Rosita Russo

List of Publications by Year
in descending order

63	1,061	430754	526166
papers	citations	18 h-index	27 g-index

65	65	65	1565
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence comparison and phylogenetic analysis by the Maximum Likelihood method of ribosome-inactivating proteins from angiosperms. Plant Molecular Biology, 2014, 85, 575-588.	2.0	76
2	Therapeutic Perspectives of Molecules from Urtica dioica Extracts for Cancer Treatment. Molecules, 2019, 24, 2753.	1.7	54
3	Cystatin B Involvement in Synapse Physiology of Rodent Brains and Human Cerebral Organoids. Frontiers in Molecular Neuroscience, 2019, 12, 195.	1.4	47
4	RIP1â€“HAT1â€“SIRT Complex Identification and Targeting in Treatment and Prevention of Cancer. Clinical Cancer Research, 2018, 24, 2886-2900.	3.2	40
5	Detection of buffalo mozzarella adulteration by an ultraâ€high performance liquid chromatography tandem mass spectrometry methodology. Journal of Mass Spectrometry, 2012, 47, 1407-1414.	0.7	39
6	Biological and antipathogenic activities of ribosome-inactivating proteins from Phytolacca dioica L.. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1256-1264.	1.1	38
7	Interactome mapping defines BRG1, a component of the SWI/SNF chromatin remodeling complex, as a new partner of the transcriptional regulator CTCF. Journal of Biological Chemistry, 2019, 294, 861-873.	1.6	38
8	TRF2 positively regulates SULF2 expression increasing VEGF-A release and activity in tumor microenvironment. Nucleic Acids Research, 2019, 47, 3365-3382.	6.5	34
9	Metabolomic approach for a rapid identification of natural products with cytotoxic activity against human colorectal cancer cells. Scientific Reports, 2018, 8, 5309.	1.6	33
10	Cystatin B is essential for proliferation and interneuron migration in individuals with <scp>EPM</scp> 1 epilepsy. EMBO Molecular Medicine, 2020, 12, e11419.	3.3	32
11	Phosphoproteomic analysis sheds light on intracellular signaling cascades triggered by Formyl-Peptide Receptor 2. Scientific Reports, 2019, 9, 17894.	1.6	31
12	Structural and biochemical insights of CypA and AIF interaction. Scientific Reports, 2017, 7, 1138.	1.6	24
13	Novel bioactive peptides from PD-L1/2, a type 1 ribosome inactivating protein from Phytolacca dioica L. Evaluation of their antimicrobial properties and anti-biofilm activities. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1425-1435.	1.4	24
14	Mass spectrometry-based protein and peptide profiling for food frauds, traceability and authenticity assessment. Food Chemistry, 2021, 365, 130456.	4.2	23
15	Highlighting the effects of coumarin on adult plants of Arabidopsis thaliana (L.) Heynh. by an integrated -omic approach. Journal of Plant Physiology, 2017, 213, 30-41.	1.6	22
16	Ageritin from Pioppino Mushroom: The Prototype of Ribotoxin-Like Proteins, a Novel Family of Specific Ribonucleases in Edible Mushrooms. Toxins, 2021, 13, 263.	1.5	22
17	Switchable Protecting Strategy for Solid Phase Synthesis of DNA and RNA Interacting Nucleopeptides. Journal of Organic Chemistry, 2016, 81, 11612-11625.	1.7	21
18	Probing the interaction interface of the GADD45Î²/MKK7 and MKK7/DTP3 complexes by chemical cross-linking mass spectrometry. International Journal of Biological Macromolecules, 2018, 114, 114-123.	3.6	21

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19	Rapid detection of water buffalo ricotta adulteration or contamination by matrixâ€assisted laser desorption/ionisation timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 497-503.	0.7	19
20	Structural and enzymatic properties of Ageritin, a novel metal-dependent ribotoxin-like protein with antitumor activity. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2888-2894.	1.1	18
21	Structural insights into nucleotide and protein sequence of Ageritin: a novel prototype of fungal ribotoxin. Journal of Biochemistry, 2019, 165, 415-422.	0.9	18
22	A targeted secretome profiling by multiplexed immunoassay revealed that secreted chemokine ligand 2 (MCP-1/CCL2) affects neural differentiation in mesencephalic neural progenitor cells. Proteomics, 2015, 15, 714-724.	1.3	17
23	Ruta graveolens water extract inhibits cell-cell network formation in human umbilical endothelial cells via MEK-ERK1/2 pathway. Experimental Cell Research, 2018, 364, 50-58.	1.2	16
24	The striatal-enriched protein Rhes is a critical modulator of cocaine-induced molecular and behavioral responses. Scientific Reports, 2019, 9, 15294.	1.6	16
25	The Growth Differentiation Factor 11 is Involved in Skin Fibroblast Ageing and is Induced by a Preparation of Peptides and Sugars Derived from Plant Cell Cultures. Molecular Biotechnology, 2019, 61, 209-220.	1.3	16
26	The ribotoxin-like protein Ostreatin from Pleurotus ostreatus fruiting bodies: Confirmation of a novel ribonuclease family expressed in basidiomycetes. International Journal of Biological Macromolecules, 2020, 161, 1329-1336.	3.6	16
27	Ultraâ€high performance liquid chromatography tandem mass spectrometry for the detection of durum wheat contamination or adulteration. Journal of Mass Spectrometry, 2014, 49, 1239-1246.	0.7	15
28	Physiological characterization and quantitative proteomic analyses of metabolically engineered E. coli K4 strains with improved pathways for capsular polysaccharide biosynthesis. Biotechnology and Bioengineering, 2018, 115, 1801-1814.	1.7	15
29	Macrophage Migration Inhibitory Factor Is a Molecular Determinant of the Anti-EGFR Monoclonal Antibody Cetuximab Resistance in Human Colorectal Cancer Cells. Cancers, 2019, 11, 1430.	1.7	15
30	Spectroscopic Characterization and Cytotoxicity Assessment towards Human Colon Cancer Cell Lines of Acylated Cycloartane Glycosides from Astragalus boeticus L.. Molecules, 2019, 24, 1725.	1.7	15
31	Differential Secretome Profiling of Human Osteoarthritic Synoviocytes Treated with Biotechnological Unsulfated and Marine Sulfated Chondroitins. International Journal of Molecular Sciences, 2020, 21, 3746.	1.8	15
32	Molecular characterization of myoglobin from Sciurus vulgaris meridionalis : Primary structure, kinetics and spectroscopic studies. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 499-509.	1.1	14
33	Exploring the Interaction between the SWI/SNF Chromatin Remodeling Complex and the Zinc Finger Factor CTCF. International Journal of Molecular Sciences, 2020, 21, 8950.	1.8	14
34	Reliable identification of lactic acid bacteria by targeted and untargeted high-resolution tandem mass spectrometry. Food Chemistry, 2019, 285, 111-118.	4.2	13
35	Secretome profiling of cytokines and growth factors reveals that neuro-glial differentiation is associated with the down-regulation of Chemokine Ligand 2 (MCP-1/CCL2) in amniotic fluid derived-mesenchymal progenitor cells. Proteomics, 2016, 16, 674-688.	1.3	12
36	Ribotoxin-like proteins from Boletus edulis: structural properties, cytotoxicity and in vitro digestibility. Food Chemistry, 2021, 359, 129931.	4.2	12

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37	Phytochemical investigation and antimicrobial assessment of Bellis sylvestris leaves. Phytochemistry Letters, 2016, 17, 6-13.	0.6	10
38	Cationic nucleopeptides as novel non-covalent carriers for the delivery of peptide nucleic acid (PNA) and RNA oligomers. Bioorganic and Medicinal Chemistry, 2018, 26, 2539-2550.	1.4	10
39	Investigation of the Stereochemical-Dependent DNA and RNA Binding of Arginine-Based Nucleopeptides. Symmetry, 2019, 11, 567.	1.1	10
40	Immunological effects of adjuvants in subsets of antigen presenting cells of cancer patients undergoing chemotherapy. Journal of Translational Medicine, 2020, 18, 34.	1.8	10
41	Muskox myoglobin: purification, characterization and kinetics studies compared with cattle and water buffalo myoglobins. Journal of the Science of Food and Agriculture, 2019, 99, 6278-6286.	1.7	9
42	Gene Organization, Expression, and Localization of Ribotoxin-Like Protein Ageritin in Fruiting Body and Mycelium of Agrocybe aegerita. International Journal of Molecular Sciences, 2020, 21, 7158.	1.8	9
43	The Structural Characterization and Antipathogenic Activities of Quinoin, a Type 1 Ribosome-Inactivating Protein from Quinoa Seeds. International Journal of Molecular Sciences, 2021, 22, 8964.	1.8	9
44	Insights into the Interaction Mechanism of DTP3 with MKK7 by Using STD-NMR and Computational Approaches. Biomedicines, 2021, 9, 20.	1.4	9
45	Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. Peptides, 2017, 89, 50-59.	1.2	8
46	Effect of an additional N-terminal methionyl residue on enzymatic and antifungal activities of Ageritin purified from Agrocybe aegerita fruiting bodies. International Journal of Biological Macromolecules, 2020, 155, 1226-1235.	3.6	8
47	The Pan-Sirtuin Inhibitor MC2494 Regulates Mitochondrial Function in a Leukemia Cell Line. Frontiers in Oncology, 2020, 10, 820.	1.3	8
48	Chemical Characterization and Anti-HIV-1 Activity Assessment of Iridoids and Flavonols from Scrophularia trifoliata. Molecules, 2021, 26, 4777.	1.7	8
49	Myoglobin from common pheasant (Phasianus colchicus L.): Purification and primary structure characterization. Journal of Food Biochemistry, 2018, 42, e12477.	1.2	7
50	Deciphering Molecular Determinants Underlying Penicillium digitatumâ€™s Response to Biological and Chemical Antifungal Agents by Tandem Mass Tag (TMT)-Based High-Resolution LC-MS/MS. International Journal of Molecular Sciences, 2022, 23, 680.	1.8	7
51	Cannabidiolic acid in Hemp Seed Oil Table Spoon and Beyond. Molecules, 2022, 27, 2566.	1.7	7
52	Development of a New Highly Selective Monoclonal Antibody against Preferentially Expressed Antigen in Melanoma (PRAME) and Identification of the Target Epitope by Bio-Layer Interferometry. International Journal of Molecular Sciences, 2021, 22, 3166.	1.8	6
53	Structural characterization of dioicin 1 from Phytolacca dioica L. gains novel insights into phylogenetic relationships of Phytolaccaceae type 1 RIPs. Biochemical and Biophysical Research Communications, 2015, 463, 732-738.	1.0	5
54	Insight into the structural and functional features of myoglobin from Hystrix cristata L. and Rangifer tarandus L.. RSC Advances, 2015, 5, 26388-26401.	1.7	4

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55	Nutritional profiling of Eurasian woodcock meat: chemical composition and myoglobin characterization. Journal of the Science of Food and Agriculture, 2018, 98, 5120-5128.	1.7	4
56	A multianalytical approach to investigate the effect of nanofiltration on plasma-derived factor IX clinical lots. Analytical Biochemistry, 2018, 542, 1-10.	1.1	3
57	A haem-peroxidase from the seeds of Araujia sericifera: Characterization and use as bio-tool to remove phenol from aqueous solutions. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101215.	1.5	3
58	ZBTB2 protein is a new partner of the Nucleosome Remodeling and Deacetylase (NuRD) complex. International Journal of Biological Macromolecules, 2021, 168, 67-76.	3.6	2
59	Ca2+ as activator of pseudoperoxidase activity of pigeon, Eurasian woodcock and chicken myoglobins: New features for meat preservation studies. Food Chemistry, 2021, 363, 130234.	4.2	2
60	Correlation of structure, function and protein dynamics in myoglobins from Eurasian woodcock, chicken and ostrich. Journal of Biomolecular Structure and Dynamics, 2021, 39, 851-866.	2.0	2
61	Myoglobin from Atlantic and Tinker mackerels: Purification, characterization and its possible use as a molecular marker. International Journal of Biological Macromolecules, 2022, 214, 459-469.	3.6	2
62	Investigating the oxidative refolding mechanism of Cripto-1 CFC domain. International Journal of Biological Macromolecules, 2019, 137, 1179-1189.	3.6	1
63	Environment-Sensitive Fluorescent Labelling of Peptides by Luciferin Analogues. International Journal of Molecular Sciences, 2021, 22, 13312.	1.8	1