

Gaetano Ragno

List of Publications by Year in descending order

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89
papers

1,962
citations

218677

26
h-index

289244

40
g-index

89
all docs

89
docs citations

89
times ranked

2174
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiproliferative activity against human tumor cell lines and toxicity test on Mediterranean dietary plants. <i>Food and Chemical Toxicology</i> , 2008, 46, 3325-3332.	3.6	134
2	Accelerated photostability study of tretinoin and isotretinoin in liposome formulations. <i>International Journal of Pharmaceutics</i> , 2005, 293, 251-260.	5.2	89
3	Derivative FTIR spectroscopy for cluster analysis and classification of morocco olive oils. <i>Food Chemistry</i> , 2011, 124, 1113-1118.	8.2	89
4	Prediction of the geographical origin of butters by partial least square discriminant analysis (PLS-DA) applied to infrared spectroscopy (FTIR) data. <i>Journal of Food Composition and Analysis</i> , 2014, 33, 210-215.	3.9	84
5	Photodegradation monitoring of amlodipine by derivative spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 27, 19-24.	2.8	72
6	Design and monitoring of photostability systems for amlodipine dosage forms. <i>International Journal of Pharmaceutics</i> , 2003, 265, 125-132.	5.2	64
7	An application of cluster analysis and multivariate classification methods to spring water monitoring data. <i>Microchemical Journal</i> , 2007, 87, 119-127.	4.5	57
8	Multivariate calibration techniques applied to derivative spectroscopy data for the analysis of pharmaceutical mixtures. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 14-21.	3.5	57
9	1,4-Dihydropyridine Antihypertensive Drugs: Recent Advances in Photostabilization Strategies. <i>Pharmaceutics</i> , 2019, 11, 85.	4.5	53
10	Photostability and ex-vivo permeation studies on diclofenac in topical niosomal formulations. <i>International Journal of Pharmaceutics</i> , 2015, 494, 490-497.	5.2	51
11	Multivariate calibration techniques applied to the spectrophotometric analysis of one-to-four component systems. <i>Analytica Chimica Acta</i> , 2004, 512, 173-180.	5.4	44
12	Photosensitive drugs: a review on their photoprotection by liposomes and cyclodextrins. <i>Drug Delivery</i> , 2017, 24, 33-44.	5.7	43
13	Kinetic studies of nitrofurazone photodegradation by multivariate curve resolution applied to UV-spectral data. <i>International Journal of Pharmaceutics</i> , 2010, 386, 99-107.	5.2	39
14	Chemometric analysis for discrimination of extra virgin olive oils from whole and stoned olive pastes. <i>Food Chemistry</i> , 2016, 202, 432-437.	8.2	39
15	Multivariate curve resolution of incomplete fused multiset data from chromatographic and spectrophotometric analyses for drug photostability studies. <i>Analytica Chimica Acta</i> , 2014, 837, 31-37.	5.4	37
16	Classification of moroccan olive cultivars by linear discriminant analysis applied to ATR-FTIR spectra of endocarps. <i>International Journal of Food Science and Technology</i> , 2012, 47, 1286-1292.	2.7	36
17	Photo- and Thermal-Stability Studies on Benzimidazole Anthelmintics by HPLC and GC-MS. <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 802-806.	1.3	35
18	Multivariate analysis of paracetamol, propiphenazone, caffeine and thiamine in quaternary mixtures by PCR, PLS and ANN calibrations applied on wavelet transform data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1471-1475.	2.8	34

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19	A study of pH-dependent photodegradation of amiloride by a multivariate curve resolution approach to combined kinetic and acid-base titration UV data. <i>Analyst</i> , The, 2012, 137, 5428.	3.5	33
20	Prediction of photosensitivity of 1,4-dihydropyridine antihypertensives by quantitative structure-property relationship. <i>Talanta</i> , 2009, 79, 1418-1424.	5.5	31
21	Photostability of barnidipine in combined cyclodextrin-in-liposome matrices. <i>Future Medicinal Chemistry</i> , 2014, 6, 35-43.	2.3	31
22	A critical study on the application of the zero-crossing derivative spectrophotometry to the photodegradation monitoring of lacidipine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 39-45.	2.8	30
23	Synthesis of novel thiazolothiazepine based HIV-1 integrase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4459-4466.	3.0	28
24	Photostabilization of 1,4-Dihydropyridine Antihypertensives by Incorporation into β -Cyclodextrin and Liposomes. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2979-2985.	0.9	28
25	Different photodegradation behavior of barnidipine under natural and forced irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 205-213.	3.9	28
26	Study of photodegradation kinetics of melatonin by multivariate curve resolution (MCR) with estimation of feasible band boundaries. <i>Drug Testing and Analysis</i> , 2013, 5, 96-102.	2.6	28
27	Application of a classical least-squares regression method to the assay of 1,4-dihydropyridine antihypertensives and their photoproducts. <i>Talanta</i> , 2003, 59, 375-382.	5.5	26
28	Progesterone administration by nasal spray. <i>Fertility and Sterility</i> , 1991, 56, 139-141.	1.0	25
29	A discriminant method for classification of Moroccan olive varieties by using direct FT-IR analysis of the mesocarp section. <i>Vibrational Spectroscopy</i> , 2011, 56, 123-128.	2.2	25
30	Fractional Wavelet Analysis for the Simultaneous Quantitative Analysis of Lacidipine and Its Photodegradation Product by Continuous Wavelet Transform and Multilinear Regression Calibration. <i>Journal of AOAC INTERNATIONAL</i> , 2006, 89, 1538-1546.	1.5	24
31	Artificial Neural Network Combined with Principal Component Analysis for Resolution of Complex Pharmaceutical Formulations. <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 35-40.	1.3	23
32	The difficulties for a photolabile drug in topical formulations: The case of diclofenac. <i>International Journal of Pharmaceutics</i> , 2014, 465, 284-290.	5.2	23
33	Analysis of nimodipine and its photodegradation product by derivative spectrophotometry and gas chromatography. <i>International Journal of Pharmaceutics</i> , 1995, 119, 115-119.	5.2	22
34	Investigation of the photodegradation profile of tamoxifen using spectroscopic and chromatographic analysis and multivariate curve resolution. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 174, 128-141.	3.5	20
35	Gas-phase fragmentation of protonated benzodiazepines. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2273-2281.	1.5	19
36	Gas chromatographic and UV derivative determination of nitrendipine and its photodegradation product. <i>International Journal of Pharmaceutics</i> , 1993, 99, 351-355.	5.2	18

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37	Optimization of wavelength range and data interval in chemometric analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 64-69.	5.3	17
38	Benzopyrroloxazines containing a bridgehead nitrogen atom as promising scaffolds for the achievement of biologically active agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 121-144.	5.5	17
39	A critical evaluation of the analytical techniques in the photodegradation monitoring of edible oils. <i>LWT - Food Science and Technology</i> , 2017, 76, 147-155.	5.2	16
40	Bioanalytical assay for the quantification of the ALK inhibitor lorlatinib in mouse plasma using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 204-208.	2.3	16
41	Nasally-administered progesterone: comparison of ointment and spray formulations. <i>Maturitas</i> , 1991, 13, 313-317.	2.4	15
42	Reverse Transcriptase Inhibitors Nanosystems Designed for Drug Stability and Controlled Delivery. <i>Pharmaceutics</i> , 2019, 11, 197.	4.5	15
43	Assessment of Surface Water Quality Using Multivariate Analysis: Case Study of the Crati River, Italy. <i>Water (Switzerland)</i> , 2020, 12, 2214.	2.7	15
44	Improvement of multivariate calibration techniques applied to 1-to-N component mixtures through an optimized experimental design. <i>Microchemical Journal</i> , 2006, 83, 24-34.	4.5	14
45	A single MCR-ALS model for drug analysis in different formulations: Application on diazepam commercial preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 346-351.	2.8	14
46	Determination of p-aminosalicylic acid and m-aminophenol by derivative UV-spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1988, 6, 383-391.	2.8	13
47	Photostabilization studies of antihypertensive 1,4-dihydropyridines using polymeric containers. <i>International Journal of Pharmaceutics</i> , 2016, 505, 376-382.	5.2	13
48	Evaluation of human breastmilk adulteration by combining Fourier transform infrared spectroscopy and partial least square modeling. <i>Food Science and Nutrition</i> , 2019, 7, 2194-2201.	3.4	13
49	Photodegradation of Anti-Inflammatory Drugs: Stability Tests and Lipid Nanocarriers for Their Photoprotection. <i>Molecules</i> , 2021, 26, 5989.	3.8	13
50	Fourth UV derivative spectrophotometry for the simultaneous assay of atenolol and chlorthalidone in pharmaceuticals. <i>International Journal of Pharmaceutics</i> , 1990, 65, 177-181.	5.2	12
51	Propofol assay in biological fluids in pregnant women. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 1633-1640.	2.8	12
52	Photodegradation studies of 1,4-dihydropyridine compounds by MCR analysis on UV spectral data. <i>Future Medicinal Chemistry</i> , 2016, 8, 107-115.	2.3	12
53	Acute Toxicity of Antibiotics in Surface Waters by Bioluminescence Test. <i>Current Pharmaceutical Analysis</i> , 2016, 12, 220-226.	0.6	12
54	Fractional Wavelet Transform vs. Continuous Wavelet Transform for the Quantification of Melatonin and Its Photodegradation Product. <i>Spectroscopy Letters</i> , 2012, 45, 337-343.	1.0	10

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55	A New Generation of Dihydropyridine Calcium Channel Blockers: Photostabilization of Liquid Formulations Using Nonionic Surfactants. <i>Pharmaceutics</i> , 2019, 11, 28.	4.5	10
56	Photostability study of multicomponent drug formulations via MCR-ALS: The case of the hydrochlorothiazide-amiloride mixture. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113332.	2.8	10
57	Gel Formulation of Nabumetone and a Newly Synthesized Analog: Microemulsion as a Photoprotective Topical Delivery System. <i>Pharmaceutics</i> , 2020, 12, 423.	4.5	10
58	Fractional wavelet analysis for the simultaneous quantitative analysis of lacidipine and its photodegradation product by continuous wavelet transform and multilinear regression calibration. <i>Journal of AOAC INTERNATIONAL</i> , 2006, 89, 1538-46.	1.5	10
59	Simultaneous Assay of Atenolol and Nifedipine by UV Derivative Spectrophotometry and Gaschromatography. <i>Spectroscopy Letters</i> , 1995, 28, 407-415.	1.0	9
60	COMPARATIVE EVALUATION OF ANALYTICAL METHODS FOR SIMULTANEOUS DETERMINATION OF NISOLDIPINE AND ITS PHOTODEGRADATION PRODUCTS. <i>Analytical Letters</i> , 2002, 35, 1327-1339.	1.8	9
61	Chemometric classification of citrus juices of Moroccan cultivars by infrared spectroscopy. <i>Czech Journal of Food Sciences</i> , 2015, 33, 137-142.	1.2	9
62	Light-sensitive drugs in topical formulations: stability indicating methods and photostabilization strategies. <i>Future Medicinal Chemistry</i> , 2017, 9, 1795-1808.	2.3	9
63	Coupling of spectrometric, chromatographic, and chemometric analysis in the investigation of the photodegradation of sulfamethoxazole. <i>Talanta</i> , 2022, 239, 122953.	5.5	9
64	Multivariate least squares regression applied to the spectrophotometric analysis of manidipine and its main photoproduct. <i>Il Farmaco</i> , 2003, 58, 909-915.	0.9	8
65	Simultaneous Determination of Lonidamine, 1-(2,4-Dichlorobenzyl)-1h-indazole-3-carboxylic Acid, a New Antitumoral, and Its Impurity, N2Substituted Isomer, by UV Derivative Spectrophotometry. <i>Analytical Letters</i> , 1989, 22, 1685-1692.	1.8	7
66	Polycondensed Heterocycles. Part 11: Preparation and Regioselective Reductions of 5-Phenyl-4H-pyrrolo[1,2-a][1]benzazepin-4-one. <i>Tetrahedron</i> , 2000, 56, 9351-9355.	1.9	7
67	Monitoring of water quality in South Paris district by clustering and SIMCA classification. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 1087-1105.	3.3	7
68	Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds. <i>Acta Pharmaceutica</i> , 2017, 67, 341-355.	2.0	7
69	Toward Multitasking Pharmacological COX-Targeting Agents: Non-Steroidal Anti-Inflammatory Prodrugs with Antiproliferative Effects. <i>Molecules</i> , 2021, 26, 3940.	3.8	7
70	A Simple Purity Test of p-Aminosalicylic Acid, Advantageously Alternative to USP Method, by UV Spectrophotometry. <i>Spectroscopy Letters</i> , 1989, 22, 51-57.	1.0	6
71	Cumulative area pre-processing (CAP): A new treatment of UV data for the analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 90, 45-51.	2.8	6
72	PHOTODEGRADATION OF 1, 4-DIHYDROPYRIDINE ANTIHYPERTENSIVE DRUGS: AN UPDATED REVIEW. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2018, 10, 8.	0.3	6

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73	Stability-Indicating Methods for NSAIDs in Topical Formulations and Photoprotection in Host-Guest Matrices. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 676-682.	2.4	6
74	Determination of trapidil in human serum and urine by derivative UV spectrophotometry after selective solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 923-929.	3.7	5
75	Central retinal thickness fluctuations in patients treated with anti-VEGF for neovascular age related macular degeneration. <i>European Journal of Ophthalmology</i> , 2021, , 112067212110378.	1.3	5
76	Interaction of letrozole and its degradation products with aromatase: chemometric assessment of kinetics and structure-based binding validation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1600-1609.	5.2	5
77	Nasal spray bromocriptine: Effects on serum prolactin in puerperal women. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1996, 75, 730-733.	2.8	4
78	IMPROVEMENT OF MULTIVARIATE UV ANALYSIS BY SELECTING WAVELENGTHS AND INSTRUMENTAL PARAMETERS. <i>Analytical Letters</i> , 2002, 35, 559-575.	1.8	4
79	HPLC Determination of Antihistaminic Drugs in Surface Waters and Toxicological Evaluation by <i>Vibrio Fischeri</i> Test. <i>Current Pharmaceutical Analysis</i> , 2012, 8, 196-205.	0.6	4
80	Assessment of drug entrapment within liposomes using photophysical probes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 551-555.	4.3	3
81	Use of Pluronic Surfactants in Gel Formulations of Photosensitive 1,4-Dihydropyridine Derivatives: A Potential Approach in the Treatment of Neuropathic Pain. <i>Pharmaceutics</i> , 2021, 13, 527.	4.5	3
82	Analytical Investigation of N1 and N2 Isomers of Indazole-3-Carboxylic Acid. Unambiguous Structure Assignment by UV Derivative Spectrophotometry. <i>Spectroscopy Letters</i> , 1989, 22, 375-385.	1.0	2
83	Roxatidine estimation in human fluids by UV derivative spectrophotometry. <i>International Journal of Pharmaceutics</i> , 1995, 119, 109-114.	5.2	2
84	Analysis of Amniotic Fluid by UV Derivative Spectrophotometry. <i>Analytical Letters</i> , 1995, 28, 605-619.	1.8	2
85	Lonidamine and related impurities: HPLC analysis, stability profile and degradation pathways. <i>Analytical Methods</i> , 2013, 5, 1715.	2.7	2
86	Application of Third Derivative UV Spectrophotometry to the Simultaneous Determination of N-Methyl-5,6-Benzoquinoline Methyl Sulfate and Thonzylamine Hydrochloride, In Multi Component Collyrium. <i>Spectroscopy Letters</i> , 1989, 22, 41-49.	1.0	1
87	Photo and thermal stress of linseed oil and stabilization strategies. <i>Journal of Food Science and Technology</i> , 2019, 56, 614-623.	2.8	0
88	Efficacy of Red Glass in Protecting 1,4-Dihydropyridine Antihypertensive Drugs in Liquid Formulations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3442.	2.5	0
89	Trace lead monitoring in waters by potentiometric stripping analysis. <i>European Journal of Water Quality</i> , 2012, 43, 43-52.	0.1	0