

Sayed M Derayea

List of Publications by Year in descending order

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97
papers

1,073
citations

430843
18
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642715
23
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97
all docs

97
docs citations

97
times ranked

539
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A feasible fluorimetric approach anchored in diaryl pyrrolone derivative for the facile analysis of milnacipran in tablets; evaluation of the method greenness. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121024.	3.9	16
4	Ultrasensitive TLC determination of montelukast and loratadine mixture in human plasma utilizing fluorescence detection at dual pH values: Toward attaining separate maximum fluorescence intensity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1193, 123161.	2.3	5
5	A simple single jar “off fluorescence”-designed system for the determination of mitoxantrone using an eosin Y dye in raw powder, vial, and human biofluids. <i>RSC Advances</i> , 2022, 12, 7413-7421.	3.6	26
6	Development of a simple validated spectrofluorometric method for the assay of midodrine in tablets dosage form; Application to content uniformity testing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121046.	3.9	6
7	Resonance Rayleigh scattering approach based on association complex formation with erythrosine B for determination of venlafaxine, application to the dosage form and spiked human plasma. <i>Luminescence</i> , 2022, 37, 1215-1222.	2.9	4
8	Green innovative fluorescence approach for the feasible and reliable assay of thiol-containing drugs; captopril as a model. <i>RSC Advances</i> , 2022, 12, 17607-17616.	3.6	19
9	A new feasible approach based on utility of ninhydrin for selective fluorimetric analysis of baclofen. Application to content uniformity evaluation. <i>Luminescence</i> , 2021, 36, 588-594.	2.9	5
10	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
11	A Flavin Derivative-Based Fluorometric Analysis for the Diabetes Mellitus Inducer, Alloxan, for Its Follow-up in Flour and Flour-Derived Food. <i>Food Analytical Methods</i> , 2021, 14, 473-484.	2.6	2
12	Investigating the interaction of mitoxantrone with anionic surfactants by spectrofluorimetry and its application for the feasible analysis of pharmaceutical preparation and biological fluids. <i>Luminescence</i> , 2021, 36, 443-453.	2.9	17
13	A new convenient methodology based on dihydropyridine derivative for selective fluorimetric analysis of baclofen: Application to spiked urine and content uniformity evaluation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119165.	3.9	8
14	Resonance Rayleigh scattering and spectrofluorimetric approaches for the selective determination of rupatadine using erythrosin B as a probe: application to content uniformity test. <i>Luminescence</i> , 2021, 36, 651-657.	2.9	18
15	Investigating the interaction of terbinafine with xanthenes dye for its feasible determination applying the resonance Rayleigh scattering technique. <i>Royal Society Open Science</i> , 2021, 8, 201545.	2.4	14
16	Innovative Thin-Layer Chromatography/Fluorescence Detection Approach for Sensitive and Specific Determination of Ledipasvir in Rats’ Feces and Pharmaceutical Dosage Form. <i>Journal of Chromatographic Science</i> , 2021, 59, 634-641.	1.4	4
17	Feasible TLC-Spectro-Densitometry Technique for Simultaneous Determination of Two Hepatitis C Antiviral Drugs, Sofosbuvir and Simeprevir: Application to Combined Pharmaceutical Dosage Forms and Human Plasma. <i>Journal of Chromatographic Science</i> , 2021, 59, 576-583.	1.4	4
18	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

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19	A Glassy Carbon Electrode for the Determination of Linagliptin, an Antidiabetic Drug in Pure Form, Tablets and Some Biological Fluids by Adsorptive Stripping Voltammetry. Current Pharmaceutical Design, 2021, 27, 2415-2424.	1.9	3
20	Investigation of the association complex formed between dapoxetine and erythrosine-B for facile dapoxetine assay in pharmaceutical formulation using resonance Rayleigh scattering and spectrofluorimetric techniques. Luminescence, 2021, 36, 1977-1984.	2.9	5
21	Two facile approaches based on association complex with erythrosine-B for nano-level analysis of duloxetine: application to content uniformity. Royal Society Open Science, 2021, 8, 210922.	2.4	9
22	Orthophthaldehyde as a fluorescent probe for the feasible and sensitive assay of heptaminol: application to dosage forms and real human plasma. Luminescence, 2021, , .	2.9	4
23	Novel Potentiometric Sensor for the Selective Determination of Cefotaxime Sodium and Its Application to Pharmaceutical Analysis. IEEE Sensors Journal, 2020, 20, 3415-3422.	4.7	3
24	Sensitive spectrofluorimetric assay based on micelle enhanced protocol for the determination of hepatitis C antiviral agent (simeprevir): Application to dosage form and human plasma. Microchemical Journal, 2020, 152, 104372.	4.5	9
25	Microenvironment improvement protocol for the sensitive spectrofluorimetric determination of an hepatitis C virus antiviral (Simeprevir): application to human plasma. Luminescence, 2020, 35, 393-399.	2.9	1
26	TLC-spectrodensitometric method for simultaneous determination of dapagliflozin and rosuvastatin in rabbit plasma: stability indicating assay and kinetic studies. RSC Advances, 2020, 10, 40795-40805.	3.6	5
27	A new approach based on isoindole formation reaction for sensitive fluorimetric assay of milnacipran in tablets and biological fluids (plasma/urine). RSC Advances, 2020, 10, 38884-38889.	3.6	9
28	Development and validation of stability indicating chromatographic methods for simultaneous determination of citicoline and piracetam. Journal of Separation Science, 2020, 43, 2981-2988.	2.5	3
29	Micelle sensitized synchronous spectrofluorimetric approaches for the simultaneous determination of simeprevir and ledipasvir: Application to pharmaceutical formulations and human plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118471.	3.9	9
30	Mending the fluorescence of two β -blockers through a semiquinoid formation: Hyphenated with experimental design optimization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118624.	3.9	1
31	Stress stability study of simeprevir, a hepatitis C virus inhibitor, using feasible TLC-spectro-densitometry: application to pharmaceutical dosage form and human plasma. RSC Advances, 2020, 10, 21100-21107.	3.6	3
32	Use of acetylacetone for nano-level assay of fluvoxamine maleate in pure form and pharmaceutical formulation. Luminescence, 2020, 35, 1360-1365.	2.9	8
33	A review on the use of fluorecamine as versatile and convenient analytical probe. Microchemical Journal, 2020, 156, 104835.	4.5	20
34	Impact of single nucleotide polymorphisms (R132Q and W120R) on the binding affinity and metabolic activity of CYP2C19 toward some therapeutically important substrates. Xenobiotica, 2020, 50, 1510-1519.	1.1	2
35	Spectrofluorometric determination of alogliptin an antidiabetic drug in pure and tablet form using fluorecamine, a fluorogenic agent: application to content uniformity test. Luminescence, 2020, 35, 1028-1035.	2.9	4
36	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

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37	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
38	Micellar-based spectrofluorimetric method for the selective determination of ledipasvir in the presence of sofosbuvir: application to dosage forms and human plasma. <i>Luminescence</i> , 2020, 35, 486-492.	2.9	15
39	The convenient use of fluorecamine 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
40	Thin-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
41	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
42	New approach for stability study and determination of fluvoxamine in raw materials and pharmaceuticals through condensation with 2,2-dihydroxyindane-1,3-dione. <i>Luminescence</i> , 2020, 35, 934-940.	2.9	11
43	One-pot reaction for determination of Asenapine maleate through facile complex formation with xanthine based dye: Application to content uniformity test. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118474.	3.9	11
44	One-pot micellar augmented native fluorescence for facile fluorimetric assay of dapoxetine hydrochloride in biological plasma and tablets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118512.	3.9	6
45	Xanthene based resonance Rayleigh scattering and spectrofluorimetric probes for the determination of cyclobenzaprine: Application to content uniformity test. <i>Reviews in Analytical Chemistry</i> , 2020, 39, 222-230.	3.2	18
46	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
47	Facile one-pot green solvent synergized fluorescence reaction for determination of doxorubicin in presence of paclitaxel; co-administered drug, application to stability study and analysis in bulk, vial and biological fluids. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8026-8038.	4.9	21
48	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
49	Effect of Drug Combination on Omeprazole Metabolism by Cytochrome P450 2C19 in <i>Helicobacter pylori</i> Eradication Therapy. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 810-815.	1.3	5
50	Isoindole based fluorophore for the sensitive fluorimetric determination of isobutyl gamma aminobutyric acid. <i>Microchemical Journal</i> , 2019, 150, 104143.	4.5	7
51	Investigating erythrosine B as a fluorimetric probe for the determination of benzimidazole drugs via facile complexation reaction. <i>Microchemical Journal</i> , 2019, 149, 104024.	4.5	23
52	Diarylpyrrolone based fluorophore for the selective spectrofluorometric method for determination of Linagliptin antidiabetic drug in pharmaceutical tablets. <i>Microchemical Journal</i> , 2019, 148, 555-560.	4.5	13
53	Employ fourier transform infrared spectroscopy spectroscopy for determination of second-generation anti-HCV (sofosbuvir, daclatasvir) drugs: Application to uniformity of dosage units. <i>Vibrational Spectroscopy</i> , 2019, 102, 47-51.	2.2	11
54	A reductant colorimetric method for the rapid detection of certain cephalosporins via the production of gold and silver nanoparticles. <i>Microchemical Journal</i> , 2019, 146, 864-871.	4.5	11

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55	A highly sensitive fluorimetric protocol based on isoindole formation for determination of gabapentin. RSC Advances, 2019, 9, 29942-29948.	3.6	9
56	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
57	Xanthene based spectroscopic probe for the analysis of HCV antiviral, daclatasvir dihydrochloride, through feasible complexation reaction. Microchemical Journal, 2019, 145, 672-675.	4.5	20
58	Investigation on drug-binding in heme pocket of CYP2C19 with UV-visible and resonance Raman spectroscopies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 209-216.	3.9	10
59	An efficient spectrofluorimetric method adopts doxazosin, terazosin and alfuzosin coupling with orthophthalaldehyde: Application in human plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 215-222.	3.9	25
60	Facile complexation reactions for the selective spectrofluorimetric determination of albendazole in oral dosage forms and spiked human plasma. RSC Advances, 2018, 8, 5373-5381.	3.6	24
61	Analysis of quetiapine in human plasma using fluorescence spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 196-201.	3.9	18
62	Simultaneous Determination of Tizanidine, Nimesulide, Aceclofenac and Paracetamol in Tablets and Biological Fluids Using Micellar Liquid Chromatography. Journal of Chromatographic Science, 2018, 56, 233-241.	1.4	9
63	Switch on fluorescence probe for the selective determination of lisinopril in pharmaceutical formulations: application to content uniformity testing. RSC Advances, 2018, 8, 16269-16277.	3.6	10
64	Studying the association complex formation of atomoxetine and fluvoxamine with eosin Y and its application in their fluorimetric determination. Royal Society Open Science, 2018, 5, 170943.	2.4	24
65	An innovative validated spectrofluorimetric method for determination of Lisinopril in presence of hydrochlorothiazide; application to content uniformity testing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 318-323.	3.9	10
66	Derivatization of labetalol hydrochloride for its spectrofluorimetric and spectrophotometric determination in human plasma: Application to stability study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 457-463.	3.9	22
67	Innovative thin-layer chromatographic method combined with fluorescence detection for specific determination of Febuxostat: Application in biological fluids. Talanta, 2018, 176, 318-328.	5.5	20
68	Improved spectrofluorimetric determination of mebendazole, a benzimidazole anthelmintic drug, through complex formation with lanthanum (III); Application to pharmaceutical preparations and human plasma. Journal of Molecular Liquids, 2018, 272, 337-343.	4.9	18
69	Study on fluorescence properties of HCV antiviral (velpatasvir) and its fluorimetric determination in presence of sofosbuvir; application to stability study and human plasma. Luminescence, 2018, 33, 1249-1256.	2.9	19
70	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
71	Benzofurazan-based fluorophore for the selective determination of flupentixol dihydrochloride: Application to content uniformity testing. Luminescence, 2018, 33, 1026-1032.	2.9	8
72	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

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73	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
74	Application of a xanthene dye, eosin Y, as spectroscopic probe in chemical and pharmaceutical analysis; a review. Reviews in Analytical Chemistry, 2018, 37, .	3.2	33
75	Development of spectrofluorimetric method for determination of certain antiepileptic drugs through condensation with ninhydrin and phenyl acetaldehyde. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 48-54.	3.9	12
76	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
77	Spectroscopic Analysis and Antibacterial Evaluation of Certain Third Generation Cephalosporins Through Metal Complexation. Analytical Chemistry Letters, 2017, 7, 445-457.	1.0	1
78	Selective spectrofluorimetric method for determination of Lisinopril in pharmaceutical preparations and in presence of hydrochlorothiazide: Application to content uniformity testing. Luminescence, 2017, 32, 1482-1487.	2.9	12
79	Selective Spectrofluorimetric Method with Enhanced Sensitivity for Determination of Silodosine in Dosage Form and Human Plasma. Application to Stability Studies and Content Uniformity Testing. Journal of Fluorescence, 2017, 27, 473-482.	2.5	2
80	Spectrofluorimetric protocol for antidepressant drugs in dosage forms and human plasma through derivatization with dansyl chloride. Arabian Journal of Chemistry, 2017, 10, S3197-S3206.	4.9	6
81	Solid-State FTIR Spectroscopic Study of Two Binary Mixtures: Cefepime-Metronidazole and Cefoperazone-Sulbactam. Journal of Spectroscopy, 2017, 2017, 1-6.	1.3	9
82	A Validated Enantioselective HPLC Method for Assay of S-Amlodipine Using Crown Ether as a Chiral Stationary Phase. Current Analytical Chemistry, 2017, 13, 117-123.	1.2	3
83	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. Open Chemistry, 2016, 14, 258-266.	1.9	25
84	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
85	Sensitive Spectrofluorimetric Protocol for the Determination of Fluoxetine and Paroxetine Through Binary Complex Formation with Eosin Y. Analytical Chemistry Letters, 2016, 6, 508-517.	1.0	9
86	Highly sensitive spectrofluorimetric method for determination of doxazosin through derivatization with fluorescamine; Application to content uniformity testing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 55-60.	3.9	23
87	New valid spectrofluorimetric method for determination of selected cephalosporins in different pharmaceutical formulations using safranin as fluorophore. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 655-660.	3.9	12
88	Nano-level detection of certain beta-blockers based on surface plasmon resonance band of silver nanoparticles; Application to content uniformity test. Asian Journal of Pharmaceutical Analysis, 2016, 6, 193.	1.5	4
89	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. RSC Advances, 2015, 5, 27735-27742.	3.6	24
90	Enhancement of the sensitivity of valacyclovir and acyclovir for their spectrofluorimetric determination in human plasma. RSC Advances, 2015, 5, 78920-78926.	3.6	22

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91	Validated spectrofluorimetric method for determination of selected aminoglycosides. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 472-478.	3.9	42
92	Simultaneous determination of paracetamol, caffeine and codeine in tablets and human plasma by micellar liquid chromatography. European Journal of Chemistry, 2015, 6, 468-474.	0.6	10
93	Chiral separation of perindopril erbumine enantiomers using high performance liquid chromatography and capillary electrophoresis. Analytical Methods, 2014, 6, 825-830.	2.7	10
94	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
95	Spectrofluorimetric determination of certain antidepressant drugs in human plasma. Journal of Analytical Science and Technology, 2013, 4, .	2.1	7
96	A Novel Spectrophotometric Method for Determination of Five 1,4-Dihydropyridine Drugs in Their Tablets and Capsules Using Vanillin Reagent. American Journal of Analytical Chemistry, 2013, 04, 148-157.	0.9	7
97	Spectrophotometric Method for Determination of Five 1,4-Dihydropyridine Drugs Using <i>N</i> -Bromosuccinimide and Indigo Carmine Dye. International Journal of Spectroscopy, 2013, 2013, 1-7.	1.6	4