Fakhreldin O Suliman

List of Publications by Year
in descending order

99 papers	1,795 citations	257101 24 h-index	360668 35 g-index
99 all docs	99 docs citations	99 times ranked	1889 citing authors

#	Article	IF	Citations
1	Characterization of the inclusion complex of zerumbone with hydroxypropyl-Î²-cyclodextrin. Carbohydrate Polymers, 2011, 83, 1707-1714.	5.1	105
2	Unveiling a versatile heterocycle: pyrazoline â€“ a review. RSC Advances, 2017, 7, 46999-47016.	1.7	91
3	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.	2.3	54
4	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.	1.8	54
5	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.	2.9	46
6	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.	2.9	46
7	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.	2.9	44
8	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.	1.8	43
9	Flow injection spectrophotometric determination of the antibiotic ciprofloxacin in drug formulations. Analyst, The, 1992, 117, 1523.	1.7	41
10	A sequential injection method for the determination of piroxicam in pharmaceutical formulations using europium sensitized fluorescence. Talanta, 2004, 64, 1343-1350.	2.9	37
11	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.	2.9	36
12	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.	2.9	34
13	Enantiodifferentiation of chiral baclofen by Î²-cyclodextrin using capillary electrophoresis: A molecular modeling approach. Journal of Molecular Structure, 2012, 1019, 43-49.	1.8	33
14	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.	1.7	33
15	Simplex-optimized and flow injection spectrophotometric assay of tetracycline antibiotics in drug formulations. Analyst, The, 1992, 117, 1179.	1.7	32
16	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.	1.3	31
17	Determination of ibuprofen in pharmaceutical formulations using time-resolved terbium-sensitized luminescence. Luminescence, 2007, 22, 294-301.	1.5	28
18	Experimental and molecular modeling investigations of inclusion complexes of imazapyr with 2-hydroxypropyl(Î²/Î³) cyclodextrin. Journal of Molecular Liquids, 2018, 262, 504-513.	2.3	28

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19	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.	3.4	27
20	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.	1.5	26
21	Fluorimetric Determination of Aluminium using Sequential Injection Analysis (SIA): State of Our Art and Future Developments. Instrumentation Science and Technology, 2006, 34, 619-633.	0.9	25
22	Chemiluminescence determination of chlorpheniramine using tris(1,10â€•phenanthroline)â€“ruthenium(II) peroxydisulphate system and sequential injection analysis. Luminescence, 2009, 24, 2-9.	1.5	25
23	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.	2.0	25
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.	4.2	25
25	Terbium Sensitized Luminescence for the Determination of Ketoprofen in Pharmaceutical Formulations. Journal of Fluorescence, 2009, 19, 249-255.	1.3	23
26	Cyanide from gold mining and its effect on groundwater in arid areas, Yanqul mine of Oman. Environmental Earth Sciences, 2010, 60, 885-892.	1.3	23
27	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.	2.9	23
28	Chemometric optimization and flow injection method for the determination of norfloxacin in drug formulations. Analyst, The, 1993, 118, 573.	1.7	22
29	Determination of piroxicam in pharmaceutical formulations and urine samples using europium-sensitized luminescence. Journal of Luminescence, 2007, 127, 291-296.	1.5	22
30	Fluorescence Enhancement of Coumarin-6-sulfonyl Chloride Amino Acid Derivatives in Cyclodextrin Media.. Analytical Sciences, 2001, 17, 539-543.	0.8	21
31	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.	2.9	21
32	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.	2.9	21
33	Spectrofluorimetric determination of aluminium using 2â€•hydroxyâ€•1â€•naphthylideneâ€•8â€•aminoquinoline). Luminescence, 2011, 26, 462-470.	1.5	21
34	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.	2.0	20
35	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.	0.9	20
36	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.	1.3	19

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37	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.	1.5	18
38	Synthesis, structure and tunable white-light emission of dinuclear Eu(III) Schiff base complex. Dyes and Pigments, 2014, 104, 83-88.	2.0	18
39	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.	1.8	18
40	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.	2.3	18
41	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.	1.7	17
42	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.	1.4	17
43	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.	0.7	16
44	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.	2.0	16
45	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.	2.0	15
46	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.	2.0	15
47	Synthesis, characterization and electronic effects investigations ofÂnew 5,7-disubstituted tris(8-quinolinolate)Al(III) complexes. Dyes and Pigments, 2014, 103, 138-144.	2.0	15
48	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.	1.3	14
49	Synthesis, characterization and DFT investigation of aluminum complexes of aryl-substituted-8-hydroxyquinoline. Dyes and Pigments, 2012, 92, 1153-1159.	2.0	14
50	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.	1.7	13
51	Fast analysis of flavonoids in apple juice on new generation halo column by SPE-HPLC. Analytical Methods, 2011, 3, 2836.	1.3	13
52	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.	2.5	12
53	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.	2.0	12
54	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.	1.4	12

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55	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.	1.3	11
56	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.	2.9	11
57	A solid-state electrochemiluminescence composite modified electrode based on Ru(bpy)32+/PAHNSA: Characterization and pharmaceutical applications. Electrochimica Acta, 2015, 176, 179-187.	2.6	11
58	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.	4.0	11
59	Terbium sensitized luminescence for the determination of fexofenadine in pharmaceutical formulations. Arabian Journal of Chemistry, 2019, 12, 2457-2463.	2.3	11
60	Ion-association method for the spectrophotometric determination of the antitussive drug noscapine. Talanta, 1997, 44, 53-60.	2.9	10
61	Sequential Injection Method for the Determination of Oxprenolol in Pharmaceutical Products Using Chemometric Methods of Optimization. Microchemical Journal, 1997, 57, 320-327.	2.3	10
62	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.	0.8	10
63	Determination of Meloxicam Using Europium Sensitized Luminescence in the Presence of Co-Luminescence Reagents. Journal of Fluorescence, 2012, 22, 467-474.	1.3	10
64	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.	2.0	10
65	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.	2.0	10
66	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.	1.3	10
67	Off-line optimization of the separation of 2,4-dinitrophenylhydrazones by gas chromatography using chemometric techniques. Talanta, 2002, 56, 175-183.	2.9	9
68	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.	0.7	9
69	Size-dependent conductivity dispersion of gold nanoparticle colloids in a microchip: contactless measurements. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	9
70	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.	1.5	9
71	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.	0.8	8
72	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.	1.5	8

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73	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.	1.5	8
74	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.	1.3	8
75	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.	2.0	8
76	Identification of an artifact peak co-eluting with formaldehyde-2,4-dinitrophenylhydrazone derivative by GC-MS and chemometrics. Microchemical Journal, 2002, 72, 27-33.	2.3	7
77	Composition and antimicrobial activity of the essential oil ofPluchea arabica from Oman. Flavour and Fragrance Journal, 2006, 21, 469-471.	1.2	7
78	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.	1.5	7
79	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.	1.5	7
80	Application of Super Modified Simplex Optimization to the Flow Injection Spectrophotometric Determination of Promethazine Hydrochloride in Drug Formulations.. Analytical Sciences, 1992, 8, 841-843.	0.8	6
81	New spectrofluorimetric method for determination of cephalosporins in pharmaceutical formulations. Luminescence, 2013, 28, 734-741.	1.5	6
82	Determination of amlodipine using terbiumâ€sensitized luminescence in the presence of europium(III) as a coâ€luminescence reagent. Luminescence, 2014, 29, 657-662.	1.5	6
83	A lab on a chip device for the determination of tranexamic acid using a peroxyoxalate chemiluminescence system. Analytical Methods, 2013, 5, 6205.	1.3	5
84	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.	0.9	5
85	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
86	HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY DETERMINATION OF ANILINES WITH FLUORESCENT DETECTION AND PRE-COLUMN DERIVATIZATION. Instrumentation Science and Technology, 2013, 41, 48-59.	0.9	4
87	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.	0.7	4
88	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.	0.9	4
89	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.	0.9	4
90	Flow injection method for the assay of the anti-arrhythmic procainamide HCl in drug formulations utilizing statistical optimization techniques. Talanta, 1993, 40, 623-627.	2.9	3

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91	Microfluidic Precolumn Derivatization of Environmental Phenols with Coumarin-6-Sulfonyl Chloride and HPLC Separation. Journal of Chromatographic Science, 2015, 53, 1379-1385.	0.7	3
92	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.	2.3	3
93	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.	0.7	3
94	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.	1.3	2
95	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.	0.9	2
96	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.	1.8	2
97	A labâ€onâ€aâ€chip device for analysis of amlodipine in biological fluids using peroxyoxalate chemiluminescence system. Luminescence, 2014, 29, 1148-1153.	1.5	1
98	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.	2.0	1
99	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.	0.8	0