Design, Synthesis, Characterization of Novel Ruthenium(II) Catalysts: Highly Efficient and Selective Hydrogenation of Cinnamaldehyde to (E)-3-Phenylprop-2-en-1-ol. Molecules, 2014, 19, 5965-5980.	1.7	3
62	Experimental and computational evaluation of kolliphor RH 40 as a new fluorescence enhancer in development of a micellar-based spectrofluorimetric method for determination of lapatinib in tablets and urine. PLoS ONE, 2020, 15, e0239918.	1.1	3
63	Synthesis, spectroscopic and computational characterization of charge transfer complex of remdesivir with chloranilic acid: Application to development of novel 96-microwell spectrophotometric assay. Journal of Molecular Structure, 2022, 1263, 133104.	1.8	3
64	DNA Binding Test, X-Ray Crystal Structure, Spectral Studies, TG-DTA, and Electrochemistry of [CoX2(dmdphphen)] (Dmdphphen Is 2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline, X = Cl, and NCS) Complexes. Bioinorganic Chemistry and Applications, 2014, 2014, 1-7.	1.8	2
65	Highly Sensitive Micellar Enhanced Spectrofluorimetric Method for Determination of Mirtazapine in Tablets and Human Urine: Application to In Vitro Drug Release and Content Uniformity Test. Journal of Chemistry, 2016, 2016, 1-8.	0.9	2
66	Determination of Cefoperazone Sodium in Presence of Related Impurities by Improved Classical Least Squares Chemometric Methods: A Comparative Study. Journal of Chemistry, 2016, 2016, 1-8.	0.9	2
67	Reactive intermediates in naquotinib metabolism identified by liquid chromatography-tandem mass spectrometry: phase I metabolic profiling. RSC Advances, 2019, 9, 10211-10225.	1.7	2
68	Novel spectrofluorimetric determination of brigatinib in bulk powder and human urine samples via ion-pair complex formation using eosin Y. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119210.	2.0	2
69	Crystal structure of (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]-N-(4-methylphenyl)hydrazinecarboxamide, C20H21N5O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2014, 229, 311-312.	0.1	1
70	Quantification of total mercury in compact fluorescent lamps in Saudi Arabia using inductively coupled plasma mass spectrometry (ICP-MS). Main Group Chemistry, 2016, 15, 117-124.	0.4	1
71	A novel method to determine new potent angiotensin inhibitor, azilsartan, in human plasma via micelle-enhanced spectrofluorimetry using cremophor RH 40. Tropical Journal of Pharmaceutical Research, 2016, 15, 1003.	0.2	1
72	Full spectrum and genetic algorithm-selected spectrum-based chemometric methods for simultaneous determination of azilsartan medoxomil, chlorthalidone, and azilsartan: Development, validation, and application on commercial dosage form. Open Chemistry, 2021, 19, 205-213.	1.0	1

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73	Innovative use of Ïƒ and Ï€ electron acceptors in the development of three high throughput 96-microwell spectrophotometric assays for crizotinib. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 259, 119884.	2.0	1