

Roberta Risoluti

List of Publications by Year in descending order

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67
papers

1,466
citations

257357

24
h-index

377752

34
g-index

69
all docs

69
docs citations

69
times ranked

1003
citing authors

#	ARTICLE	IF	CITATIONS
1	Early detection of emerging street drugs by near infrared spectroscopy and chemometrics. <i>Talanta</i> , 2016, 153, 407-413.	2.9	69
2	Cocaine profiling: Implementation of a predictive model by ATR-FTIR coupled with chemometrics in forensic chemistry. <i>Talanta</i> , 2017, 166, 328-335.	2.9	56
3	New insights in forensic chemistry: NIR/Chemometrics analysis of toners for questioned documents examination. <i>Talanta</i> , 2017, 174, 673-678.	2.9	56
4	Micro-solid phase extraction coupled with high-performance liquid chromatography-tandem mass spectrometry for the determination of stimulants, hallucinogens, ketamine and phencyclidine in oral fluids. <i>Analytica Chimica Acta</i> , 2010, 675, 132-137.	2.6	54
5	Sol-Gel Synthesis, Spectroscopic and Thermal Behavior Study of SiO ₂ /PEG Composites Containing Different Amount of Chlorogenic Acid. <i>Polymers</i> , 2018, 10, 682.	2.0	52
6	Thermogravimetric analysis coupled with chemometrics as a powerful predictive tool for α -thalassemia screening. <i>Talanta</i> , 2016, 159, 425-432.	2.9	49
7	“Click and Screen” Technology for the Detection of Explosives on Human Hands by a Portable MicroNIR-Chemometrics Platform. <i>Analytical Chemistry</i> , 2018, 90, 4288-4292.	3.2	49
8	High-throughput prediction of AKB48 in emerging illicit products by NIR spectroscopy and chemometrics. <i>Microchemical Journal</i> , 2017, 134, 277-283.	2.3	48
9	Study of [2-(2-pyridyl)imidazole] complexes to confirm two main characteristic thermoanalytical behaviors of transition metal complexes based on imidazole derivatives. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 82-87.	2.6	46
10	Evolved Gas Analysis by Mass Spectrometry. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 635-665.	3.4	44
11	FTIR-evolved gas analysis in recent thermoanalytical investigations. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 39-72.	3.4	44
12	Thermogravimetric characterization of dark chocolate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 93-98.	2.0	43
13	A major allergen in rainbow trout (<i>Oncorhynchus mykiss</i>): complete sequences of parvalbumin by MALDI tandem mass spectrometry. <i>Molecular BioSystems</i> , 2015, 11, 2373-2382.	2.9	43
14	EGA-MS study to characterize the thermally induced decomposition of Co(II), Ni(II), Cu(II) and Zn(II) complexes with 1,1-diaminobutane-Schiff base. <i>Thermochimica Acta</i> , 2015, 606, 90-94.	1.2	42
15	Influence of the sebaceous gland density on the stratum corneum lipidome. <i>Scientific Reports</i> , 2018, 8, 11500.	1.6	38
16	Thermoanalytical, magnetic and structural investigation of neutral Co(II) complexes with 2,2-dipyridylamine and salicylaldehydes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 717-729.	2.0	37
17	Biomimetic complexes of Co(II), Cu(II) and Ni(II) with 2-aminomethylbenzimidazole. EGA-MS characterization of the thermally induced decomposition. <i>Microchemical Journal</i> , 2014, 115, 27-31.	2.3	35
18	Characterization of thermally induced mechanisms by mass spectrometry-evolved gas analysis (EGA-MS): A study of divalent cobalt and zinc biomimetic complexes with N-heterocyclic dicarboxylic ligands. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 372-376.	0.7	34

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19	Biomimetic complexes of divalent cobalt and zinc with N-heterocyclic dicarboxylic ligands. <i>Thermochimica Acta</i> , 2014, 580, 7-12.	1.2	31
20	Update on thalassemia diagnosis: New insights and methods. <i>Talanta</i> , 2018, 183, 216-222.	2.9	31
21	Monitoring of cannabinoids in hemp flours by MicroNIR/Chemometrics. <i>Talanta</i> , 2020, 211, 120672.	2.9	29
22	New frontiers in thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 549-557.	2.0	28
23	Field detection capability of immunochemical assays during criminal investigations involving the use of TNT. <i>Forensic Science International</i> , 2015, 246, 25-30.	1.3	27
24	Sol-gel synthesis and thermal behavior of bioactive ferrous citrate-silica hybrid materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 1085-1092.	2.0	25
25	Biophysical and biological contributions of polyamine-coated carbon nanotubes and bidimensional buckypapers in the delivery of miRNAs to human cells. <i>International Journal of Nanomedicine</i> , 2017, Volume 13, 1-18.	3.3	24
26	Click-on PLGA-PEG and hyaluronic acid: Gaining access to anti-leishmanial pentamidine bioconjugates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2778-2785.	1.6	24
27	Lab-on-Click-Detection of Illicit Drugs in Oral Fluids by MicroNIR-Chemometrics. <i>Analytical Chemistry</i> , 2019, 91, 6435-6439.	3.2	23
28	MicroNIR/Chemometrics: A new analytical platform for fast and accurate detection of δ^9 -Tetrahydrocannabinol (THC) in oral fluids. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107578.	1.6	22
29	TGA/Chemometrics addressing innovative preparation strategies for functionalized carbon nanotubes. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 351-355.	2.4	21
30	Protein Extraction, Enrichment and MALDI MS and MS/MS Analysis from Bitter Orange Leaves (<i>Citrus</i>) Tj ETQqO 0 0 rgBT /Overlock 10 T	1.7	21
31	Miniaturized analytical platform for cocaine detection in oral fluids by MicroNIR/Chemometrics. <i>Talanta</i> , 2019, 202, 546-553.	2.9	20
32	Extraction, Purification, and Determination by HPLC of Quercetin in Some Italian Wines. <i>Food Analytical Methods</i> , 2018, 11, 3558-3562.	1.3	19
33	Real time detection of amphetamine in oral fluids by MicroNIR/Chemometrics. <i>Talanta</i> , 2020, 208, 120456.	2.9	19
34	2 nd Analytical Platform-To Update Procedures in Thanatochemistry: Estimation of Post Mortem Interval in Vitreous Humor. <i>Analytical Chemistry</i> , 2019, 91, 7025-7031.	3.2	18
35	Towards innovation in paper dating: a MicroNIR analytical platform and chemometrics. <i>Analyst</i> , The, 2018, 143, 4394-4399.	1.7	17
36	HCV Infection in Thalassemia Syndromes and Hemoglobinopathies: New Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 7.	1.6	17

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37	Mass spectrometry for evolved gas analysis: An update. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 87-116.	3.4	15
38	New methods for thalassemia screening: TGA/Chemometrics test is not influenced by the aging of blood samples. <i>Microchemical Journal</i> , 2019, 146, 374-380.	2.3	14
39	Hemorheological Alterations and Oxidative Damage in Sickle Cell Anemia. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 142.	1.6	14
40	Assessing the Quality of Milk Using a Multicomponent Analytical Platform MicroNIR/Chemometric. <i>Frontiers in Chemistry</i> , 2020, 8, 614718.	1.8	13
41	Thermal behavior, morphology and antibacterial properties study of silica/quercetin nanocomposite materials prepared by sol-gel route. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5337-5350.	2.0	13
42	Advances in thermoanalytical techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1299-1306.	2.0	12
43	Biomimetic complexes of Co(II), Mn(II), and Ni(II) with 2-propyl-4,5-imidazoledicarboxylic acid. EGA-MS characterization of the thermally induced decomposition. <i>Russian Journal of General Chemistry</i> , 2015, 85, 2374-2377.	0.3	11
44	MicroNIR/Chemometrics Assesment of Occupational Exposure to Hydroxyurea. <i>Frontiers in Chemistry</i> , 2018, 6, 228.	1.8	10
45	Biomimetic complexes of Cd(II), Mn(II), and Zn(II) with 2-aminomethylbenzimidazole. EGA/MS characterization of the thermally induced decomposition. <i>Russian Journal of General Chemistry</i> , 2017, 87, 300-304.	0.3	9
46	Determination of Mancozeb, a Pesticide Used Worldwide in Agriculture: Comparison among GC, LC, and CE. <i>Current Analytical Chemistry</i> , 2020, 16, 1041-1053.	0.6	8
47	Development of a "single-click" analytical platform for the detection of cannabinoids in hemp seed oil. <i>RSC Advances</i> , 2020, 10, 43394-43399.	1.7	8
48	Biomimetic complexes of Cd(II), Mn(II), and Zn(II) with 1,1-diaminobutane-Schiff base. EGA/MS study of the thermally induced decomposition. <i>Russian Journal of General Chemistry</i> , 2017, 87, 564-568.	0.3	7
49	Pregnancy in Thalassemia and Sickle Cell Disease: The Experience of an Italian Thalassemia Center. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 16.	1.6	7
50	Updating procedures in forensic chemistry: One step cyanoacrylate method to develop latent fingerprints and subsequent DNA profiling. <i>Microchemical Journal</i> , 2019, 147, 478-486.	2.3	6
51	The detection of cannabinoids in veterinary feeds by microNIR/chemometrics: a new analytical platform. <i>Analyst</i> , The, 2020, 145, 1777-1782.	1.7	6
52	Thermal, chemical and antimicrobial characterization of bioactive titania synthesized by sol-gel method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1767-1774.	2.0	6
53	Application of Innovative TGA/Chemometric Approach for Forensic Purposes: The Estimation of the Time since Death in Contaminated Specimens. <i>Diagnostics</i> , 2021, 11, 121.	1.3	6
54	A Rapid and Accurate Method for the Determination of Methylxanthines in Different Nervous System Stimulant Beverages. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 865-871.	0.7	5

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55	<p>A 3D-Printed Multi-Chamber Device Allows Culturing Cells On Buckypapers Coated With PAMAM Dendrimer And Obtain Innovative Materials For Biomedical Applications</p>. International Journal of Nanomedicine, 2019, Volume 14, 9295-9306.	3.3	5
56	Differential diagnosis of hereditary hemolytic anemias in a single multiscreening test by TGA/chemometrics. Chemical Communications, 2020, 56, 7557-7560.	2.2	5
57	An Innovative Multilevel Test for Hemoglobinopathies: TGA/Chemometrics Simultaneously Identifies and Classifies Sickle Cell Disease From Thalassemia. Frontiers in Molecular Biosciences, 2020, 7, 141.	1.6	4
58	Innovative screening test for the early detection of sickle cell anemia. Talanta, 2020, 219, 121243.	2.9	4
59	Synthesis, Structural, Morphological and Thermal Characterization of Five Different Silica-Polyethylene Glycol-Chlorogenic Acid Hybrid Materials. Polymers, 2021, 13, 1586.	2.0	4
60	On-Line Thermally Induced Evolved Gas Analysis: An Update"Part 1: EGA-MS. Molecules, 2022, 27, 3518.	1.7	4
61	Divalent Transition Metal Complexes of 2-(Pyridin-2-yl)imidazole: Evolved Gas Analysis Predicting Model to Provide Characteristic Coordination. Russian Journal of General Chemistry, 2017, 87, 2915-2921.	0.3	3
62	Modeling Solid State Stability for Speciation: A Ten-Year Long Study. Molecules, 2019, 24, 3013.	1.7	3
63	Editorial: Frontiers in Hemoglobinopathies: New Insights and Methods. Frontiers in Molecular Biosciences, 2021, 8, 632916.	1.6	3
64	TGA/Chemometric Test Is Able to Detect the Presence of a Rare Hemoglobin Variant Hb Bibba. Frontiers in Molecular Biosciences, 2019, 6, 101.	1.6	2
65	Development of a novel test for the identification of hereditary erythrocyte membrane defects by TGA/Chemometrics. Analyst, The, 2020, 145, 4452-4456.	1.7	2
66	Innovative Coating Technologies to Extend the Shelf Life of Fresh-Cut Fruits by Edible Film Materials. Key Engineering Materials, 2018, 789, 195-200.	0.4	1
67	Evaluation of Novel Strategies for Carbon Nanotube Functionalization by TGA/Chemometrics. Key Engineering Materials, 0, 885, 59-66.	0.4	1