

Giorgio Marrubini

List of Publications by Year in descending order

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70
papers

1,517
citations

331670

21
h-index

345221

36
g-index

71
all docs

71
docs citations

71
times ranked

2333
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Analysis of Phenol, Catechol and Hydroquinone in Human Urine by Coupled-Column HPLC with Fluorimetric Detection. <i>Chromatographia</i> , 2005, 62, 25-31.	1.3	190
2	Pilot Production of Mesenchymal Stem/Stromal Freeze-Dried Secretome for Cell-Free Regenerative Nanomedicine: A Validated GMP-Compliant Process. <i>Cells</i> , 2018, 7, 190.	4.1	108
3	Separation of purine and pyrimidine bases and nucleosides by hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2010, 33, 803-816.	2.5	81
4	Hydrophilic interaction chromatography in food matrices analysis: An updated review. <i>Food Chemistry</i> , 2018, 257, 53-66.	8.2	61
5	Performance of the ForenSeq TM DNA Signature Prep kit on highly degraded samples. <i>Electrophoresis</i> , 2017, 38, 1163-1174.	2.4	59
6	Alpha tocopherol loaded chitosan oleate nanoemulsions for wound healing. Evaluation on cell lines and ex vivo human biopsies, and stabilization in spray dried Trojan microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 123, 31-41.	4.3	57
7	A review of micro-solid-phase extraction techniques and devices applied in sample pretreatment coupled with chromatographic analysis. <i>Acta Chromatographica</i> , 2021, 33, 99-111.	1.3	50
8	Development and integration of an immunoaffinity monolithic disk for the on-line solid-phase extraction and HPLC determination with fluorescence detection of aflatoxin B1 in aqueous solutions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 396-403.	2.8	48
9	Experimental designs for solid-phase microextraction method development in bioanalysis: A review. <i>Analytica Chimica Acta</i> , 2020, 1119, 77-100.	5.4	44
10	Growth Factors Delivery System for Skin Regeneration: An Advanced Wound Dressing. <i>Pharmaceutics</i> , 2020, 12, 120.	4.5	36
11	Characterization of Intact Neo-Glycoproteins by Hydrophilic Interaction Liquid Chromatography. <i>Molecules</i> , 2014, 19, 9070-9088.	3.8	35
12	In Vitro Effectiveness of Microspheres Based on Silk Sericin and <i>Chlorella vulgaris</i> or <i>Arthrospira platensis</i> for Wound Healing Applications. <i>Materials</i> , 2017, 10, 983.	2.9	35
13	GMP-compliant sponge-like dressing containing MSC lyo-secretome: Proteomic network of healing in a murine wound model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 155, 37-48.	4.3	34
14	Determination of the Sugar Content in Commercial Plant Milks by Near Infrared Spectroscopy and Luff-Schoorl Total Glucose Titration. <i>Food Analytical Methods</i> , 2017, 10, 1556-1567.	2.6	29
15	In vitro efficacy of silk sericin microparticles and platelet lysate for intervertebral disk regeneration. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 792-799.	7.5	28
16	Identification of Phenolic Constituents in <i>Cichorium endivia</i> Var. <i>crispum</i> and Var. <i>latifolium</i> Salads by High-Performance Liquid Chromatography with Diode Array Detection and Electrospray Ionization Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 12142-12150.	5.2	27
17	Polyphenolic profile of green/red spotted Italian <i>Cichorium intybus</i> salads by RP-HPLC-PDA-ESI-MS n. <i>Journal of Food Composition and Analysis</i> , 2017, 63, 189-197.	3.9	27
18	Rational design of functionalized polyacrylate-based high internal phase emulsion materials for analytical and biomedical uses. <i>Polymer Chemistry</i> , 2016, 7, 7436-7445.	3.9	24

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19	Effect of sorbic acid administration on urinary trans,trans-muconic acid excretion in rats exposed to low levels of benzene. <i>Food and Chemical Toxicology</i> , 2002, 40, 1799-1806.	3.6	23
20	Solid phase microextraction techniques used for gas chromatography: a review. <i>Acta Chromatographica</i> , 2020, 32, 1-9.	1.3	23
21	Liquid phase microextraction techniques combined with chromatography analysis: a review. <i>Acta Chromatographica</i> , 2020, 32, 69-79.	1.3	23
22	Platelet lysate and chondroitin sulfate loaded contact lenses to heal corneal lesions. <i>International Journal of Pharmaceutics</i> , 2016, 509, 188-196.	5.2	22
23	Effect of <i>In Vitro</i> Digestion on Free α -Dicarbonyl Compounds in Balsamic Vinegars. <i>Journal of Food Science</i> , 2013, 78, C514-9.	3.1	21
24	Development of a chromatographic bioreactor based on immobilized β -glucuronidase on monolithic support for the determination of dextromethorphan and dextrorphan in human urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1179-1189.	2.8	20
25	Exposure to airborne formaldehyde: Sampling and analytical methods – A review. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 29, e00116.	10.3	20
26	Liquid chromatography–mass spectrometry structural characterization of neo glycoproteins aiding the rational design and synthesis of a novel glycovaccine for protection against tuberculosis. <i>Journal of Chromatography A</i> , 2014, 1367, 57-67.	3.7	19
27	Acrylate-based poly-high internal phase emulsions for effective enzyme immobilization and activity retention: from computationally-assisted synthesis to pharmaceutical applications. <i>Polymer Chemistry</i> , 2018, 9, 87-97.	3.9	18
28	Estimating the integrity of aged DNA samples by CE. <i>Electrophoresis</i> , 2009, 30, 3986-3995.	2.4	17
29	Column comparison and method development for the analysis of short-chain carboxylic acids by zwitterionic hydrophilic interaction liquid chromatography with UV detection. <i>Journal of Separation Science</i> , 2013, 36, 3493-3502.	2.5	17
30	Use of Immobilized Amine Transaminase from <i>Vibrio fluvialis</i> under Flow Conditions for the Synthesis of <i>S</i> -5-Fluoropyrimidin-2-yl-ethanamine. <i>ChemCatChem</i> , 2020, 12, 1359-1367.	3.7	17
31	Improved coupled column liquid chromatographic method for high-speed direct analysis of urinary trans,trans-muconic acid, as a biomarker of exposure to benzene. <i>Biomedical Applications</i> , 2001, 751, 331-339.	1.7	15
32	Palladium-Catalyzed Asymmetric Decarboxylative Allylation of Azlactone Enol Carbonates: Fast Access to Enantioenriched Allyl Quaternary Amino Acids. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 732-741.	2.4	15
33	Freeze-Dried Mesenchymal Stem Cell-Secretome Pharmaceuticalization: Optimization of Formulation and Manufacturing Process Robustness. <i>Pharmaceutics</i> , 2021, 13, 1129.	4.5	15
34	Direct analysis of urinary trans,trans-muconic acid by coupled column liquid chromatography and spectrophotometric ultraviolet detection: method applicability to human urine. <i>Biomedical Applications</i> , 2001, 758, 295-303.	1.7	14
35	Validation of use of a traditional remedy from <i>Bridelia grandis</i> (Pierre ex Hutch) stem bark against oral <i>Streptococci</i> . <i>Journal of Ethnopharmacology</i> , 2008, 120, 13-16.	4.1	13
36	Preparation of PUFA concentrates as acylglycerols via enzymatic hydrolysis of hempseed oil (<i>Cannabis sativa</i> L.) in a homogeneous low-water medium. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1496-1504.	1.5	13

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37	The use of a microwave-assisted solvent extraction coupled with HPLC-UV/PAD to assess the quality of <i>Marrubium vulgare</i> (white horehound) herbal raw material. <i>Phytochemical Analysis</i> , 2019, 30, 377-384.	2.4	13
38	Lipase-mediated hydrolysis of hempseed oil in a packed-bed reactor and in-line purification of PUFA as mono- and diacylglycerols. <i>Food and Bioproducts Processing</i> , 2020, 123, 345-353.	3.6	13
39	Microwave-Assisted Extraction and HPLC-UV-CD Determination of (S)-usnic Acid in <i>Cladonia foliacea</i> . <i>Molecules</i> , 2021, 26, 455.	3.8	13
40	The molecular characterization of a depurinated trial DNA sample can be a model to understand the reliability of the results in forensic genetics. <i>Electrophoresis</i> , 2014, 35, 3134-3144.	2.4	12
41	Determination of N-acetylglucosamine in cosmetic formulations and skin test samples by hydrophilic interaction liquid chromatography and UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 107, 125-130.	2.8	11
42	Determination of free quinic acid in food matrices by Hydrophilic Interaction Liquid Chromatography with UV detection. <i>Journal of Food Composition and Analysis</i> , 2015, 44, 80-85.	3.9	11
43	Doubtful Malignant Changes in the Endometrial Epithelium: A report on 60 cases from the Radiumhemmet. <i>Acta Radiologica</i> , 1949, 31, 65-84.	0.4	10
44	Experimental design applied to the optimization of microwave-assisted DNA hydrolysis. <i>Journal of Chromatography A</i> , 2012, 1249, 8-16.	3.7	10
45	CE analysis and molecular characterisation of depurinated DNA samples. <i>Electrophoresis</i> , 2011, 32, 3042-3052.	2.4	9
46	Producing standard damaged DNA samples by heating: pitfalls and suggestions. <i>Analytical Biochemistry</i> , 2018, 549, 107-112.	2.4	9
47	Determination of glycine and threonine in topical dermatological preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 716-722.	2.8	8
48	A new MS compatible HPLC-UV method for Teicoplanin drug substance and related impurities, part 1: Development and validation studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 162, 185-191.	2.8	8
49	Design of Experiments-Assisted Development of Clotrimazole-Loaded Ionic Polymeric Micelles Based on Hyaluronic Acid. <i>Nanomaterials</i> , 2020, 10, 635.	4.1	8
50	Determination of S-phenylmercapturic acid by GC-MS and ELISA: a comparison of the two methods. <i>Biomarkers</i> , 2005, 10, 238-251.	1.9	7
51	One-Pot Vinylation of Azlactones: Fast Access to Enantioenriched Vinyl Quaternary Amino Acids. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2964-2970.	2.4	7
52	Monitoring of Air-Dispersed Formaldehyde and Carbonyl Compounds as Vapors and Adsorbed on Particulate Matter by Denuder-Filter Sampling and Gas Chromatographic Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1969.	2.6	7
53	Highly degraded RNA can still provide molecular information: An in vitro approach. <i>Electrophoresis</i> , 2020, 41, 386-393.	2.4	7
54	Prolonged Ethanol Ingestion Enhances Benzene Myelotoxicity and Lowers Urinary Concentrations of Benzene Metabolite Levels in CD-1 Male Mice. <i>Toxicological Sciences</i> , 2003, 75, 16-24.	3.1	6

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55	On the long term storage of forensic DNA in water. <i>Forensic Science International</i> , 2019, 305, 110031.	2.2	6
56	Immobilization of γ -Glutamyl Transpeptidase from Equine Kidney for the Synthesis of kokumi Compounds. <i>ChemCatChem</i> , 2020, 12, 210-218.	3.7	6
57	Magnetic Micro-Solid-Phase Extraction Using a Novel Carbon-Based Composite Coupled with HPLC-MS/MS for Steroid Multiclass Determination in Human Plasma. <i>Molecules</i> , 2021, 26, 2061.	3.8	6
58	Effect of hippuric acid on the gaschromatographic retention of S-phenylmercapturic acid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 822, 209-220.	2.3	5
59	Application of Quality by Design Approach to Bioanalysis: Development of a Method for Elvitegravir Quantification in Human Plasma. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 531-542.	2.0	4
60	Development of an integrated chromatographic system for γ -transaminase-IMER characterization useful for flow-chemistry applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 260-268.	2.8	4
61	Application of an HPLC-MS/MS method for Teicoplanin drug substance and related impurities, part 2: Identity assignment of related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 168, 38-43.	2.8	4
62	Assessment of DNA Damage by Micellar Electrokinetic Chromatography. <i>Methods in Molecular Biology</i> , 2013, 984, 341-351.	0.9	3
63	Dealing with low amounts of degraded DNA: Evaluation of SNP typing of challenging forensic samples by using massive parallel sequencing. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 83-84.	0.3	3
64	Characterization and Separation of Platinum-Based Antineoplastic Drugs by Zwitterionic Hydrophilic Interaction Liquid Chromatography (HILIC)-Tandem Mass Spectrometry, and Its Application in Surface Wipe Sampling. <i>Separations</i> , 2021, 8, 69.	2.4	3
65	Fully Automated Determination of Trimellitic Anhydride in Saturated Polyester Resins Using Programmed Temperature Vaporization-Large Volume Injection-Gas Chromatography Previous Aqueous Derivatization with Triethyloxonium Tetrafluoroborate. <i>Chromatographia</i> , 2020, 83, 601-613.	1.3	2
66	Developing a Fast Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry Method for High-Throughput Surface Contamination Monitoring of 26 Antineoplastic Drugs. <i>Separations</i> , 2021, 8, 150.	2.4	2
67	Reliability of RT-qPCR from degraded RNA samples: An in vitro model. <i>Forensic Science International: Genetics Supplement Series</i> , 2015, 5, e60-e62.	0.3	1
68	Prolonged DNA hydrolysis in water: A study on DNA stability. <i>Data in Brief</i> , 2018, 20, 1237-1243.	1.0	1
69	Capillary electrophoresis analysis of DNA primary structure: Toward a quality control test for the reliability of the STR-typing from forensic specimens. <i>Forensic Science International: Genetics Supplement Series</i> , 2011, 3, e399-e400.	0.3	0
70	Systematic study on the analytical parameters relevant to achieve reliable STR profiles, as assessed in a multicentre data set. <i>Forensic Science International: Genetics Supplement Series</i> , 2015, 5, e566-e568.	0.3	0