Iqbal Ahmad

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1829142/publications.pdf

Version: 2024-02-01

83	1,884	236925	276875
papers	citations	25 h-index	41 g-index

85	85	85	1620
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photo, thermal and chemical degradation of riboflavin. Beilstein Journal of Organic Chemistry, 2014, 10, 1999-2012.	2.2	177
2	Photolysis of riboflavin in aqueous solution: a kinetic study. International Journal of Pharmaceutics, 2004, 280, 199-208.	5.2	120
3	Photostability and Photostabilization of Drugs and Drug Products. International Journal of Photoenergy, 2016, 2016, 1-19.	2.5	99
4	Observation of multiple radical pair states in photosystem 2 reaction centers. Biochemistry, 1991, 30, 7573-7586.	2.5	87
5	Photodegradation of folic acid in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 1999, 19, 269-275.	2.8	80
6	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
7	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
8	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
9	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
10	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
11	Photostability and Interaction of Ascorbic Acid in Cream Formulations. AAPS PharmSciTech, 2011, 12, 917-923.	3.3	48
12	Multicomponent spectrophotometric assay of riboflavine and photoproducts. Journal of Pharmaceutical and Biomedical Analysis, 1990, 8, 217-223.	2.8	47
13	Photolysis of cyanocobalamin in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 1992, 10, 9-15.	2.8	43
14	Alkaline hydrolysis of 7,8-dimethyl-10-(formylmethyl)isoalloxazine. A kinetic study. Journal of Organic Chemistry, 1980, 45, 731-733.	3.2	42
15	Laser flash photolysis studies of electron transfer between semiquinone and fully-reduced free flavins and the cytochrome c-cytochrome oxidase complex. Biochemistry, 1982, 21, 3122-3128.	2.5	40
16	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
17	Photodegradation of levofloxacin in aqueous and organic solvents: A kinetic study. Acta Pharmaceutica, 2013, 63, 223-229.	2.0	37
18	Photolysis of formylmethylflavin in aqueous and organic solvents. Photochemical and Photobiological Sciences, 2006, 5, 680.	2.9	35

#	Article	IF	Citations
19	Solvent effects on flavin electron transfer reactions. Biochemistry, 1981, 20, 5925-5928.	2.5	32
20	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
21	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
22	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
23	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
24	Effect of pH, Buffer, and Viscosity on the Photolysis of Formylmethylflavin: A Kinetic Study. Australian Journal of Chemistry, 2013, 66, 579.	0.9	26
25	Solvent Effect on the Photolysis of Riboflavin. AAPS PharmSciTech, 2015, 16, 1122-1128.	3.3	25
26	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
27	Formulation and stabilization of riboflavin in liposomal preparations. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 358-366.	3.8	22
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	Stabilizing effect of citrate buffer on the photolysis of riboflavin in aqueous solution. Results in Pharma Sciences, 2011, 1, 11-15.	4.2	21
30	Metal ion mediated photolysis reactions of riboflavin: A kinetic study. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 231-239.	3.8	19
31	Effect of nicotinamide on the photolysis of cyanocobalamin in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 2003, 31, 369-374.	2.8	17
32	Multicomponent spectrometric analysis of riboflavin and photoproducts and their kinetic applications. Open Chemistry, 2014, 12, 635-642.	1.9	17
33	Photolysis of methylcobalamin in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 362, 40-48.	3.9	17
34	FLAVIN TRIPLET QUENCHING AND SEMIQUINONE FORMATION BY ALIPHATIC Î±â€šSUBSTITUTED ACETIC ACIDS: INTERMEDIATES IN FLAVINâ€šSENSITIZED PHOTODECARBOXYLATION*. Photochemistry and Photobiology, 1981, 34, 441-445.	2.5	16
35	Photodegradation of Moxifloxacin in Aqueous and Organic Solvents: A Kinetic Study. AAPS PharmSciTech, 2014, 15, 1588-1597.	3.3	16
36	Effect of Riboflavin on the Photolysis of Cyanocobolamin in Aqueous Solution. The Open Analytical Chemistry Journal, 2012, 6, 22-27.	2.2	16

#	Article	IF	Citations
37	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
38	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
39	Formulation and stabilization of norfloxacin in liposomal preparations. European Journal of Pharmaceutical Sciences, 2016, 91, 208-215.	4.0	14
40	Tolfenamic Acid. Profiles of Drug Substances, Excipients and Related Methodology, 2018, 43, 255-319.	8.0	13
41	Redox potentials of cytochrome b-559 in the D1/D2/cytochrome b-559 reaction centre of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1143, 239-242.	1.0	12
42	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
43	Formulations of Amlodipine: A Review. Journal of Pharmaceutics, 2016, 2016, 1-11.	4.7	12
44	Kinetics of thermal degradation of betamethasone valerate and betamethasone dipropionate in different media. Indian Journal of Pharmaceutical Sciences, 2012, 74, 133.	1.0	12
45	Photodegradation and Stabilization of Betamethasone-17 Valerate in Aqueous/Organic Solvents and Topical Formulations. AAPS PharmSciTech, 2013, 14, 177-182.	3.3	11
46	Photochemical interaction of ascorbic acid with riboflavin, nicotinamide and alphaâ€tocopherol in cream formulations. International Journal of Cosmetic Science, 2012, 34, 123-131.	2.6	9
47	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
48	Stabilityâ€indicating spectrofluorimetric method for the assay of riboflavin and photoproducts: Kinetic applications. Luminescence, 2018, 33, 1070-1080.	2.9	9
49	Divalent anion catalyzed photodegradation of riboflavin: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 59-66.	3.9	9
50	Chapter 2. Photochemistry of Flavins in Aqueous and Organic Solvents. Comprehensive Series in Photochemical and Photobiological Sciences, 0, , 13-40.	0.3	8
51	Photoinitiated Polymerization of 2-Hydroxyethyl Methacrylate by Riboflavin/Triethanolamine in Aqueous Solution: A Kinetic Study. ISRN Pharmaceutics, 2013, 2013, 1-7.	1.0	8
52	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
53	Photolysis of carboxymethylflavin in aqueous and organic solvent: a kinetic study. RSC Advances, 2019, 9, 26559-26571.	3.6	8
54	The kinetics of photostabilization of cyanocobalamin in liposomal preparations. International Journal of Chemical Kinetics, 2020, 52, 207-217.	1.6	8

#	Article	IF	Citations
55	Vitamin B6: deficiency diseases and methods of analysis. Pakistan Journal of Pharmaceutical Sciences, 2013, 26, 1057-69.	0.2	8
56	In vitroevaluation of betamethasone esters for phototoxic potential. Drug and Chemical Toxicology, 2012, 35, 43-47.	2.3	7
57	Photodegradation of formylmethylflavin by sideâ€“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
58	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
59	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
60	Multicomponent spectrometric analysis of drugs and their preparations. Profiles of Drug Substances, Excipients and Related Methodology, 2019, 44, 379-413.	8.0	5
61	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
62	Multicomponent spectrofluorimetric method for the assay of carboxymethylflavin and its hydrolytic products: kinetic applications. Luminescence, 2018, 33, 1314-1325.	2.9	4
63	Stability-Indicating Photochemical Method for the Assay of Thiamine by Spectrophotometry. Journal of Spectroscopy, 2018, 2018, 1-7.	1.3	4
64	Photo- and thermal degradation of piroxicam in aqueous solution. Indian Journal of Pharmaceutical Sciences, 2011, 73, 387-91.	1.0	4
65	Solvent Effect on Photoinitiator Reactivity in the Polymerization of 2-Hydroxyethyl Methacrylate. Advances in Physical Chemistry, 2013, 2013, 1-6.	2.0	3
66	Stability-Indicating Photochemical Method for the Assay of Riboflavin: Lumichrome Method. Journal of Chemistry, 2015, 2015, 1-8.	1.9	3
67	The effect of albumin in photostabilization of riboflavin: A kinetic study. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112456.	3.9	3
68	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
69	Amodiaquine Hydrochloride. Analytical Profiles of Drug Substances and Excipients, 1992, 21, 43-73.	0.0	2
70	Sulfacetamide. Analytical Profiles of Drug Substances and Excipients, 1994, , 471-509.	0.0	2
71	Effect of Nicotinamide on the Photolysis of Riboflavin in Aqueous Solution. Scientia Pharmaceutica, 2016, 84, 289-303.	2.0	2
72	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

#	Article	IF	Citations
73	Effect of moisture on the stability of packaged paracetamol tablet formulations. Pakistan Journal of Pharmaceutical Sciences, 2003, 16, 13-6.	0.2	2
74	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
75	Oxamniquine. Analytical Profiles of Drug Substances, 1991, 20, 601-625.	0.0	1
76	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
77	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
78	Photolysis of thiochrome in aqueous solution: A kinetic study. Journal of Photochemistry and Photobiology B: Biology, 2020, 203, 111766.	3.8	1
79	Photochemical interaction of cyanocobalamin and hydroxocobalamin with cysteine. Journal of Molecular Structure, 2021, 1228, 129441.	3.6	1
80	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
81	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
82	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
83	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