

# Sayed M Derayea

## List of Publications by Year in descending order

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97  
papers

1,073  
citations

489802

18  
h-index

721071

23  
g-index

97  
all docs

97  
docs citations

97  
times ranked

563  
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.	2.0	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.	0.7	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.	2.0	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.	1.2	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.	1.7	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.	2.0	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.	1.5	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.	1.7	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.	1.5	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.	1.5	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.	1.3	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.	1.5	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.	2.0	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.	1.5	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.	1.1	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.	0.7	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.	0.7	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.	0.8	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. <i>Current Pharmaceutical Design</i> , 2021, 27, 2415-2424.	0.9	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. <i>Luminescence</i> , 2021, 36, 1977-1984.	1.5	5
21	Two facile approaches based on association complex with erythrosine-B for nano-level analysis of duloxetine: application to content uniformity. <i>Royal Society Open Science</i> , 2021, 8, 210922.	1.1	9
22	Orthophthaldehyde as a fluorescent probe for the feasible and sensitive assay of heptaminol: application to dosage forms and real human plasma. <i>Luminescence</i> , 2021, , .	1.5	4
23	Novel Potentiometric Sensor for the Selective Determination of Cefotaxime Sodium and Its Application to Pharmaceutical Analysis. <i>IEEE Sensors Journal</i> , 2020, 20, 3415-3422.	2.4	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. <i>Microchemical Journal</i> , 2020, 152, 104372.	2.3	9
25	Microenvironment improvement protocol for the sensitive spectrofluorimetric determination of an hepatitis C virus antiviral (Simeprevir): application to human plasma. <i>Luminescence</i> , 2020, 35, 393-399.	1.5	1
26	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.	1.7	5
27	A new approach based on isoindole formation reaction for sensitive fluorimetric assay of milnacipran in tablets and biological fluids (plasma/urine). <i>RSC Advances</i> , 2020, 10, 38884-38889.	1.7	9
28	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.	1.3	3
29	Micelle sensitized synchronous spectrofluorimetric approaches for the simultaneous determination of simeprevir and ledipasvir: Application to pharmaceutical formulations and human plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118471.	2.0	9
30	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.	2.0	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. <i>RSC Advances</i> , 2020, 10, 21100-21107.	1.7	3
32	Use of acetylacetone for nano-level assay of fluvoxamine maleate in pure form and pharmaceutical formulation. <i>Luminescence</i> , 2020, 35, 1360-1365.	1.5	8
33	A review on the use of fluorecamine as versatile and convenient analytical probe. <i>Microchemical Journal</i> , 2020, 156, 104835.	2.3	20
34	Impact of single nucleotide polymorphisms (R132Q and W120R) on the binding affinity and metabolic activity of CYP2C19 toward some therapeutically important substrates. <i>Xenobiotica</i> , 2020, 50, 1510-1519.	0.5	2
35	Spectrofluorometric determination of alogliptin an antidiabetic drug in pure and tablet form using fluorecamine, a fluorogenic agent: application to content uniformity test. <i>Luminescence</i> , 2020, 35, 1028-1035.	1.5	4
36	Square-wave Adsorptive Anodic Stripping Voltammetric Determination of Antidiabetic Drug Linagliptin in Pharmaceutical Formulations and Biological Fluids Using a Pencil Graphite Electrode. <i>Analytical Sciences</i> , 2020, 36, 1031-1038.	0.8	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.	2.0	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.	1.5	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.	2.0	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.	1.5	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.	2.0	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.	1.5	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.	2.0	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.	2.0	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.	1.5	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.	0.3	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.	2.3	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.	2.0	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.	0.6	5
50	Isoindole based fluorophore for the sensitive fluorimetric determination of isobutyl gamma aminobutyric acid. <i>Microchemical Journal</i> , 2019, 150, 104143.	2.3	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.	2.3	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.	2.3	13
53	Employ fourier transform infrared 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.	1.2	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.	2.3	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.	1.7	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.	1.7	15
57	Xanthene based spectroscopic probe for the analysis of HCV antiviral, daclatasvir dihydrochloride, through feasible complexation reaction. Microchemical Journal, 2019, 145, 672-675.	2.3	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.	2.0	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.	2.0	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.	1.7	24
61	Analysis of quetiapine in human plasma using fluorescence spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 196-201.	2.0	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.	0.7	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.	1.7	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.	1.1	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.	2.0	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.	2.0	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.	2.9	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.	2.3	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.	1.5	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.	1.0	11
71	Benzofurazan-based fluorophore for the selective determination of flupentixol dihydrochloride: Application to content uniformity testing. Luminescence, 2018, 33, 1026-1032.	1.5	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.	2.0	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. <i>RSC Advances</i> , 2018, 8, 22154-22160.	1.7	12
74	Application of a xanthene dye, eosin Y, as spectroscopic probe in chemical and pharmaceutical analysis; a review. <i>Reviews in Analytical Chemistry</i> , 2018, 37, .	1.5	33
75	Development of spectrofluorimetric method for determination of certain antiepileptic drugs through condensation with ninhydrin and phenyl acetaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 48-54.	2.0	12
76	Selectivity Improvement for Spectrofluorimetric Determination of Oseltamivir Phosphate in Human Plasma and in the Presence of Its Degradation Product. <i>Journal of Fluorescence</i> , 2017, 27, 1323-1330.	1.3	16
77	Spectroscopic Analysis and Antibacterial Evaluation of Certain Third Generation Cephalosporins Through Metal Complexation. <i>Analytical Chemistry Letters</i> , 2017, 7, 445-457.	0.4	1
78	Selective spectrofluorimetric method for determination of Lisinopril in pharmaceutical preparations and in presence of hydrochlorothiazide: Application to content uniformity testing. <i>Luminescence</i> , 2017, 32, 1482-1487.	1.5	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. <i>Journal of Fluorescence</i> , 2017, 27, 473-482.	1.3	2
80	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.	2.3	6
81	Solid-State FTIR Spectroscopic Study of Two Binary Mixtures: Cefepime-Metronidazole and Cefoperazone-Sulbactam. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-6.	0.6	9
82	A Validated Enantioselective HPLC Method for Assay of S-Amlodipine Using Crown Ether as a Chiral Stationary Phase. <i>Current Analytical Chemistry</i> , 2017, 13, 117-123.	0.6	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. <i>Open Chemistry</i> , 2016, 14, 258-266.	1.0	25
84	Specific and highly sensitive spectrofluorimetric method for determination of febuxostat in its tablets and real human plasma. Application to stability studies. <i>RSC Advances</i> , 2016, 6, 73432-73439.	1.7	16
85	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.	0.4	9
86	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.	2.0	23
87	New valid spectrofluorimetric method for determination of selected cephalosporins in different pharmaceutical formulations using safranin as fluorophore. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 655-660.	2.0	12
88	Nano-level detection of certain beta-blockers based on surface plasmon resonance band of silver nanoparticles; Application to content uniformity test. <i>Asian Journal of Pharmaceutical Analysis</i> , 2016, 6, 193.	0.1	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. <i>RSC Advances</i> , 2015, 5, 27735-27742.	1.7	24
90	Enhancement of the sensitivity of valacyclovir and acyclovir for their spectrofluorimetric determination in human plasma. <i>RSC Advances</i> , 2015, 5, 78920-78926.	1.7	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.	2.0	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.	0.3	10
93	Chiral separation of perindopril erbumine enantiomers using high performance liquid chromatography and capillary electrophoresis. Analytical Methods, 2014, 6, 825-830.	1.3	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.	1.7	11
95	Spectrofluorimetric determination of certain antidepressant drugs in human plasma. Journal of Analytical Science and Technology, 2013, 4, .	1.0	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.	0.3	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.	1.4	4