

Iqbal Ahmad

List of Publications by Year in descending order

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83
papers

1,884
citations

236925

25
h-index

276875

41
g-index

85
all docs

85
docs citations

85
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical interaction of cyanocobalamin and hydroxocobalamin with cysteine. Journal of Molecular Structure, 2021, 1228, 129441.	3.6	1
2	Photolysis of thiochrome in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology B: Biology, 2020, 203, 111766.	3.8	1
3	Development and validation of a spectrofluorimetric method for the analysis of tolfenamic acid in pure and tablet dosage form. Luminescence, 2020, 35, 1017-1027.	2.9	2
4	The effect of albumin in photostabilization of riboflavin: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112456.	3.9	3
5	The kinetics of photostabilization of cyanocobalamin in liposomal preparations. International Journal of Chemical Kinetics, 2020, 52, 207-217.	1.6	8
6	Light transmission properties of pharmaceutical liquid bottles and evaluation of their photoprotective efficacy. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 877-885.	0.2	0
7	Authentication of various commercially available crude drugs using different quality control testing parameters. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 1641-1657.	0.2	1
8	Photolysis of carboxymethylflavin in aqueous and organic solvent: a kinetic study. RSC Advances, 2019, 9, 26559-26571.	3.6	8
9	Divalent anion catalyzed photodegradation of riboflavin: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 59-66.	3.9	9
10	Simultaneous photoaddition, photoreduction and chemical reduction of riboflavin by sulfur containing dianions: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 376, 22-31.	3.9	1
11	Photodegradation of formylmethylflavin by side chain and isoalloxazine ring cleavage in alkaline solution: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 374, 106-114.	3.9	7
12	Multicomponent spectrometric analysis of drugs and their preparations. Profiles of Drug Substances, Excipients and Related Methodology, 2019, 44, 379-413.	8.0	5
13	Photochemical interaction of ascorbic acid and nicotinamide in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 115-121.	3.8	6
14	Multicomponent spectrofluorimetric method for the assay of carboxymethylflavin and its hydrolytic products: kinetic applications. Luminescence, 2018, 33, 1314-1325.	2.9	4
15	Photolysis of methylcobalamin in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 362, 40-48.	3.9	17
16	Stability-Indicating Photochemical Method for the Assay of Thiamine by Spectrophotometry. Journal of Spectroscopy, 2018, 2018, 1-7.	1.3	4
17	Multicomponent spectrofluorimetric method for the assay of formylmethylflavin and its hydrolytic products: Kinetic applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 540-550.	3.9	8
18	Stability-Indicating spectrofluorimetric method for the assay of riboflavin and photoproducts: Kinetic applications. Luminescence, 2018, 33, 1070-1080.	2.9	9

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19	Tolfenamic Acid. Profiles of Drug Substances, Excipients and Related Methodology, 2018, 43, 255-319.	8.0	13
20	Metal ion mediated photolysis reactions of riboflavin: A kinetic study. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 231-239.	3.8	19
21	Effect of ascorbic acid on the photolysis of cyanocobalamin and aquocobalamin/hydroxocobalamin in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 92-100.	3.9	15
22	Validation of a Stability-Indicating Spectrometric Method for the Determination of Sulfacetamide Sodium in Pure Form and Ophthalmic Preparations. Journal of Pharmacy and Bioallied Sciences, 2017, 9, 126-134.	0.6	3
23	Effect of solvent polarity on the extraction of components of pharmaceutical plastic containers. Pakistan Journal of Pharmaceutical Sciences, 2017, 30, 247-252.	0.2	0
24	Effect of Nicotinamide on the Photolysis of Riboflavin in Aqueous Solution. Scientia Pharmaceutica, 2016, 84, 289-303.	2.0	2
25	Formulations of Amlodipine: A Review. Journal of Pharmaceutics, 2016, 2016, 1-11.	4.7	12
26	Photostability and Photostabilization of Drugs and Drug Products. International Journal of Photoenergy, 2016, 2016, 1-19.	2.5	99
27	Formulation and stabilization of norfloxacin in liposomal preparations. European Journal of Pharmaceutical Sciences, 2016, 91, 208-215.	4.0	14
28	Ionic strength effects on the photodegradation reactions of riboflavin in aqueous solution. Journal of Photochemistry and Photobiology B: Biology, 2016, 157, 113-119.	3.8	22
29	Stability-Indicating Photochemical Method for the Assay of Riboflavin: Lumichrome Method. Journal of Chemistry, 2015, 2015, 1-8.	1.9	3
30	Validation of a UV Spectrometric Method for the Assay of Tolfenamic Acid in Organic Solvents. Journal of Pharmaceutics, 2015, 2015, 1-8.	4.7	4
31	Photodegradation of norfloxacin in aqueous and organic solvents: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 302, 1-10.	3.9	29
32	Solvent Effect on the Photolysis of Riboflavin. AAPS PharmSciTech, 2015, 16, 1122-1128.	3.3	25
33	Formulation and stabilization of riboflavin in liposomal preparations. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 358-366.	3.8	22
34	Photo, thermal and chemical degradation of riboflavin. Beilstein Journal of Organic Chemistry, 2014, 10, 1999-2012.	2.2	177
35	Effect of Acetate and Carbonate Buffers on the Photolysis of Riboflavin in Aqueous Solution: A Kinetic Study. AAPS PharmSciTech, 2014, 15, 550-559.	3.3	15
36	Effect of phosphate buffer on the complexation and photochemical interaction of riboflavin and caffeine in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 273, 17-22.	3.9	12

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37	Photodegradation of Moxifloxacin in Aqueous and Organic Solvents: A Kinetic Study. AAPS PharmSciTech, 2014, 15, 1588-1597.	3.3	16
38	Effect of Ascorbic Acid on the Degradation of Cyanocobalamin and Hydroxocobalamin in Aqueous Solution: A Kinetic Study. AAPS PharmSciTech, 2014, 15, 1324-1333.	3.3	29
39	Multicomponent spectrometric analysis of riboflavin and photoproducts and their kinetic applications. Open Chemistry, 2014, 12, 635-642.	1.9	17
40	Multicomponent spectrometric assay of cyanocobalamin and its photoproduct hydroxocobalamin in the presence of ascorbic acid in photolyzed solutions. Pakistan Journal of Pharmaceutical Sciences, 2014, 27, 209-15.	0.2	1
41	Correction for Irrelevant Absorption in Multicomponent Spectrophotometric Assay of Riboflavin, Formylmethylflavin, and Degradation Products: Kinetic Applications. AAPS PharmSciTech, 2013, 14, 1101-1107.	3.3	5
42	Photodegradation and Stabilization of Betamethasone-17 Valerate in Aqueous/Organic Solvents and Topical Formulations. AAPS PharmSciTech, 2013, 14, 177-182.	3.3	11
43	Effect of pH, Buffer, and Viscosity on the Photolysis of Formylmethylflavin: A Kinetic Study. Australian Journal of Chemistry, 2013, 66, 579.	0.9	26
44	Solvent Effect on Photoinitiator Reactivity in the Polymerization of 2-Hydroxyethyl Methacrylate. Advances in Physical Chemistry, 2013, 2013, 1-6.	2.0	3
45	Photoinitiated Polymerization of 2-Hydroxyethyl Methacrylate by Riboflavin/Triethanolamine in Aqueous Solution: A Kinetic Study. ISRN Pharmaceutics, 2013, 2013, 1-7.	1.0	8
46	Photodegradation of levofloxacin in aqueous and organic solvents: A kinetic study. Acta Pharmaceutica, 2013, 63, 223-229.	2.0	37
47	Vitamin B6: deficiency diseases and methods of analysis. Pakistan Journal of Pharmaceutical Sciences, 2013, 26, 1057-69.	0.2	8
48	<i>In vitro</i> evaluation of betamethasone esters for phototoxic potential. Drug and Chemical Toxicology, 2012, 35, 43-47.	2.3	7
49	Photochemical interaction of ascorbic acid with riboflavin, nicotinamide and alpha-tocopherol in cream formulations. International Journal of Cosmetic Science, 2012, 34, 123-131.	2.6	9
50	Photostabilization of ascorbic acid with citric acid, tartaric acid and boric acid in cream formulations. International Journal of Cosmetic Science, 2012, 34, 240-245.	2.6	9
51	Effect of Riboflavin on the Photolysis of Cyanocobalamin in Aqueous Solution. The Open Analytical Chemistry Journal, 2012, 6, 22-27.	2.2	16
52	Kinetics of thermal degradation of betamethasone valerate and betamethasone dipropionate in different media. Indian Journal of Pharmaceutical Sciences, 2012, 74, 133.	1.0	12
53	Stabilizing effect of citrate buffer on the photolysis of riboflavin in aqueous solution. Results in Pharma Sciences, 2011, 1, 11-15.	4.2	21
54	Photostability and Interaction of Ascorbic Acid in Cream Formulations. AAPS PharmSciTech, 2011, 12, 917-923.	3.3	48

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55	Photo- and thermal degradation of piroxicam in aqueous solution. Indian Journal of Pharmaceutical Sciences, 2011, 73, 387-91.	1.0	4
56	Effect of divalent anions on photodegradation kinetics and pathways of riboflavin in aqueous solution. International Journal of Pharmaceutics, 2010, 390, 174-182.	5.2	29
57	Effect of Caffeine Complexation on the Photolysis of Riboflavin in Aqueous Solution: A Kinetic Study. Chemical and Pharmaceutical Bulletin, 2009, 57, 1363-1370.	1.3	22
58	Effect of borate buffer on the photolysis of riboflavin in aqueous solution. Journal of Photochemistry and Photobiology B: Biology, 2008, 93, 82-87.	3.8	37
59	Photolysis of formylmethylflavin in aqueous and organic solvents. Photochemical and Photobiological Sciences, 2006, 5, 680.	2.9	35
60	Effect of light intensity and wavelengths on photodegradation reactions of riboflavin in aqueous solution. Journal of Photochemistry and Photobiology B: Biology, 2006, 82, 21-27.	3.8	71
61	Effect of phosphate buffer on photodegradation reactions of riboflavin in aqueous solution. Journal of Photochemistry and Photobiology B: Biology, 2005, 78, 229-234.	3.8	58
62	Photolysis of riboflavin in aqueous solution: a kinetic study. International Journal of Pharmaceutics, 2004, 280, 199-208.	5.2	120
63	A study of simultaneous photolysis and photoaddition reactions of riboflavin in aqueous solution. Journal of Photochemistry and Photobiology B: Biology, 2004, 75, 13-20.	3.8	76
64	A study of simultaneous photolysis and photoaddition reactions of riboflavin in aqueous solution. Journal of Photochemistry and Photobiology B: Biology, 2004, 75, 13-13.	3.8	1
65	Spectral study of photolysis of aqueous cyanocobalamin solutions in presence of vitamins B and C. Pakistan Journal of Pharmaceutical Sciences, 2004, 17, 93-9.	0.2	2
66	Effect of nicotinamide on the photolysis of cyanocobalamin in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 2003, 31, 369-374.	2.8	17
67	Identification of photoproducts of folic acid and its degradation pathways in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 2003, 31, 579-588.	2.8	58
68	Effect of moisture on the stability of packaged paracetamol tablet formulations. Pakistan Journal of Pharmaceutical Sciences, 2003, 16, 13-6.	0.2	2
69	Effect of riboflavin on the photolysis of folic acid in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 2000, 23, 1039-1044.	2.8	29
70	Photodegradation of folic acid in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 1999, 19, 269-275.	2.8	80
71	High performance liquid chromatographic determination of folic acid and its photodegradation products in the presence of riboflavin. Journal of Pharmaceutical and Biomedical Analysis, 1997, 16, 95-99.	2.8	48
72	Sulfacetamide. Analytical Profiles of Drug Substances and Excipients, 1994, , 471-509.	0.0	2

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73	Redox potentials of cytochrome b-559 in the D1/D2/cytochrome b-559 reaction centre of Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1143, 239-242.	1.0	12
74	Amodiaquine Hydrochloride. <i>Analytical Profiles of Drug Substances and Excipients</i> , 1992, 21, 43-73.	0.0	2
75	Photolysis of cyanocobalamin in aqueous solution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1992, 10, 9-15.	2.8	43
76	Observation of multiple radical pair states in photosystem 2 reaction centers. <i>Biochemistry</i> , 1991, 30, 7573-7586.	2.5	87
77	Oxamniquine. <i>Analytical Profiles of Drug Substances</i> , 1991, 20, 601-625.	0.0	1
78	Multicomponent spectrophotometric assay of riboflavine and photoproducts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 217-223.	2.8	47
79	Laser flash photolysis studies of electron transfer between semiquinone and fully-reduced free flavins and the cytochrome c-cytochrome oxidase complex. <i>Biochemistry</i> , 1982, 21, 3122-3128.	2.5	40
80	Solvent effects on flavin electron transfer reactions. <i>Biochemistry</i> , 1981, 20, 5925-5928.	2.5	32
81	FLAVIN TRIPLET QUENCHING AND SEMIQUINONE FORMATION BY ALIPHATIC α -SUBSTITUTED ACETIC ACIDS: INTERMEDIATES IN FLAVIN-SENSITIZED PHOTODECARBOXYLATION*. <i>Photochemistry and Photobiology</i> , 1981, 34, 441-445.	2.5	16
82	Alkaline hydrolysis of 7,8-dimethyl-10-(formylmethyl)isoalloxazine. A kinetic study. <i>Journal of Organic Chemistry</i> , 1980, 45, 731-733.	3.2	42
83	Chapter 2. Photochemistry of Flavins in Aqueous and Organic Solvents. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 0, , 13-40.	0.3	8