

# Fakhreldin O Suliman

## List of Publications by Year in descending order

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1889  
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#	ARTICLE	IF	CITATIONS
1	Characterization of the inclusion complex of zerumbone with hydroxypropyl- $\beta$ -cyclodextrin. Carbohydrate Polymers, 2011, 83, 1707-1714.	10.2	105
2	Unveiling a versatile heterocycle: pyrazoline – a review. RSC Advances, 2017, 7, 46999-47016.	3.6	91
3	A sequential injection method for the determination of aluminum in drinking water using fluorescence enhancement of the aluminum–morin complex in micellar media. Microchemical Journal, 2003, 74, 173-179.	4.5	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.	3.7	54
5	Flow injection colorimetric method for the assay of vitamin C in drug formulations using tris,1-10-phenanthroline–iron(III) complex as an oxidant in sulfuric acid media. Talanta, 1994, 41, 125-130.	5.5	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.	5.5	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.	5.5	44
8	Computational modeling of capillary electrophoretic behavior of primary amines using dual system of 18-crown-6 and $\beta$ -cyclodextrin. Journal of Chromatography A, 2011, 1218, 5344-5351.	3.7	43
9	Flow injection spectrophotometric determination of the antibiotic ciprofloxacin in drug formulations. Analyst, The, 1992, 117, 1523.	3.5	41
10	A sequential injection method for the determination of piroxicam in pharmaceutical formulations using europium sensitized fluorescence. Talanta, 2004, 64, 1343-1350.	5.5	37
11	Determination of aminogluthethimide enantiomers in pharmaceutical formulations by capillary electrophoresis using methylated- $\beta$ -cyclodextrin as a chiral selector and computational calculation for their respective inclusion complexes. Talanta, 2009, 77, 1388-1393.	5.5	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.	5.5	34
13	Enantiodifferentiation of chiral baclofen by $\beta$ -cyclodextrin using capillary electrophoresis: A molecular modeling approach. Journal of Molecular Structure, 2012, 1019, 43-49.	3.6	33
14	Inclusion complexes of norepinephrine with $\beta$ -cyclodextrin, 18-crown-6 and cucurbit[7]uril: experimental and molecular dynamics study. RSC Advances, 2017, 7, 9888-9901.	3.6	33
15	Simplex-optimized and flow injection spectrophotometric assay of tetracycline antibiotics in drug formulations. Analyst, The, 1992, 117, 1179.	3.5	32
16	A Spectrofluorimetric Sequential Injection Method for the Determination of Penicillamine Using Fluorescamine in the Presence of $\beta$ -cyclodextrins. Journal of Fluorescence, 2008, 18, 1131-1138.	2.5	31
17	Determination of ibuprofen in pharmaceutical formulations using time-resolved terbium-sensitized luminescence. Luminescence, 2007, 22, 294-301.	2.9	28
18	Experimental and molecular modeling investigations of inclusion complexes of imazapyr with 2-hydroxypropyl( $\beta$ / $\gamma$ ) cyclodextrin. Journal of Molecular Liquids, 2018, 262, 504-513.	4.9	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. <i>Applied Spectroscopy Reviews</i> , 2011, 46, 222-241.	6.7	27
20	Synthesis, spectroscopic characterization and photophysics of a novel environmentally sensitive dye 3-naphthyl-1-phenyl-5-(4-carboxyphenyl)-2-pyrazoline. <i>Journal of Luminescence</i> , 2015, 159, 9-16.	3.1	26
21	Fluorimetric Determination of Aluminium using Sequential Injection Analysis (SIA): State of Our Art and Future Developments. <i>Instrumentation Science and Technology</i> , 2006, 34, 619-633.	1.8	25
22	Chemiluminescence determination of chlorpheniramine using tris(1,10-phenanthroline)-ruthenium(II) peroxydisulphate system and sequential injection analysis. <i>Luminescence</i> , 2009, 24, 2-9.	2.9	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 $\beta$ -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 661-671.	3.9	25
24	A comprehensive evaluation of three microfluidic chemiluminescence methods for the determination of the total phenolic contents in fruit juices. <i>Food Chemistry</i> , 2017, 214, 670-677.	8.2	25
25	Terbium Sensitized Luminescence for the Determination of Ketoprofen in Pharmaceutical Formulations. <i>Journal of Fluorescence</i> , 2009, 19, 249-255.	2.5	23
26	Cyanide from gold mining and its effect on groundwater in arid areas, Yanqul mine of Oman. <i>Environmental Earth Sciences</i> , 2010, 60, 885-892.	2.7	23
27	An enhanced cerium(IV)-rhodamine 6G chemiluminescence system using guest-host interactions in a lab-on-a-chip platform for estimating the total phenolic content in food samples. <i>Talanta</i> , 2016, 150, 399-406.	5.5	23
28	Chemometric optimization and flow injection method for the determination of norfloxacin in drug formulations. <i>Analyst</i> , 1993, 118, 573.	3.5	22
29	Determination of piroxicam in pharmaceutical formulations and urine samples using europium-sensitized luminescence. <i>Journal of Luminescence</i> , 2007, 127, 291-296.	3.1	22
30	Fluorescence Enhancement of Coumarin-6-sulfonyl Chloride Amino Acid Derivatives in Cyclodextrin Media.. <i>Analytical Sciences</i> , 2001, 17, 539-543.	1.6	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. <i>Talanta</i> , 2008, 74, 1256-1264.	5.5	21
32	High throughput method for the analysis of cetirizine hydrochloride in pharmaceutical formulations and in biological fluids using a tris(2,2'-bipyridyl)ruthenium(II)-peroxydisulphate chemiluminescence system in a two-chip device. <i>Talanta</i> , 2011, 85, 906-912.	5.5	21
33	Spectrofluorimetric determination of aluminium using 2-hydroxy-1-naphthylidene-8-aminoquinoline). <i>Luminescence</i> , 2011, 26, 462-470.	2.9	21
34	Synthesis, characterization and DFT calculation of 4-fluorophenyl substituted tris(8-hydroxyquinoline)aluminum(III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 66-72.	3.9	20
35	Study on the separation of ofloxacin enantiomers by hydroxyl-propyl- $\beta$ -cyclodextrin as a chiral selector in capillary electrophoresis: a computational approach. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 119-129.	1.6	20
36	A novel microfluidic device for estimating the total phenolic/antioxidant level in honey samples using a formaldehyde/potassium permanganate chemiluminescence system. <i>Analytical Methods</i> , 2014, 6, 7243-7249.	2.7	19

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37	Analysis of fexofenadine in pharmaceutical formulations using tris(1,10-phenanthroline)-ruthenium(II) peroxydisulphate chemiluminescence system in a multichip device. <i>Luminescence</i> , 2011, 26, 762-767.	2.9	18
38	Synthesis, structure and tunable white-light emission of dinuclear Eu(III) Schiff base complex. <i>Dyes and Pigments</i> , 2014, 104, 83-88.	3.7	18
39	Atrazine and ametryne inclusion complexes with 2-hydroxypropyl- $\beta$ -cyclodextrin: Spectroscopic studies and molecular dynamics simulation. <i>Journal of Molecular Structure</i> , 2019, 1179, 161-170.	3.6	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. <i>Journal of Molecular Liquids</i> , 2020, 307, 112967.	4.9	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. <i>Analyst</i> , The, 1995, 120, 561.	3.5	17
42	Experimental and theoretical study of the inclusion complexes of epinephrine with $\beta$ -cyclodextrin, 18-crown-6 and cucurbit[7]uril. <i>New Journal of Chemistry</i> , 2018, 42, 5785-5797.	2.8	17
43	Determination of Common Adulterants in Herbal Medicine and Food Samples using Core-shell Column Coupled to Tandem Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2017, 55, 232-242.	1.4	16
44	Spectral and theoretical study on complexation of sulfamethoxazole with $\beta$ - and HP $\beta$ -cyclodextrins in binary and ternary systems. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 392-401.	3.9	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 1174-1179.	3.9	15
46	Spectrofluorimetric determination of zinc using 8-hydroxy-7-(4-sulfo-1-naphthylazo)-5-quinoline sulfonic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 676-681.	3.9	15
47	Synthesis, characterization and electronic effects investigations of new 5,7-disubstituted tris(8-quinolinolate)Al(III) complexes. <i>Dyes and Pigments</i> , 2014, 103, 138-144.	3.7	15
48	Analysis of phenylephrine hydrochloride in pharmaceutical formulations and biological fluids using (2,2'-bipyridyl)ruthenium(II)-peroxydisulphate chemiluminescence system in a two-chip microdevice. <i>Analytical Methods</i> , 2011, 3, 2585.	2.7	14
49	Synthesis, characterization and DFT investigation of aluminum complexes of aryl-substituted-8-hydroxyquinoline. <i>Dyes and Pigments</i> , 2012, 92, 1153-1159.	3.7	14
50	Use of a sequential injection technique for mechanistic studies and kinetic determination of bromazepam complexed with iron(II) in hydrochloric acid. <i>Analyst</i> , The, 1996, 121, 617.	3.5	13
51	Fast analysis of flavonoids in apple juice on new generation halo column by SPE-HPLC. <i>Analytical Methods</i> , 2011, 3, 2836.	2.7	13
52	Kinetic Studies on the Inhibition of GABA-T by $\beta$ -Vinyl GABA and Taurine. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2003, 18, 297-301.	5.2	12
53	Supramolecular interaction of gemifloxacin and hydroxyl propyl $\beta$ -cyclodextrin spectroscopic characterization, molecular modeling and analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 360-367.	3.9	12
54	3(2H)-Furanone as a promising scaffold for the synthesis of novel fluorescent organic dyes: an experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2015, 39, 6667-6676.	2.8	12

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55	Towards an ideal method for analysis of lisinopril in pharmaceutical formulations using a tris(2,2'-bipyridyl)-ruthenium(II)-peroxydisulfate chemiluminescence system in a two chip device. <i>Analytical Methods</i> , 2012, 4, 773.	2.7	11
56	Combination of capillary micellar liquid chromatography with on-chip microfluidic chemiluminescence detection for direct analysis of buspirone in human plasma. <i>Talanta</i> , 2014, 127, 230-238.	5.5	11
57	A solid-state electrochemiluminescence composite modified electrode based on Ru(bpy) <sub>3</sub> <sup>2+</sup> /PAHNSA: Characterization and pharmaceutical applications. <i>Electrochimica Acta</i> , 2015, 176, 179-187.	5.2	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. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 517-525.	7.8	11
59	Terbium sensitized luminescence for the determination of fexofenadine in pharmaceutical formulations. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2457-2463.	4.9	11
60	Ion-association method for the spectrophotometric determination of the antitussive drug noscapine. <i>Talanta</i> , 1997, 44, 53-60.	5.5	10
61	Sequential Injection Method for the Determination of Oxprenolol in Pharmaceutical Products Using Chemometric Methods of Optimization. <i>Microchemical Journal</i> , 1997, 57, 320-327.	4.5	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. <i>Analytical Sciences</i> , 2003, 19, 737-742.	1.6	10
63	Determination of Meloxicam Using Europium Sensitized Luminescence in the Presence of Co-Luminescence Reagents. <i>Journal of Fluorescence</i> , 2012, 22, 467-474.	2.5	10
64	The binding interaction of imazapyr with cucurbit[ <i>n</i> ]uril ( <i>n</i> = 6-8): Combined experimental and molecular modeling study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 194, 67-75.	3.9	10
65	Investigating the impact of metal ions and 3D printed droplet microfluidics chip geometry on the luminol-potassium periodate chemiluminescence system for estimating total phenolic content in olive oil. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117182.	3.9	10
66	Capillary electrophoresis and molecular modeling of the chiral separation of aromatic amino acids using $\beta$ -cyclodextrin and 18-crown-6. <i>Electrophoresis</i> , 2021, 42, 1800-1809.	2.4	10
67	Off-line optimization of the separation of 2,4-dinitrophenylhydrazones by gas chromatography using chemometric techniques. <i>Talanta</i> , 2002, 56, 175-183.	5.5	9
68	Liquid chromatography-tandem mass spectroscopic method for the determination of zerumbone in human plasma and its application to pharmacokinetics. <i>Journal of Mass Spectrometry</i> , 2011, 46, 772-781.	1.6	9
69	Size-dependent conductivity dispersion of gold nanoparticle colloids in a microchip: contactless measurements. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	9
70	Enhancing the chemiluminescence intensity of a KMnO <sub>4</sub> formaldehyde system for estimating the total phenolic content in honey samples using a novel nanodroplet mixing approach in a microfluidics platform. <i>Luminescence</i> , 2018, 33, 863-870.	2.9	9
71	Capillary electrophoretic separation and computational modeling of inclusion complexes of $\beta$ -cyclodextrin and 18-crown-6 ether with primaquine and quinocide. <i>Biomedical Chromatography</i> , 2010, 24, 393-398.	1.7	8
72	High-throughput method for the analysis of venlafaxine in pharmaceutical formulations and biological fluids, using a tris(2,2'-bipyridyl) ruthenium(II)-peroxydisulphate chemiluminescence system in a two-chip device. <i>Luminescence</i> , 2013, 28, 44-49.	2.9	8

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73	Photoinduced oxidation of a tris(2,2'-bipyridyl)ruthenium(II)-peroxodisulfate chemiluminescence system for the analysis of mebeverine HCl pharmaceutical formulations and biological fluids using a two-chip device. <i>Luminescence</i> , 2014, 29, 275-283.	2.9	8
74	3-Naphthyl-1-phenyl-5-(4-carboxyphenyl)-2-pyrazoline – a pyrazoline based heterocyclic dye as a fluorescent label for biomolecules containing an amino group and its evaluation using HPLC. <i>Analytical Methods</i> , 2016, 8, 2729-2736.	2.7	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 383-389.	3.9	8
76	Identification of an artifact peak co-eluting with formaldehyde-2,4-dinitrophenylhydrazone derivative by GC-MS and chemometrics. <i>Microchemical Journal</i> , 2002, 72, 27-33.	4.5	7
77	Composition and antimicrobial activity of the essential oil of <i>Pluchea arabica</i> from Oman. <i>Flavour and Fragrance Journal</i> , 2006, 21, 469-471.	2.6	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. <i>Luminescence</i> , 2015, 30, 1242-1249.	2.9	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. <i>Journal of Luminescence</i> , 2017, 192, 527-533.	3.1	7
80	Application of Super Modified Simplex Optimization to the Flow Injection Spectrophotometric Determination of Promethazine Hydrochloride in Drug Formulations.. <i>Analytical Sciences</i> , 1992, 8, 841-843.	1.6	6
81	New spectrofluorimetric method for determination of cephalosporins in pharmaceutical formulations. <i>Luminescence</i> , 2013, 28, 734-741.	2.9	6
82	Determination of amlodipine using terbium-sensitized luminescence in the presence of europium(III) as a co-luminescence reagent. <i>Luminescence</i> , 2014, 29, 657-662.	2.9	6
83	A lab on a chip device for the determination of tranexamic acid using a peroxyoxalate chemiluminescence system. <i>Analytical Methods</i> , 2013, 5, 6205.	2.7	5
84	Investigation of inclusion complexes of ametryne and atrazine with cucurbit[n]urils ( $n=6-8$ ) using experimental and theoretical techniques. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 31-43.	1.6	5
85	The determination of carbonyl compounds in air using a robotic sampling preparation system integrated to a gas chromatograph with a nitrogen-phosphorus detector. <i>Journal of Environmental Monitoring</i> , 2000, 2, 470-475.	2.1	4
86	HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY DETERMINATION OF ANILINES WITH FLUORESCENT DETECTION AND PRE-COLUMN DERIVATIZATION. <i>Instrumentation Science and Technology</i> , 2013, 41, 48-59.	1.8	4
87	Parallel Microdevice for High Throughput Analysis of Levofloxacin Using tris (2,2'-Bipyridyl) Ruthenium (II) and Peroxydisulfate Chemiluminescence System. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 1056-1060.	1.5	4
88	Inclusion complexes of pantoprazole with $\beta$ -cyclodextrin and cucurbit[7]uril: experimental and molecular modeling study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 91, 179-188.	1.6	4
89	Deciphering ephedrine inclusion complexes with $\beta$ -cyclodextrin, 18-crown-6 and cucurbit[7]uril using spectral and molecular modeling methods. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 93, 157-172.	1.6	4
90	Flow injection method for the assay of the anti-arrhythmic procainamide HCl in drug formulations utilizing statistical optimization techniques. <i>Talanta</i> , 1993, 40, 623-627.	5.5	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.	1.4	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.	4.9	3
93	An Investigation into Interactions between 1-Butyl-3-methylimidazolium Tetrafluoroborate Guest and Pillar[5]arene Hosts: An Experimental and Molecular Dynamics Approach. ChemistrySelect, 2021, 6, 82-89.	1.5	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.	2.4	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.	1.6	2
96	Experimental and theoretical insights into the enhanced intramolecular charge transfer fluorescence of a 3(2H)-furanone based d- $\pi$ -A compounds tailored with dialkyl chains. Journal of Molecular Structure, 2021, 1239, 130500.	3.6	2
97	A lab-on-a-chip device for analysis of amlodipine in biological fluids using peroxyoxalate chemiluminescence system. Luminescence, 2014, 29, 1148-1153.	2.9	1
98	Microfluidic photoinduced chemical oxidation for Ru(bpy) <sub>3</sub> <sup>3+</sup> chemiluminescence – 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
99	Tuning a pyrazoline-based fluorogenic reagent, 3-(naphthyl)-1-(4-(trifluoromethyl)-5-(4-carboxy) Tj ETQq1 1 0.784314 rg RP-HPLC with fluorescence detection. Biomedical Chromatography, 2021, 35, e5134.	1.7	0