Fakhreldin O Suliman

List of Publications by Year
in descending order

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99 papers	1,795 citations	257450 24 h-index	361022 35 g-index
99 all docs	99 docs citations	99 times ranked	1889 citing authors

#	Article	IF	Citations
1	An Investigation into Interactions between 1â€Butylâ€3â€methylâ€imidazolium Tetrafluoroborate Guest and Pillar[5]arene Hosts: An Experimental and Molecular Dynamics Approach. ChemistrySelect, 2021, 6, 82-89.	1.5	3
2	Capillary electrophoresis and molecular modeling of the chiral separation of aromatic amino acids using Î±/Î²â€cyclodextrin and 18â€crownâ€6. Electrophoresis, 2021, 42, 1800-1809.	2.4	10
3	Tuning a pyrazolineâ€based fluorogenic reagent, 3â€naphthylâ€1â€(4â€trifluoromethyl)â€5â€(4â€carboxy) Tj ETQq1 1 0.784314 rgBT RPâ€HPLC with fluorescence detection. Biomedical Chromatography, 2021, 35, e5134.	1.7	0
4	Experimental and theoretical insights into the enhanced intramolecular charge transfer fluorescence of a 3(2H)-furanone based d-Ï€-A compounds tailored with dialkyl chains. Journal of Molecular Structure, 2021, 1239, 130500.	3.6	2
5	Inclusion complexes of selected amines with pillar[5]arenes: experimental and molecular dynamics study. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2020, 96, 297-306.	1.6	2
6	Photophysical and theoretical studies on the solvatochromic effects and dipole moments evaluation of substituted 1-phenyl-3-naphthyl-5- (4-ethyl benzoate)-2-pyrazoline. Journal of Molecular Liquids, 2020, 307, 112967.	4.9	18
7	Investigating the impact of metal ions and 3D printed droplet microfluidics chip geometry on the luminolâ€potassium periodate chemiluminescence system for estimating total phenolic content in olive oil. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 221, 117182.	3.9	10
8	Investigation of inclusion complexes of ametryne and atrazine with cucurbit[n]urils (nâ€‰=â€‰6â€“8) using experimental and theoretical techniques. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 94, 31-43.	1.6	5
9	Atrazine and ametryne inclusion complexes with 2-hydroxypropyl-Î²/Î³-cyclodextrin: Spectroscopic studies and molecular dynamics simulation. Journal of Molecular Structure, 2019, 1179, 161-170.	3.6	18
10	Deciphering ephedrine inclusion complexes with Î²-cyclodextrin, 18-crown-6 and cucurbit[7]uril using spectral and molecular modeling methods. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 93, 157-172.	1.6	4
11	Terbium sensitized luminescence for the determination of fexofenadine in pharmaceutical formulations. Arabian Journal of Chemistry, 2019, 12, 2457-2463.	4.9	11
12	Experimental and theoretical study of the inclusion complexes of epinephrine with Î²-cyclodextrin, 18-crown-6 and cucurbit[7]uril. New Journal of Chemistry, 2018, 42, 5785-5797.	2.8	17
13	The binding interaction of imazapyr with cucurbit[n]uril (n = 6â€“8): Combined experimental and molecular modeling study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 194, 67-75.	3.9	10
14	Experimental and molecular modeling investigations of inclusion complexes of imazapyr with 2-hydroxypropyl(Î²/Î³) cyclodextrin. Journal of Molecular Liquids, 2018, 262, 504-513.	4.9	28
15	Enhancing the chemiluminescence intensity of a KMnO₄ formaldehyde system for estimating the total phenolic content in honey samples using a novel nanodroplet mixing approach in a microfluidics platform. Luminescence, 2018, 33, 863-870.	2.9	9
16	Spectral and theoretical study on complexation of sulfamethoxazole with Î²- and HPÎ²-cyclodextrins in binary and ternary systems. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 392-401.	3.9	16
17	Characterization and application of nanocolloidal Mn(IV) in a chemiluminescence system for estimating the total phenolic content in pomegranate juices using a nanodroplet microfluidics platform. Sensors and Actuators B: Chemical, 2018, 277, 517-525.	7.8	11
18	Inclusion complexes of pantoprazole with Î²-cyclodextrin and cucurbit[7]uril: experimental and molecular modeling study. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2018, 91, 179-188.	1.6	4

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19	Inclusion complexes of norepinephrine with Î²-cyclodextrin, 18-crown-6 and cucurbit[7]uril: experimental and molecular dynamics study. RSC Advances, 2017, 7, 9888-9901.	3.6	33
20	Microfluidic photoinduced chemical oxidation for Ru(bpy) 3 3+ chemiluminescence â€" A comprehensive experimental comparison with on-chip direct chemical oxidation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 247-259.	3.9	1
21	Unveiling a versatile heterocycle: pyrazoline â€" a review. RSC Advances, 2017, 7, 46999-47016.	3.6	91
22	Determination of Common Adulterants in Herbal Medicine and Food Samples using Core-shell Column Coupled to Tandem Mass Spectrometry. Journal of Chromatographic Science, 2017, 55, 232-242.	1.4	16
23	Influence of anchoring of a pyrazoline dye 3-naphthyl-1-phenyl-5 (4-amino phenyl)-2-pyrazoline (NPAP) in manipulating the electronic and chemical properties of a graphene oxide via amidation: Synthesis, characterization and photophysics. Journal of Luminescence, 2017, 192, 527-533.	3.1	7
24	A comprehensive evaluation of three microfluidic chemiluminescence methods for the determination of the total phenolic contents in fruit juices. Food Chemistry, 2017, 214, 670-677.	8.2	25
25	Tuning the constrained photophysics of a pyrazoline dye 3-naphthyl-1-phenyl-5-(4-carboxyphenyl)-2-pyrazoline inside the cyclodextrin nanocavities: A detailed insight via experimental and theoretical approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 383-389.	3.9	8
26	Synthesis and spectroscopic study of 2,7-diethylamino-2-oxo-2H-chromen-3-yl benzothiazole-6-sulfonyl chlorides and its derivatives. Arabian Journal of Chemistry, 2017, 10, S114-S120.	4.9	3
27	3-Naphthyl-1-phenyl-5-(4-carboxyphenyl)-2-pyrazoline â€" a pyrazoline based heterocyclic dye as a fluorescent label for biomolecules containing an amino group and its evaluation using HPLC. Analytical Methods, 2016, 8, 2729-2736.	2.7	8
28	An enhanced cerium(IV)â€"rhodamine 6G chemiluminescence system using guestâ€"host interactions in a lab-on-a-chip platform for estimating the total phenolic content in food samples. Talanta, 2016, 150, 399-406.	5.5	23
29	Determination of the pseudoephedrine content in pharmaceutical formulations and in biological fluids using a microbore HPLC system interfaced to a microfluidic chemiluminescence detector. Luminescence, 2015, 30, 1242-1249.	2.9	7
30	Study on the separation of ofloxacin enantiomers by hydroxyl-propyl-Î²-cyclodextrin as a chiral selector in capillary electrophoresis: a computational approach. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 83, 119-129.	1.6	20
31	Supramolecular interaction of gemifloxacin and hydroxyl propyl Î²-cyclodextrin spectroscopic characterization, molecular modeling and analytical application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 360-367.	3.9	12
32	Microfluidic Precolumn Derivatization of Environmental Phenols with Coumarin-6-Sulfonyl Chloride and HPLC Separation. Journal of Chromatographic Science, 2015, 53, 1379-1385.	1.4	3
33	A solid-state electrochemiluminescence composite modified electrode based on Ru(bpy)32+/PAHNSA: Characterization and pharmaceutical applications. Electrochimica Acta, 2015, 176, 179-187.	5.2	11
34	3(2H)-Furanone as a promising scaffold for the synthesis of novel fluorescent organic dyes: an experimental and theoretical investigation. New Journal of Chemistry, 2015, 39, 6667-6676.	2.8	12
35	Synthesis, spectroscopic characterization and photophysics of a novel environmentally sensitive dye 3-naphthyl-1-phenyl-5-(4-carboxyphenyl)-2-pyrazoline. Journal of Luminescence, 2015, 159, 9-16.	3.1	26
36	Study on the spectral and inclusion properties of a sensitive dye, 3-naphthyl-1-phenyl-5-(5-fluoro-2-nitrophenyl)-2-pyrazoline, in solvents and Î²-cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 661-671.	3.9	25

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37	A labâ€onâ€aâ€chip device for analysis of amlodipine in biological fluids using peroxyoxalate chemiluminescence system. Luminescence, 2014, 29, 1148-1153.	2.9	1
38	Parallel Microdevice for High Throughput Analysis of Levofloxacin Using tris (2,2â€²-Bipyridyl) Ruthenium (II) and Peroxydisulfate Chemiluminescence System. Journal of AOAC INTERNATIONAL, 2014, 97, 1056-1060.	1.5	4
39	Determination of amlodipine using terbiumâ€sensitized luminescence in the presence of europium(III) as a coâ€luminescence reagent. Luminescence, 2014, 29, 657-662.	2.9	6
40	Synthesis, structure and tunable white-light emission of dinuclear Eu(III) Schiff base complex. Dyes and Pigments, 2014, 104, 83-88.	3.7	18
41	Synthesis, characterization and DFT calculation of 4-fluorophenyl substituted tris(8-hydroxyquinoline)aluminum(III) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 66-72.	3.9	20
42	Synthesis, characterization and electronic effects investigations ofÂnew 5,7-disubstituted tris(8-quinolinolate)Al(III) complexes. Dyes and Pigments, 2014, 103, 138-144.	3.7	15
43	Photoinduced oxidation of a tris(2,2'â€bipyridyl)ruthenium(II)â€“peroxodisulfate chemiluminescence system for the analysis of mebeverine HCl pharmaceutical formulations and biological fluids using a twoâ€chip device. Luminescence, 2014, 29, 275-283.	2.9	8
44	A novel microfluidic device for estimating the total phenolic/antioxidant level in honey samples using a formaldehyde/potassium permanganate chemiluminescence system. Analytical Methods, 2014, 6, 7243-7249.	2.7	19
45	Size-dependent conductivity dispersion of gold nanoparticle colloids in a microchip: contactless measurements. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	9
46	Combination of capillary micellar liquid chromatography with on-chip microfluidic chemiluminescence detection for direct analysis of buspirone in human plasma. Talanta, 2014, 127, 230-238.	5.5	11
47	Highâ€throughput method for the analysis of venlafaxine in pharmaceutical formulations and biological fluids, using a tris(2,2â€²â€bipyridyl) ruthenium(II)â€“peroxydisulphate chemiluminescence system in a twoâ€chip device. Luminescence, 2013, 28, 44-49.	2.9	8
48	A lab on a chip device for the determination of tranexamic acid using a peroxyoxalate chemiluminescence system. Analytical Methods, 2013, 5, 6205.	2.7	5
49	HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY DETERMINATION OF ANILINES WITH FLUORESCENT DETECTION AND PRE-COLUMN DERIVATIZATION. Instrumentation Science and Technology, 2013, 41, 48-59.	1.8	4
50	New spectrofluorimetric method for determination of cephalosporins in pharmaceutical formulations. Luminescence, 2013, 28, 734-741.	2.9	6
51	Towards an ideal method for analysis of lisinopril in pharmaceutical formulations using a tris(2,2â€²-bipyridyl)-ruthenium(ii)-peroxydisulfate chemiluminescence system in a two chip device. Analytical Methods, 2012, 4, 773.	2.7	11
52	Synthesis, characterization and DFT investigation of aluminum complexes of aryl-substituted-8-hydroxyquinoline. Dyes and Pigments, 2012, 92, 1153-1159.	3.7	14
53	Enantiodifferentiation of chiral baclofen by Î²-cyclodextrin using capillary electrophoresis: A molecular modeling approach. Journal of Molecular Structure, 2012, 1019, 43-49.	3.6	33
54	Determination of Meloxicam Using Europium Sensitized Luminescence in the Presence of Co-Luminescence Reagents. Journal of Fluorescence, 2012, 22, 467-474.	2.5	10

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55	The Application of 7-Chloro-4-nitrobenzoxadiazole (NBD-Cl) for the Analysis of Pharmaceutical-Bearing Amine Group Using Spectrophotometry and Spectrofluorimetry Techniques. Applied Spectroscopy Reviews, 2011, 46, 222-241.	6.7	27
56	Fast analysis of flavonoids in apple juice on new generation halo column by SPE-HPLC. Analytical Methods, 2011, 3, 2836.	2.7	13
57	High throughput method for the analysis of cetrizine hydrochloride in pharmaceutical formulations and in biological fluids using a tris(2,2â€²-bipyridyl)ruthenium(II)â€“peroxydisulphate chemiluminescence system in a two-chip device. Talanta, 2011, 85, 906-912.	5.5	21
58	Analysis of phenylephrine hydrochloride in pharmaceutical formulations and biological fluids using (2,2â€²-bipyridyl)ruthenium(ii)-peroxydisulphate chemiluminescence system in a two-chip microdevice. Analytical Methods, 2011, 3, 2585.	2.7	14
59	Liquid chromatographyâ€“tandem mass spectroscopic method for the determination of zerumbone in human plasma and its application to pharmacokinetics. Journal of Mass Spectrometry, 2011, 46, 772-781.	1.6	9
60	Spectrofluorimetric determination of aluminium using 2â€hydroxyâ€1â€naphthylideneâ€(8â€aminoquinoline). Luminescence, 2011, 26, 462-470.	2.9	21
61	Analysis of fexofenadine in pharmaceutical formulations using tris(1,10â€phenanthroline)â€“ruthenium(II) peroxydisulphate chemiluminescence system in a multichip device. Luminescence, 2011, 26, 762-767.	2.9	18
62	Computational modeling of capillary electrophoretic behavior of primary amines using dual system of 18-crown-6 and Î²-cyclodextrin. Journal of Chromatography A, 2011, 1218, 5344-5351.	3.7	43
63	Characterization of the inclusion complex of zerumbone with hydroxypropyl-Î²-cyclodextrin. Carbohydrate Polymers, 2011, 83, 1707-1714.	10.2	105
64	Capillary electrophoretic separation and computational modeling of inclusion complexes of Î²â€cyclodextrin and 18â€crownâ€6 ether with primaquine and quinocide. Biomedical Chromatography, 2010, 24, 393-398.	1.7	8
65	Cyanide from gold mining and its effect on groundwater in arid areas, Yanqul mine of Oman. Environmental Earth Sciences, 2010, 60, 885-892.	2.7	23
66	Enhancement of on chip chemiluminescence signal intensity of tris(1,10-phenanthroline)-ruthenium(II) peroxydisulphate system for analysis of chlorpheniramine maleate in pharmaceutical formulations. Talanta, 2010, 82, 1999-2002.	5.5	34
67	Chemiluminescence determination of chlorpheniramine using tris(1,10â€phenanthroline)â€“ruthenium(II) peroxydisulphate system and sequential injection analysis. Luminescence, 2009, 24, 2-9.	2.9	25
68	Terbium Sensitized Luminescence for the Determination of Ketoprofen in Pharmaceutical Formulations. Journal of Fluorescence, 2009, 19, 249-255.	2.5	23
69	Determination of aminoglutethimide enantiomers in pharmaceutical formulations by capillary electrophoresis using methylated-Î²-cyclodextrin as a chiral selector and computational calculation for their respective inclusion complexes. Talanta, 2009, 77, 1388-1393.	5.5	36
70	A Spectrofluorimetric Sequential Injection Method for the Determination of Penicillamine Using Fluorescamine in the Presence of Î²-cyclodextrins. Journal of Fluorescence, 2008, 18, 1131-1138.	2.5	31
71	Spectrofluorimetric determination of zinc using 8-hydroxy-7-(4-sulfo-1-naphthylazo)-5-quinoline sulfonic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 676-681.	3.9	15
72	Enhancement of the chemiluminescence of penicillamine and ephedrine after derivatization with aldehydes using tris(bipyridyl)ruthenium(II) peroxydisulfate system and its analytical application. Talanta, 2008, 74, 1256-1264.	5.5	21

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73	Determination of ibuprofen in pharmaceutical formulations using time-resolved terbium-sensitized luminescence. Luminescence, 2007, 22, 294-301.	2.9	28
74	Determination of piroxicam in pharmaceutical formulations and urine samples using europium-sensitized luminescence. Journal of Luminescence, 2007, 127, 291-296.	3.1	22
75	A sequential injection method for the fluorimetric determination of aluminum in drinking water using 8-hydroxy-7-(4-sulfo-1-naphthylazo)-5-quinoline sulfonic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1174-1179.	3.9	15
76	Fluorimetric Determination of Aluminium using Sequential Injection Analysis (SIA): State of Our Art and Future Developments. Instrumentation Science and Technology, 2006, 34, 619-633.	1.8	25
77	Analysis of phenols in water by high-performance liquid chromatography using coumarin-6-sulfonyl chloride as a fluorogenic precolumn label. Journal of Chromatography A, 2006, 1101, 179-184.	3.7	54
78	Composition and antimicrobial activity of the essential oil ofPluchea arabica from Oman. Flavour and Fragrance Journal, 2006, 21, 469-471.	2.6	7
79	A sequential injection method for the determination of piroxicam in pharmaceutical formulations using europium sensitized fluorescence. Talanta, 2004, 64, 1343-1350.	5.5	37
80	A sequential injection method for the determination of aluminum in drinking water using fluorescence enhancement of the aluminumâ€“morin complex in micellar media. Microchemical Journal, 2003, 74, 173-179.	4.5	54
81	Kinetic Studies on the Inhibition of GABA-T by Î³-Vinyl GABA and Taurine. Journal of Enzyme Inhibition and Medicinal Chemistry, 2003, 18, 297-301.	5.2	12
82	A sequential injection spectrophotometric method for the determination of penicillamine in pharmaceutical products by complexation with iron(III) in acidic media. Talanta, 2003, 61, 221-231.	5.5	46
83	Micellar Enhanced Ultrafiltration to Remove Traces of Petroleum Oil from Oil Field Brine: Use of Pluronic Triblock Copolymer Micelles. Journal of Dispersion Science and Technology, 2003, 24, 203-212.	2.4	2
84	A Sequential Injection Method for the Determination of Tween-80 in Natural Water Samples Using a Fluorescence Enhancement of the Dye Eosin-B. Analytical Sciences, 2003, 19, 737-742.	1.6	10
85	Off-line optimization of the separation of 2,4-dinitrophenylhydrazones by gas chromatography using chemometric techniques. Talanta, 2002, 56, 175-183.	5.5	9
86	Identification of an artifact peak co-eluting with formaldehyde-2,4-dinitrophenylhydrazone derivative by GC-MS and chemometrics. Microchemical Journal, 2002, 72, 27-33.	4.5	7
87	Fluorescence Enhancement of Coumarin-6-sulfonyl Chloride Amino Acid Derivatives in Cyclodextrin Media.. Analytical Sciences, 2001, 17, 539-543.	1.6	21
88	The determination of carbonyl compounds in air using a robotic sampling preparation system integrated to a gas chromatograph with a nitrogenâ€“phosphorus detector. Journal of Environmental Monitoring, 2000, 2, 470-475.	2.1	4
89	Ion-association method for the spectrophotometric determination of the antitussive drug noscapine. Talanta, 1997, 44, 53-60.	5.5	10
90	Sequential Injection Method for the Determination of Oxprenolol in Pharmaceutical Products Using Chemometric Methods of Optimization. Microchemical Journal, 1997, 57, 320-327.	4.5	10

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91	Sequential injection technique employed for stoichiometric studies, optimization and quantitative determination of some fluoroquinolone antibiotics complexed with iron(III) in sulfuric acid media. Talanta, 1996, 43, 559-568.	5.5	44
92	Use of a sequential injection technique for mechanistic studies and kinetic determination of bromazepam complexed with iron(II) in hydrochloric acid. Analyst, The, 1996, 121, 617.	3.5	13
93	Use of the sequential injection technique to determine the concentrations and stoichiometries of trimeprazine and perphenazine complexed with palladium(II) in hydrochloric acid. Analyst, The, 1995, 120, 561.	3.5	17
94	Flow injection colorimetric method for the assay of vitamin C in drug formulations using tris,1-10-phenanthrolineâ€"iron(III) complex as an oxidant in sulfuric acid media. Talanta, 1994, 41, 125-130.	5.5	46
95	Chemometric optimization and flow injection method for the determination of norfloxacin in drug formulations. Analyst, The, 1993, 118, 573.	3.5	22
96	Flow injection method for the assay of the anti-arrhythmic procainamide HCl in drug formulations utilizing statistical optimization techniques. Talanta, 1993, 40, 623-627.	5.5	3
97	Application of Super Modified Simplex Optimization to the Flow Injection Spectrophotometric Determination of Promethazine Hydrochloride in Drug Formulations.. Analytical Sciences, 1992, 8, 841-843.	1.6	6
98	Flow injection spectrophotometric determination of the antibiotic ciprofloxacin in drug formulations. Analyst, The, 1992, 117, 1523.	3.5	41
99	Simplex-optimized and flow injection spectrophotometric assay of tetracycline antibiotics in drug formulations. Analyst, The, 1992, 117, 1179.	3.5	32