

Roberta Risoluti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,103
citations

21
h-index

31
g-index

69
ext. papers

1,312
ext. citations

4.6
avg, IF

4.92
L-index

#	Paper	IF	Citations
65	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	4.1	4
64	On-Line Thermally Induced Evolved Gas Analysis: An Update Part 1: EGA-MS. <i>Molecules</i> , 2022 , 27, 3518	4.8	0
63	Application of Innovative TGA/Chemometric Approach for Forensic Purposes: The Estimation of the Time since Death in Contaminated Specimens. <i>Diagnostics</i> , 2021 , 11,	3.8	1
62	Development of a novel test for the identification of hereditary erythrocyte membrane defects by TGA/Chemometrics. <i>Analyst, The</i> , 2020 , 145, 4452-4456	5	1
61	Differential diagnosis of hereditary hemolytic anemias in a single multiscreening test by TGA/chemometrics. <i>Chemical Communications</i> , 2020 , 56, 7557-7560	5.8	4
60	TGA/Chemometrics addressing innovative preparation strategies for functionalized carbon nanotubes. <i>Journal of Pharmaceutical Analysis</i> , 2020 , 10, 351-355	14	6
59	HCV Infection in Thalassemia Syndromes and Hemoglobinopathies: New Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 7	5.6	8
58	Innovative screening test for the early detection of sickle cell anemia. <i>Talanta</i> , 2020 , 219, 121243	6.2	2
57	Pregnancy in Thalassemia and Sickle Cell Disease: The Experience of an Italian Thalassemia Center. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 16	5.6	3
56	Development of a "single-click" analytical platform for the detection of cannabinoids in hemp seed oil. <i>RSC Advances</i> , 2020 , 10, 43394-43399	3.7	1
55	Determination of Mancozeb, a Pesticide Used Worldwide in Agriculture: Comparison among GC, LC, and CE. <i>Current Analytical Chemistry</i> , 2020 , 16, 1041-1053	1.7	6
54	Monitoring of cannabinoids in hemp flours by MicroNIR/Chemometrics. <i>Talanta</i> , 2020 , 211, 120672	6.2	14
53	The detection of cannabinoids in veterinary feeds by microNIR/chemometrics: a new analytical platform. <i>Analyst, The</i> , 2020 , 145, 1777-1782	5	1
52	Assessing the Quality of Milk Using a Multicomponent Analytical Platform MicroNIR/Chemometric. <i>Frontiers in Chemistry</i> , 2020 , 8, 614718	5	5
51	An Innovative Multilevel Test for Hemoglobinopathies: TGA/Chemometrics Simultaneously Identifies and Classifies Sickle Cell Disease From Thalassemia. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 141	5.6	1
50	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	4.1	1
49	Real time detection of amphetamine in oral fluids by MicroNIR/Chemometrics. <i>Talanta</i> , 2020 , 208, 1204362	5.6	11

48	Protein Extraction, Enrichment and MALDI MS and MS/MS Analysis from Bitter Orange Leaves (. <i>Molecules</i> , 2020 , 25,	4.8	14
47	MicroNIR/Chemometrics: A new analytical platform for fast and accurate detection of 9-Tetrahydrocannabinol (THC) in oral fluids. <i>Drug and Alcohol Dependence</i> , 2019 , 205, 107578	4.9	10
46	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	4.8	10
45	Miniaturized analytical platform for cocaine detection in oral fluids by MicroNIR/Chemometrics. <i>Talanta</i> , 2019 , 202, 546-553	6.2	11
44	"2 Analytical Platform" To Update Procedures in Thanatochemistry: Estimation of Post Mortem Interval in Vitreous Humor. <i>Analytical Chemistry</i> , 2019 , 91, 7025-7031	7.8	14
43	"Lab-on-Click" Detection of Illicit Drugs in Oral Fluids by MicroNIR-Chemometrics. <i>Analytical Chemistry</i> , 2019 , 91, 6435-6439	7.8	15
42	Updating procedures in forensic chemistry: One step cyanoacrylate method to develop latent fingermarks and subsequent DNA profiling. <i>Microchemical Journal</i> , 2019 , 147, 478-486	4.8	5
41	Modeling Solid State Stability for Speciation: A Ten-Year Long Study. <i>Molecules</i> , 2019 , 24,	4.8	1
40	TGA/Chemometric Test Is Able to Detect the Presence of a Rare Hemoglobin Variant Hb Bibba. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 101	5.6	1
39	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	1.7	4
38	Hemorheological Alterations and Oxidative Damage in Sickle Cell Anemia. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 142	5.6	8
37	A 3D-Printed Multi-Chamber Device Allows Culturing Cells On Buckypapers Coated With PAMAM Dendrimer And Obtain Innovative Materials For Biomedical Applications. <i>International Journal of Nanomedicine</i> , 2019 , 14, 9295-9306	7.3	4
36	Mass spectrometry for evolved gas analysis: An update. <i>Applied Spectroscopy Reviews</i> , 2019 , 54, 87-116	4.5	10
35	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> , 2018 , 13, 1-18	7.3	17
34	Update on thalassemia diagnosis: New insights and methods. <i>Talanta</i> , 2018 , 183, 216-222	6.2	22
33	"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	7.8	42
32	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	4.1	20
31	Influence of the sebaceous gland density on the stratum corneum lipidome. <i>Scientific Reports</i> , 2018 , 8, 11500	4.9	16

30	Sol-Gel Synthesis, Spectroscopic and Thermal Behavior Study of SiO ₂ /PEG Composites Containing Different Amount of Chlorogenic Acid. <i>Polymers</i> , 2018 , 10,	4.5	35
29	MicroNIR/Chemometrics Assesment of Occupational Exposure to Hydroxyurea. <i>Frontiers in Chemistry</i> , 2018 , 6, 228	5	7
28	Advances in thermoanalytical techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 1299-1306	4.6	11
27	Extraction, Purification, and Determination by HPLC of Quercetin in Some Italian Wines. <i>Food Analytical Methods</i> , 2018 , 11, 3558-3562	3.4	10
26	Towards innovation in paper dating: a MicroNIR analytical platform and chemometrics. <i>Analyst, The</i> , 2018 , 143, 4394-4399	5	12
25	"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	3.5	16
24	Innovative Coating Technologies to Extend the Shelf Life of Fresh-Cut Fruits by Edible Film Materials. <i>Key Engineering Materials</i> , 2018 , 789, 195-200	0.4	1
23	FTIR-evolved gas analysis in recent thermoanalytical investigations. <i>Applied Spectroscopy Reviews</i> , 2017 , 52, 39-72	4.5	39
22	Cocaine profiling: Implementation of a predictive model by ATR-FTIR coupled with chemometrics in forensic chemistry. <i>Talanta</i> , 2017 , 166, 328-335	6.2	45
21	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	0.7	7
20	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	0.7	6
19	New frontiers in thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 130, 549-557	4.1	26
18	High-throughput prediction of AKB48 in emerging illicit products by NIR spectroscopy and chemometrics. <i>Microchemical Journal</i> , 2017 , 134, 277-283	4.8	42
17	New insights in forensic chemistry: NIR/Chemometrics analysis of toners for questioned documents examination. <i>Talanta</i> , 2017 , 174, 673-678	6.2	47
16	Divalent Transition Metal Complexes of 2-(Pyridin-2-yl)imidazole: Evolved Gas Analysis Predicting Model to Provide Characteristic Coordination. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 2915-2921	0.7	2
15	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	4.1	33
14	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	6	40
13	Early detection of emerging street drugs by near infrared spectroscopy and chemometrics. <i>Talanta</i> , 2016 , 153, 407-13	6.2	52

12	Thermogravimetric analysis coupled with chemometrics as a powerful predictive tool for β -thalassemia screening. <i>Talanta</i> , 2016 , 159, 425-432	6.2	42
11	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, 2373-82		39
10	EGAMS 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	2.9	41
9	Field detection capability of immunochemical assays during criminal investigations involving the use of TNT. <i>Forensic Science International</i> , 2015 , 246, 25-30	2.6	26
8	Biomimetic complexes of Co(II), Mn(II), and Ni(II) with 2-propyl-4,5-imidazoledicarboxylic acid. EGAMS characterization of the thermally induced decomposition. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2374-2377	0.7	7
7	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	4.8	34
6	Thermogravimetric characterization of dark chocolate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 116, 93-98	4.1	39
5	Evolved Gas Analysis by Mass Spectrometry. <i>Applied Spectroscopy Reviews</i> , 2014 , 49, 635-665	4.5	42
4	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	1.9	32
3	Biomimetic complexes of divalent cobalt and zinc with N-heterocyclic dicarboxylic ligands. <i>Thermochimica Acta</i> , 2014 , 580, 7-12	2.9	29
2	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, 132-7	6.6	47
1	Evaluation of Novel Strategies for Carbon Nanotube Functionalization by TGA/Chemometrics. <i>Key Engineering Materials</i> , 2010 , 885, 59-66	0.4	1