

# Alaa S Amin

## List of Publications by Year in descending order

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97  
papers

1,527  
citations

304368

22  
h-index

414034

32  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrophotometric and spectrofluorometric methods for the determination of non-steroidal anti-inflammatory drugs: A review. <i>Arabian Journal of Chemistry</i> , 2013, 6, 145-163.	2.3	88
2	Spectrophotometric determination of piroxicam and tenoxicam in pharmaceutical formulations using alizarin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 729-736.	1.4	59
3	Spectrophotometric determination of gatifloxacin in pure form and in pharmaceutical formulation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1306-1312.	2.0	58
4	Utility of certain $\pi$ -acceptors for the spectrophotometric determination of norfloxacin. <i>Analyst</i> , The, 1995, 120, 1189-1193.	1.7	48
5	Spectrophotometric determination of certain cephalosporins in pure form and in pharmaceutical formulations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 2831-2835.	2.0	48
6	Spectrophotometric determination of iron in environmental and food samples using solid phase extraction. <i>Food Chemistry</i> , 2013, 141, 1941-1946.	4.2	48
7	A facile Pechini sol-gel synthesis of $\text{TiO}_2/\text{ZnO}/\text{TiO}_2/\text{ZnO}/\text{C}$ nanocomposite: an efficient catalyst for the photocatalytic degradation of Orange G textile dye. <i>RSC Advances</i> , 2017, 7, 30411-30421.	1.7	48
8	Simultaneous spectrophotometric determination of thorium and rare earth metals with pyrimidine azo dyes and cetylpyridinium chloride. <i>Talanta</i> , 2001, 54, 611-620.	2.9	40
9	Cloud-point extraction, preconcentration and spectrophotometric determination of trace quantities of copper in food, water and biological samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 88-96.	2.0	39
10	Utility of Certain $\pi$ and $\pi$ -Acceptors for the Spectrophotometric Determination of Sildenafil Citrate (Viagra). <i>Mikrochimica Acta</i> , 2001, 137, 63-69.	2.5	36
11	Chromium speciation in environmental samples using a solid phase spectrophotometric method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 541-547.	2.0	35
12	Utility of solid phase spectrophotometry for the modified determination of trace amounts of cadmium in food samples. <i>Food Chemistry</i> , 2012, 132, 518-524.	4.2	29
13	Preparation, spectroscopic and antibacterial studies on charge-transfer complexes of 2-hydroxypyridine with picric acid and 7,7,8,8-tetracyano- <i>p</i> -quinodimethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 302-312.	2.0	29
14	Atomic absorption spectroscopic, conductometric and colorimetric methods for determination of fluoroquinolone antibiotics using ammonium reineckate ion-pair complex formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 973-978.	2.0	28
15	Spectrophotometric determination of pipazethate HCl, dextromethorphan HBr and drotaverine HCl in their pharmaceutical preparations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1088-1093.	2.0	28
16	Utility of solid-phase spectrophotometry for determination of dissolved iron(II) and iron(III) using 2,3-dichloro-6-(3-carboxy-2-hydroxy-1-naphthylazo)quinoxaline. <i>Talanta</i> , 2008, 76, 1241-1245.	2.9	28
17	Utility of solid phase extraction for spectrophotometric determination of gold in water, jewel and ore samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 1054-1058.	2.0	26
18	Study of the solid phase extraction and spectrophotometric determination of nickel using 5-(4-chlorophenylazo)-6-hydroxypyrimidine-2,4-dione in environmental samples. <i>Journal of Saudi Chemical Society</i> , 2012, 16, 451-459.	2.4	26

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19	Acetylacetone-formaldehyde reagent for the spectrophotometric determination of some sulfa drugs in pure and dosage forms. <i>Mikrochimica Acta</i> , 1996, 124, 227-233.	2.5	25
20	Study on the solid phase extraction and spectrophotometric determination of cobalt with 5-(2-benzothiazolylazo)-8-hydroxyquinolene. <i>Arabian Journal of Chemistry</i> , 2014, 7, 715-721.	2.3	25
21	Simple and selective spectrophotometric determination of ruthenium after solid phase extraction with some quinoxaline dyes into microcrystalline p-dichlorobenzene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 1831-1837.	2.0	24
22	Colorimetric Determination of Benzocaine, Lignocaine and Procaine Hydrochlorides in Pure Form and in Pharmaceutical Formulations Using p-Benzoquinone. <i>Analytical Sciences</i> , 2003, 19, 1457-1459.	0.8	22
23	Utilization of cloud-point extraction for colorimetric determination of trace amounts of thorium (<sc>iv</sc>) in real samples. <i>RSC Advances</i> , 2015, 5, 52095-52100.	1.7	22
24	Study on solid phase extraction and spectrophotometric determination of vanadium with 2,3-dichloro-6-(2,7-dihydroxy-1-naphthylazo)quinoxaline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 195-200.	2.0	21
25	Pyrocatechol violet in pharmaceutical analysis. Part I. A spectrophotometric method for the determination of some $\beta$ -lactam antibiotics in pure and in pharmaceutical dosage forms. <i>Il Farmaco</i> , 2001, 56, 211-218.	0.9	20
26	Spectrophotometric assay of cephalosporins in pharmaceutical products, using chromotrope 2B and chromotrope 2R. <i>Mikrochimica Acta</i> , 1996, 124, 203-209.	2.5	18
27	Solid-phase spectrophotometric determination of trace amounts of vanadium using 2,3-dichloro-6-(3-carboxy-2-hydroxynaphthylazo)quinoxaline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 1025-1033.	2.0	18
28	Ion-pairing and reversed phase liquid chromatography for the determination of three different quinolones: Enrofloxacin, lomefloxacin and ofloxacin. <i>Arabian Journal of Chemistry</i> , 2011, 4, 249-257.	2.3	18
29	SPECTROPHOTOMETRIC DETERMINATION OF CADMIUM USING THIAZOLYL AZO CHROMOGENIC REAGENTS IN THE PRESENCE OF TRITON X-100: APPLICATION IN ENVIRONMENTAL SAMPLES. <i>Analytical Letters</i> , 2001, 34, 163-176.	1.0	17
30	Spectrophotometric Methods for the Determination of Anti-Emetic Drugs in Bulk and in Pharmaceutical Preparations. <i>Analytical Sciences</i> , 2003, 19, 747-751.	0.8	17
31	Utilization of ion exchanger and spectrophotometry for assaying amoxicillin and flucloxacillin in dosage form. <i>International Journal of Pharmaceutics</i> , 2007, 338, 225-230.	2.6	17
32	Determination of thallium at ultra-trace levels in water and biological samples using solid phase spectrophotometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 262-268.	2.0	17
33	Determination of rhodium in metallic alloy and water samples using cloud point extraction coupled with spectrophotometric technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1955-1961.	2.0	16
34	Spectrophotometric Microdetermination of Some Pharmaceutically Important Aminoquinoline Antimalarials, as Ion-Pair Complexes. <i>Mikrochimica Acta</i> , 2000, 134, 133-138.	2.5	15
35	Colorimetric Determination of Sildenafil Citrate (Viagra) Through Ion-Associate Complex Formation. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 125-130.	0.7	15
36	Spectrophotometric Determination of Gemifloxacin Mesylate, Moxifloxacin Hydrochloride, and Enrofloxacin in Pharmaceutical Formulations Using Acid Dyes. <i>Journal of Analytical Methods in Chemistry</i> , 2014, 2014, 1-16.	0.7	15

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37	An ionic liquid-based microextraction method for highly selective and sensitive trace determination of nickel in environmental and biological samples. <i>Analytical Methods</i> , 2015, 7, 10229-10237.	1.3	15
38	Colorimetric Microdetermination of some Corticosteroid Drugs Using Indophenol as Chromophoric Reagent. <i>Analytical Letters</i> , 1996, 29, 1527-1537.	1.0	14
39	Quantitative Determination of Some Pharmaceutical Veterinary Formulations Using Bromocresol Purple and Bromocresol Green. <i>Analytical Letters</i> , 1997, 30, 2503-2513.	1.0	14
40	Colorimetric Estimation of Melatonin in Pharmaceutical Formulations. <i>Mikrochimica Acta</i> , 2000, 135, 81-85.	2.5	14
41	Vanadophosphoric Acid as a Modified Reagent for the Spectrophotometric Determination of Certain Cephalosporins and their Dosage Forms. <i>Monatshefte für Chemie</i> , 2000, 131, 0313-0319.	0.9	14
42	Use of cloud-point preconcentration for spectrophotometric determination of trace amounts of antimony in biological and environmental samples. <i>Analytical Biochemistry</i> , 2016, 492, 1-7.	1.1	14
43	Conductometric and indirect AAS determination of antimalarials. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 785-794.	1.4	13
44	Three Spectrophotometric Methods for the Determination of Oxomemazine Hydrochloride in Bulk and in Pharmaceutical Formulations Using Bromocresol Green, Congo Red, and Methyl Orange. <i>Analytical Letters</i> , 2008, 41, 80-89.	1.0	13
45	Utility of 5-(2,4-dimethylphenylazo)-6-hydroxy-pyrimidine-2,4-dione in PVC membrane for a novel green optical chemical sensor to detect zinc ion in environmental samples. <i>Analytical Biochemistry</i> , 2022, 643, 114579.	1.1	13
46	Colorimetric Procedure for the Microdetermination of the Antibilharzial Drug Praziquantel and its Applications to Pharmaceutical Formulations. <i>Mikrochimica Acta</i> , 2001, 137, 35-40.	2.5	12
47	Spectrophotometric methods for sertraline hydrochloride and/or clidinium bromide determination in bulk and pharmaceutical preparations. <i>Chemical Papers</i> , 2009, 63, .	1.0	11
48	Cloud-Point Extraction and Spectrophotometric Determination of Trace Quantities of Bismuth in Environmental Water and Biological Samples. <i>Spectroscopy Letters</i> , 2011, 44, 424-431.	0.5	11
49	Utilization of a plasticized PVC optical sensor for the selective and efficient detection of cobalt(II) in environmental samples. <i>RSC Advances</i> , 2022, 12, 18431-18440.	1.7	11
50	Spectrophotometric Determination of Zinc in Pharmaceutical Samples with Some Salicylic Azo Compounds. <i>Analytical Letters</i> , 1994, 27, 95-102.	1.0	10
51	Utility of the ion-pair formation for spectrophotometric determination of terfenadine in pure form and in some pharmaceutical formulations. <i>Mikrochimica Acta</i> , 1999, 130, 173-179.	2.5	10
52	New Colorimetric Methods for the Determination of Indapamide and its Formulations. <i>Mikrochimica Acta</i> , 2001, 137, 185-189.	2.5	10
53	Colorimetric Microdetermination of Mercury(II) with Some Quinoxaline Azo Compounds in Presence of an Anionic Surfactant. <i>Monatshefte für Chemie</i> , 2001, 132, 587-596.	0.9	10
54	High Sensitive and Selective Spectrophotometric Determination of Aluminium after Collection on a Membrane Filter Using 2,3-dichloro-6-(3-carboxy-2-hydroxy-1-naphthylazo)quinoxaline and Zephiranone. <i>Analytical Letters</i> , 2007, 40, 2959-2973.		10

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55	Spectrophotometric Determination of Some Fluoroquinolone Derivatives in Dosage Forms and Biological Fluids Using Ion-Pair Complex Formation. <i>Analytical Letters</i> , 2008, 41, 837-852.	1.0	10
56	Sensitive spectrophotometric methods for determination of some organophosphorus pesticides in vegetable samples. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010, 16, 11-18.	0.4	10
57	Quantification of silver in several samples using a new ionophore polymer membrane as an optical sensor. <i>RSC Advances</i> , 2021, 11, 35300-35310.	1.7	10
58	Spectrophotometric determination of 6-aminopenicillanic acid using bromophenol blue and bromothymol blue. <i>Mikrochimica Acta</i> , 1995, 117, 187-194.	2.5	9
59	Modified Spectrophotometric Method for the Determination of Some Important Antibiotics Through Charge - Transfer Complexation Reaction with Chloranil. <i>Spectroscopy Letters</i> , 1996, 29, 1003-1011.	0.5	9
60	Utilization of solid phase spectrophotometry for the determination of trace amounts of copper using 5-(2-benzothiazolylazo)-8-hydroxyquinoline. <i>Chemical Papers</i> , 2009, 63, .	1.0	9
61	Application of a triacetylcellulose membrane with immobilized of 5-(2,4-dimethylphenylazo)-6-hydroxypyrimidine-2,4-dione for mercury determination in real samples. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1342-1347.	4.0	9
62	Utility of solid phase extraction for UV-visible spectrophotometric determination of gallium in environmental and biological samples. <i>RSC Advances</i> , 2016, 6, 1938-1944.	1.7	9
63	Facile Fabrication of Nano-sized SiO <sub>2</sub> by an Improved Sol-Gel Route: As an Adsorbent for Enhanced Removal of Cd(II) and Pb(II) Ions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1129-1141.	1.9	9
64	Indirect spectrophotometric determination of gentamicin and vancomycin antibiotics based on their oxidation by potassium permanganate. <i>Open Chemistry</i> , 2006, 4, 708-722.	1.0	8
65	Membrane optode for uranium(VI) preconcentration and colorimetric determination in real samples. <i>RSC Advances</i> , 2017, 7, 46566-46574.	1.7	8
66	Fast and Reliable Synthesis of Melanin Nanoparticles with Fine-Tuned Metal Adsorption Capacities for Studying Heavy Metal Ions Uptake. <i>Nanotechnology, Science and Applications</i> , 2021, Volume 14, 101-111.	4.6	8
67	Utilization of tetrazolium blue for the colorimetric assay of tannins in tea. <i>Mikrochimica Acta</i> , 1997, 126, 105-108.	2.5	7
68	Complexation and Spectrophotometric Study of Samarium(III) Using Pyrimidine Azo Derivatives in the Presence of Cetyltrimethyl Ammonium Bromide. <i>Analytical Letters</i> , 2010, 43, 2598-2608.	1.0	7
69	Solid-Phase Extraction Using Polymer-Based Cartridge Modified with 2-(2-benzothiazolylazo)-3-hydroxyphenol for Preconcentration of Uranium(VI) Ions from Water and Real Samples. <i>Spectroscopy Letters</i> , 2012, 45, 246-255.	0.5	7
70	Optimized and validated spectrophotometric determination of two antifungal drugs in pharmaceutical formulations using an ion-pair complexation reaction. <i>Journal of Taibah University for Science</i> , 2016, 10, 26-37.	1.1	7
71	New polycrystalline solid state responsive electrodes for the determination of the selenite ion. <i>Electroanalysis</i> , 1995, 7, 587-590.	1.5	6
72	Spectrophotometric Determination of Pipazethate Hydrochloride in Pure Form and in Pharmaceutical Formulations. <i>Journal of AOAC INTERNATIONAL</i> , 2007, 90, 686-692.	0.7	6

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73	Sensitive optical thin film sensor based on incorporation of 2-(2-hydroxynaphthylazo)-benzothiazole in a sol-gel matrix for detection of manganese(II) in environmental samples. <i>Analytical Biochemistry</i> , 2022, 651, 114720.	1.1	6
74	MICRODETERMINATION OF ZINC(II) IN ALLOYS AND ORES BY VISIBLE SPECTROPHOTOMETRIC TECHNIQUE USING 2,3-DICHLORO-6-(2-HYDROXYNAPHTHYLAZO)-QUINOXALINE IN PRESENCE OF MIXED SURFACTANTS. <i>Analytical Letters</i> , 2002, 35, 585-597.	1.0	5
75	Determination of Nano Amounts of Copper in Environmental, Biological, and Water Samples Via Cloud Point Extraction and Spectrophotometry. <i>Analytical Chemistry Letters</i> , 2016, 6, 820-833.	0.4	5
76	Application of Cloud Point Extraction for Separation of Iron in Water, Food and Environmental Samples Prior to Determination by Spectrophotometry. <i>Analytical Chemistry Letters</i> , 2016, 6, 296-312.	0.4	5
77	Novel potentiometric methods for the estimation of bisoprolol and alverine in pharmaceutical forms and human serum. <i>Reviews in Analytical Chemistry</i> , 2021, 40, 127-135.	1.5	5
78	Utility of a novel optical sensor design for ultra-trace detection of chromium colorimetrically in real environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4031-4048.	1.8	5
79	Comparison of Ion-Pairing and Reversed Phase Liquid Chromatography in Determination of Sulfamethoxazole and Trimethoprim. <i>Analytical Letters</i> , 2008, 41, 1878-1894.	1.0	4
80	Utility of solid-phase spectrophotometry to determine trace amounts of zinc in environmental and biological samples. <i>Analytical Biochemistry</i> , 2011, 418, 172-179.	1.1	4
81	Determination of scandium in monazite and environmental samples using cloud point extraction coupled with a spectrophotometric technique. <i>RSC Advances</i> , 2016, 6, 73797-73804.	1.7	4
82	Cloud-Point Extraction for Preconcentration and Platinum Determination Using Spectrophotometry in Environmental Samples. <i>Analytical Chemistry Letters</i> , 2017, 7, 128-141.	0.4	4
83	Auto-combustion Fabrication and Optical Properties of Zinc Oxide Nanoparticles for Degradation of Reactive Red 195 and Methyl Orange Dyes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3780-3792.	1.9	4
84	Colorimetric Assay of Cimetidine in the Presence of Its Oxidative Degradates. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 382-386.	0.7	3
85	Spectrophotometric quantification of fluoxetine hydrochloride: Application to quality control and quality assurance processes. <i>Chemical Papers</i> , 2010, 64, .	1.0	3
86	Solid Phase Extraction and Spectrophotometric Determination of Palladium with 1-(2-benzothiazolylazo)-2-hydroxy-3-naphthoic Acid. <i>Analytical Chemistry Letters</i> , 2017, 7, 724-736.	0.4	3
87	Design of a novel optical sensor for determination of trace amounts of tin in food and in environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 7313-7328.	1.8	3
88	Utility of solid-phase extraction coupled with spectrophotometry for a novel green nano determination of copper(II) using 4-((furan-2-ylmethylene) amino)-5-methyl-4H-1,2,4-triazole-3-thiol. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1550-1571.	1.8	3
89	Solid Phase Extraction Using Polymer-Based C18 Cartridge Modified with 5-(2-Methyl-4-Hydroxyphenylazo)-6-Hydroxypyrimidine-2,4-Dione for Spectrophotometric Determination of Indium(III) in Water and Real Samples. <i>Analytical Chemistry Letters</i> , 2019, 9, 582-593.	0.4	2
90	Colorimetric determination of sildenafil citrate (Viagra) through ion-associate complex formation. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 125-30.	0.7	2

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91	Optimized solid phase extraction methodology for separation, and spectrophotometric determination of boron using amberlite XAD-16 resin modified with 2-(2-benzothiazolylazo)-4-methoxyphenol. RSC Advances, 2015, 5, 66975-66980.	1.7	1
92	Preconcentration and Determination of Tungsten Using Cold-Induced Aggregation Microextraction Technique Via Ionic Liquid in Environmental and Biological Samples. Analytical Chemistry Letters, 2018, 8, 297-310.	0.4	1
93	Determination of tin (IV) in alloys and in canned food by visible spectrophotometric technique using pyrimidine azo compounds in presence of mixed surfactants. Annali Di Chimica, 2002, 92, 729-39.	0.6	1
94	Colorimetric assay of cimetidine in the presence of its oxidative degradates. Journal of AOAC INTERNATIONAL, 2009, 92, 382-6.	0.7	1
95	Application of non-steroidal anti-inflammatory drugs for palladium determination. Chemical Papers, 2010, 64, .	1.0	0
96	Optimization and validation of spectrophotometric methods for determination of finasteride in dosage and biological forms. Pharmaceutical Methods, 2012, 3, 48-55.	0.4	0
97	Removal of Malachite Green Dye from Aqueous Solutions by an Efficient Nanosized NiO Fabricated by a Facile Sol-Gel Autocombustion. Asian Journal of Chemical Sciences, 0, , 41-51.	0.4	0