

# Mahmoud A Omar

## List of Publications by Year in descending order

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papers

952  
citations

471509

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Kinetic spectrofluorimetric determination of certain cephalosporins in human plasma. <i>Talanta</i> , 2009, 77, 1394-1404.	5.5	45
2	Validated spectrofluorimetric method for determination of selected aminoglycosides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 472-478.	3.9	42
3	Development of spectrofluorimetric method for determination of certain aminoglycoside drugs in dosage forms and human plasma through condensation with ninhydrin and phenyl acetaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1760-1766.	3.9	35
4	Spectrophotometric and Spectrofluorimetric Determination of Certain Diuretics Through Ternary Complex Formation with Eosin and Lead (II). <i>Journal of Fluorescence</i> , 2010, 20, 275-281.	2.5	27
5	Development and validation of a new spectrofluorimetric method for the determination of some beta-blockers through fluorescence quenching of eosin Y. Application to content uniformity test. <i>Open Chemistry</i> , 2016, 14, 258-266.	1.9	25
6	An efficient spectrofluorimetric method adopts doxazosin, terazosin and alfuzosin coupling with orthophthalaldehyde: Application in human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 195, 215-222.	3.9	25
7	Development and validation of a stability-indicating spectrofluorimetric method for the determination of H1N1 antiviral drug (oseltamivir phosphate) in human plasma through the Hantzsch reaction. <i>RSC Advances</i> , 2015, 5, 27735-27742.	3.6	24
8	Studying the association complex formation of atomoxetine and fluvoxamine with eosin Y and its application in their fluorimetric determination. <i>Royal Society Open Science</i> , 2018, 5, 170943.	2.4	24
9	Highly sensitive spectrofluorimetric method for determination of doxazosin through derivatization with fluorescamine; Application to content uniformity testing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 55-60.	3.9	23
10	Micellar spectrofluorimetric protocol for the innovative determination of HCV antiviral (daclatasvir) with enhanced sensitivity: Application to human plasma and stability study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 57-64.	3.9	23
11	Highly Sensitive Spectrofluorimetric Method for Determination of Certain Aminoglycosides in Pharmaceutical Formulations and Human Plasma. <i>AAPS PharmSciTech</i> , 2013, 14, 828-837.	3.3	22
12	Enhancement of the sensitivity of valacyclovir and acyclovir for their spectrofluorimetric determination in human plasma. <i>RSC Advances</i> , 2015, 5, 78920-78926.	3.6	22
13	Development and Validation of highly Sensitive Stability Indicating Spectrofluorimetric Method for Determination of Amlodipine in Pharmaceutical Preparations and Human Plasma. <i>Journal of Fluorescence</i> , 2016, 26, 2141-2149.	2.5	22
14	Utility of Hantzsch reaction for development of highly sensitive spectrofluorimetric method for determination of alfuzosin and terazosin in bulk, dosage forms and human plasma. <i>Luminescence</i> , 2017, 32, 1066-1071.	2.9	22
15	Derivatization of labetalol hydrochloride for its spectrofluorimetric and spectrophotometric determination in human plasma: Application to stability study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 457-463.	3.9	22
16	Innovative thin-layer chromatographic method combined with fluorescence detection for specific determination of Febuxostat: Application in biological fluids. <i>Talanta</i> , 2018, 176, 318-328.	5.5	20
17	Spectrofluorimetric and micelle-enhanced spectrofluorimetric methods for determination of Felodipine and Nimodipine in pharmaceutical preparations and human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 934-940.	3.9	19
18	Study on fluorescence properties of HCV antiviral (velpatasvir) and its fluorimetric determination in presence of sofosbuvir; application to stability study and human plasma. <i>Luminescence</i> , 2018, 33, 1249-1256.	2.9	19

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19	Utility of 4-chloro-7-nitrobenzo-2-oxa-1,3-diazole for development of a highly sensitive stability indicating spectrofluorimetric method for determination of salmeterol xinafoate; application to human plasma. RSC Advances, 2017, 7, 44773-44779.	3.6	18
20	Analysis of quetiapine in human plasma using fluorescence spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 196-201.	3.9	18
21	Specific and highly sensitive spectrofluorimetric method for determination of febuxostat in its tablets and real human plasma. Application to stability studies. RSC Advances, 2016, 6, 73432-73439.	3.6	16
22	Selectivity Improvement for Spectrofluorimetric Determination of Oseltamivir Phosphate in Human Plasma and in the Presence of Its Degradation Product. Journal of Fluorescence, 2017, 27, 1323-1330.	2.5	16
23	Spectrophotometric and spectrofluorimetric methods for determination of certain biologically active phenolic drugs in their bulk powders and different pharmaceutical formulations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 108-116.	3.9	16
24	Kinetic Spectrophotometric Determination of Certain Cephalosporins in Pharmaceutical Formulations. International Journal of Analytical Chemistry, 2009, 2009, 1-12.	1.0	15
25	An experimental ninhydrin design approach for the sensitive spectrofluorimetric assay of milnacipran in human urine and plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 292-297.	3.9	15
26	Novel spectrofluorimetric approach for determination of ledipasvir through UV-irradiation: application to biological fluids, pharmacokinetic study and content uniformity test. RSC Advances, 2019, 9, 34256-34264.	3.6	15
27	Micellar based spectrofluorimetric method for the selective determination of ledipasvir in the presence of sofosbuvir: application to dosage forms and human plasma. Luminescence, 2020, 35, 486-492.	2.9	15
28	Utility of ninhydrin reagent for spectrofluorimetric determination of heptaminol in human plasma. Luminescence, 2018, 33, 1107-1112.	2.9	13
29	Micellar enhanced spectrofluorimetric approach for nanogram detection of certain $\beta$ -blocker drugs: Application in pharmaceutical preparations and human plasma. Luminescence, 2018, 33, 1226-1234.	2.9	13
30	Diarylpyrrolone based fluorophore for the selective spectrofluorometric method for determination of Linagliptin antidiabetic drug in pharmaceutical tablets. Microchemical Journal, 2019, 148, 555-560.	4.5	13
31	Square-wave Adsorptive Anodic Stripping Voltammetric Determination of Antidiabetic Drug Linagliptin in Pharmaceutical Formulations and Biological Fluids Using a Pencil Graphite Electrode. Analytical Sciences, 2020, 36, 1031-1038.	1.6	13
32	Utility of the chromogenic and fluorogenic properties of benzofurazan for the assay of milnacipran in human urine and plasma. RSC Advances, 2018, 8, 22154-22160.	3.6	12
33	New spectrofluorimetric analysis of empagliflozin in its tablets and human plasma using two level full factorial design. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 235, 118307.	3.9	12
34	Spectrofluorimetric and TLC-densitometric methods for a stability indicating assay of valacyclovir hydrochloride in the presence of its degradation product. RSC Advances, 2014, 4, 42308-42315.	3.6	11
35	Validated thin-layer chromatographic method for alternative and simultaneous determination of two anti-gout agents in their fixed dose combinations. Open Chemistry, 2018, 16, 496-510.	1.9	11
36	New approach for stability study and determination of fluvoxamine in raw materials and pharmaceuticals through condensation with 2,2-dihydroxyindane-1,3-dione. Luminescence, 2020, 35, 934-940.	2.9	11

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37	Chiral separation of perindopril erbumine enantiomers using high performance liquid chromatography and capillary electrophoresis. <i>Analytical Methods</i> , 2014, 6, 825-830.	2.7	10
38	New spectrofluorimetric analysis of dapagliflozin after derivatization with NBD-Cl in human plasma using factorial design experiments. <i>Luminescence</i> , 2019, 34, 576-584.	2.9	10
39	Innovative TLC-densitometric method with fluorescent detection for simultaneous determination of ternary anti-diabetic mixture in pharmaceutical formulations and human plasma. <i>Microchemical Journal</i> , 2021, 165, 106131.	4.5	10
40	Spectrofluorimetric determination of certain biologically active phenothiazines in commercial dosage forms and human plasma. <i>Luminescence</i> , 2013, 28, 345-354.	2.9	9
41	Sensitive Spectrofluorimetric Protocol for the Determination of Fluoxetine and Paroxetine Through Binary Complex Formation with Eosin Y. <i>Analytical Chemistry Letters</i> , 2016, 6, 508-517.	1.0	9
42	Simultaneous Determination of Tizanidine, Nimesulide, Aceclofenac and Paracetamol in Tablets and Biological Fluids Using Micellar Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2018, 56, 233-241.	1.4	9
43	Development and validation of TLC-densitometric method for simultaneous determination of two binary antihypertensive mixtures containing felodipine in fixed dose combinations. <i>Biomedical Chromatography</i> , 2016, 30, 200-207.	1.7	8
44	Spectrofluorimetric determination of thioridazine and flupentixol in dosage forms; application to content uniformity test. <i>Luminescence</i> , 2016, 31, 1091-1097.	2.9	8
45	The convenient use of fluorecamine for spectrofluorimetric determination of midodrine hydrochloride in pure form and its tablets formulation: Application to content uniformity testing. <i>Luminescence</i> , 2019, 34, 84-89.	2.9	8
46	Benzofurazan-based fluorophore for the selective determination of flupentixol dihydrochloride: Application to content uniformity testing. <i>Luminescence</i> , 2018, 33, 1026-1032.	2.9	8
47	Simple ultrasensitive spectrofluorimetric method for determination of midodrine in its tablet form: Application to content uniformity testing. <i>Luminescence</i> , 2019, 34, 854-858.	2.9	8
48	Use of acetylacetone for nano-level assay of fluvoxamine maleate in pure form and pharmaceutical formulation. <i>Luminescence</i> , 2020, 35, 1360-1365.	2.9	8
49	Spectrophotometric Determination of Certain Antimigraine Drugs in Pharmaceutical Formulations Using p-Chloranil Reagent; Application to Content Uniformity Testing. <i>Analytical Chemistry Letters</i> , 2017, 7, 611-622.	1.0	7
50	Specific stability indicating spectrofluorimetric method for determination of ledipasvir in the presence of its confirmed degradation products; application in human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 50-57.	3.9	7
51	Fluorecamine-based fluorophore for spectrofluorimetric determination of heptaminol in human plasma; application to spiked human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117711.	3.9	7
52	HPTLC-densitometric analysis of selected antidiabetic drugs in presence of their degradation products. <i>Microchemical Journal</i> , 2020, 154, 104560.	4.5	7
53	Spectrofluorimetric protocol for antidepressant drugs in dosage forms and human plasma through derivatization with dansyl chloride. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3197-S3206.	4.9	6
54	HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, TLC-DENSITOMETRY, AND FIRST-DERIVATIVE SPECTROPHOTOMETRY FOR SIMULTANEOUS DETERMINATION OF AMLODIPINE AND PERINDOPRIL IN BULK POWDER AND ITS TABLETS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1323-1339.	1.0	5

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55	Design and strategy approach for spectrofluorimetric determination of midodrine in tablets: Application to content uniformity testing. <i>Microchemical Journal</i> , 2019, 146, 544-547.	4.5	5
56	Secondâ€derivative synchronous spectrofluorimetric assay of dapagliflozin: Application to stability study and pharmaceutical preparation. <i>Luminescence</i> , 2020, 35, 260-265.	2.9	5
57	TLC-spectrodensitometric method for simultaneous determination of dapagliflozin and rosuvastatin in rabbit plasma: stability indicating assay and kinetic studies. <i>RSC Advances</i> , 2020, 10, 40795-40805.	3.6	5
58	Novel kinetic spectrophotometric method for estimation of certain biologically active phenolic sympathomimetic drugs in their bulk powders and different pharmaceutical formulations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 310-317.	3.9	4
59	Fluorescence spectroscopy for determination of dapagliflozin in pure form and its tablets formulation; Application to content uniformity testing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118642.	3.9	4
60	Spectrofluorometric determination of alogliptin an antidiabetic drug in pure and tablet form using fluorescamine, a fluorogenic agent: application to content uniformity test. <i>Luminescence</i> , 2020, 35, 1028-1035.	2.9	4
61	Spectrofluorimetric approach for determination of citicoline in the presence of co-formulated piracetam through fluorescence quenching of eosin Y. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 236, 118337.	3.9	4
62	Derivatization of tranexamic acid for its rapid spectrofluorimetric determination in pure form and pharmaceutical formulations: Application in human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119111.	3.9	4
63	Innovative Thin-Layer Chromatography/Fluorescence Detection Approach for Sensitive and Specific Determination of Ledipasvir in Ratsâ€™ Feces and Pharmaceutical Dosage Form. <i>Journal of Chromatographic Science</i> , 2021, 59, 634-641.	1.4	4
64	Spectrofluorimetric approach for determination of tranexamic acid in pure form and pharmaceutical formulations; Application in human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118510.	3.9	4
65	Multi-walled carbon nanotubes/polyaniline covalently attached 18-crown-6-ether as a polymeric material for the potentiometric determination of delafloxacin. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 311-323.	2.9	4
66	Development and validation of stability indicating chromatographic methods for simultaneous determination of citicoline and piracetam. <i>Journal of Separation Science</i> , 2020, 43, 2981-2988.	2.5	3
67	Thinâ€layer chromatography/fluorescence detection approach for sensitive and selective determination of hepatitis C virus antiviral (velpatasvir): application to human plasma. <i>Luminescence</i> , 2020, 35, 1048-1055.	2.9	3
68	Use of Hantzsch reaction for quantitation of milnacipran as a magic treatment for fibromyalgia syndrome in human plasma and urine. <i>Luminescence</i> , 2021, 36, 73-78.	2.9	3
69	Design and strategy for spectrofluorimetric determination of tranexamic acid in its authentic form and pharmaceutical preparations: application to spiked human plasma. <i>Luminescence</i> , 2021, 36, 1327-1334.	2.9	3
70	A Glassy Carbon Electrode for the Determination of Linagliptin, an Antidiabetic Drug in Pure Form, Tablets and Some Biological Fluids by Adsorptive Stripping Voltammetry. <i>Current Pharmaceutical Design</i> , 2021, 27, 2415-2424.	1.9	3
71	SPECTROPHOTOMETRIC AND SPECTROFLUORIMETRIC DETERMINATION OF CERTAIN DIURETICS IN PURE FORMS AND IN THEIR PHARMACEUTICAL FORMULATIONS. <i>Bulletin of Pharmaceutical Sciences</i> , 2006, 29, 33-58.	0.1	3
72	Direct Injection Microemulsion HPLC Method for Simultaneous Determination of Morphine, Tramadol and Lornoxicam in Biological Fluids Using Monolithic Column. <i>Current Pharmaceutical Analysis</i> , 2020, 16, 1148-1156.	0.6	3

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73	Selective Spectrofluorimetric Method with Enhanced Sensitivity for Determination of Silodosine in Dosage Form and Human Plasma. Application to Stability Studies and Content Uniformity Testing. <i>Journal of Fluorescence</i> , 2017, 27, 473-482.	2.5	2
74	Utility of Von Pechman synthesis of coumarin reaction for development of spectrofluorimetric method for quantitation of salmeterol xinafoate in pharmaceutical preparations and human plasma. <i>Luminescence</i> , 2018, 33, 913-918.	2.9	2
75	New enhanced spectrofluorimetric approach for picogram detection of Fenoterol hydrobromide through Von Pechman synthesis of coumarins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 702-707.	3.9	2
76	The convenient use of fluorescamine for spectrofluorimetric quantitation of pramipexole in pure form and pharmaceutical formulation; application to content uniformity testing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118414.	3.9	2
77	The first spectrofluorimetric approach for quantification of colistin sulfate and its prodrug colistimethate sodium in pharmaceutical dosage form and human plasma. <i>Luminescence</i> , 2021, 36, 1249-1256.	2.9	2
78	Simple TLC-spectrodensitometric method for studying lipophilicity and quantitative analysis of hypoglycemic drugs in their binary mixture. <i>Biomedical Chromatography</i> , 2021, 35, e5154.	1.7	2
79	Utilization of a complex arrangement approach for spectroscopic examination with Eosin Y of various cephalosporins in their pure or pharmaceutical dosage forms, and in human plasma. <i>Luminescence</i> , 2021, 36, 1572-1583.	2.9	2
80	An innovational validated spectrofluorimetric technique for determination of 6-Aminocaproic acid in pure form and its tablet: Application to spiked human plasma and urine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 119984.	3.9	2
81	Micelle-enhanced spectrofluorimetric method for the rapid determination of bronchodilator terbutaline and its prodrug bambuterol: application for content uniformity test. <i>Luminescence</i> , 2022, 37, 1057-1063.	2.9	2
82	Utility of Europium ion characteristic peak for quantitation of Fenoterol hydrobromide and Salmeterol xinafoate in different matrices; application to stability studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 182-189.	3.9	1
83	The first spectrofluorimetric approach for accurate determination of trimetazidine in its dosage forms: Application to content uniformity testing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118710.	3.9	1
84	Highly sensitive spectrofluorimetric procedure for the assay of phenothiazine derivatives in the presence of their sulfoxide oxidized product. <i>Luminescence</i> , 2020, 35, 1134-1141.	2.9	1
85	Mending the fluorescence of two $\beta$ -blockers through a semiquinoid formation: Hyphenated with experimental design optimization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118624.	3.9	1
86	Innovative spectrofluorometric protocol based on micro-environment improvement for determination of Quetiapine in dosage forms and rat plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118196.	3.9	1
87	Condensation of heptaminol hydrochloride for its spectrofluorimetric determination in pure form and tablets: application in human plasma. <i>Luminescence</i> , 2020, 35, 821-826.	2.9	1
88	Benzofurazan -based fluorophore for the spectrofluorimetric determination of 6-Aminocaproic acid: Application to spiked human plasma and urine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120723.	3.9	1
89	Micellar Thin Layer Chromatography and Computer-Aided Analysis of Empagliflozin, Linagliptin and Metformin HCl Ternary Mixture. <i>Journal of Chromatographic Science</i> , 2022, 60, 946-952.	1.4	1
90	Green spectrofluorimetric determination of salmeterol xinafoate in its pure forms, medicinal commercial formula, and human plasma: Application for stability studies. <i>Luminescence</i> , 2021, 36, 937-942.	2.9	0

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91	Sensitivity Improvement for Spectrofluorimetric Determination of Commonly Used Antifungal Drug "Nystatin" Application for Oral Suspension. Luminescence, 2021, , .	2.9	0
92	A novel spectrofluorimetric method for determination of lomefloxacin adopting on zinc(II) chelation strategy: Application in human plasma. Luminescence, 2021, , .	2.9	0
93	Selective Spectrofluorimetric Protocol for Determination of Commonly Used Gram-negative Bactericidal Drug in Combined Pharmaceutical Dosage Forms and Human Plasma. Journal of Fluorescence, 2022, 32, 603.	2.5	0
94	Salvage Parenteral Antibiotics for Multidrug-Resistant (MDR) Gram-Negative Bacteria; A Fluorescamine-Based Technique for Ultrasensitive Spectrofluorimetric Measurement of Polymyxins; Human Plasma Application. Luminescence, 2022, , .	2.9	0