

Rosita Russo

List of Publications by Year in descending order

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63
papers

1,061
citations

430874

18
h-index

526287

27
g-index

65
all docs

65
docs citations

65
times ranked

1565
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence comparison and phylogenetic analysis by the Maximum Likelihood method of ribosome-inactivating proteins from angiosperms. <i>Plant Molecular Biology</i> , 2014, 85, 575-588.	3.9	76
2	Therapeutic Perspectives of Molecules from <i>Urtica dioica</i> Extracts for Cancer Treatment. <i>Molecules</i> , 2019, 24, 2753.	3.8	54
3	Cystatin B Involvement in Synapse Physiology of Rodent Brains and Human Cerebral Organoids. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 195.	2.9	47
4	RIP1â€“HAT1â€“SIRT Complex Identification and Targeting in Treatment and Prevention of Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 2886-2900.	7.0	40
5	Detection of buffalo mozzarella adulteration by an ultraâ€“high performance liquid chromatography tandem mass spectrometry methodology. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1407-1414.	1.6	39
6	Biological and antipathogenic activities of ribosome-inactivating proteins from <i>Phytolacca dioica</i> L.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1256-1264.	2.4	38
7	Interactome mapping defines BRC1, a component of the SWI/SNF chromatin remodeling complex, as a new partner of the transcriptional regulator CTCF. <i>Journal of Biological Chemistry</i> , 2019, 294, 861-873.	3.4	38
8	TRF2 positively regulates SULF2 expression increasing VEGF-A release and activity in tumor microenvironment. <i>Nucleic Acids Research</i> , 2019, 47, 3365-3382.	14.5	34
9	Metabolomic approach for a rapid identification of natural products with cytotoxic activity against human colorectal cancer cells. <i>Scientific Reports</i> , 2018, 8, 5309.	3.3	33
10	Cystatin B is essential for proliferation and interneuron migration in individuals with <sc>EPM</sc> 1 epilepsy. <i>EMBO Molecular Medicine</i> , 2020, 12, e11419.	6.9	32
11	Phosphoproteomic analysis sheds light on intracellular signaling cascades triggered by Formyl-Peptide Receptor 2. <i>Scientific Reports</i> , 2019, 9, 17894.	3.3	31
12	Structural and biochemical insights of CypA and AIF interaction. <i>Scientific Reports</i> , 2017, 7, 1138.	3.3	24
13	Novel bioactive peptides from PD-L1/2, a type 1 ribosome inactivating protein from <i>Phytolacca dioica</i> L. Evaluation of their antimicrobial properties and anti-biofilm activities. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1425-1435.	2.6	24
14	Mass spectrometry-based protein and peptide profiling for food frauds, traceability and authenticity assessment. <i>Food Chemistry</i> , 2021, 365, 130456.	8.2	23
15	Highlighting the effects of coumarin on adult plants of <i>Arabidopsis thaliana</i> (L.) Heynh. by an integrated -omic approach. <i>Journal of Plant Physiology</i> , 2017, 213, 30-41.	3.5	22
16	Ageritin from Pioppino Mushroom: The Prototype of Ribotoxin-Like Proteins, a Novel Family of Specific Ribonucleases in Edible Mushrooms. <i>Toxins</i> , 2021, 13, 263.	3.4	22
17	Switchable Protecting Strategy for Solid Phase Synthesis of DNA and RNA Interacting Nucleopeptides. <i>Journal of Organic Chemistry</i> , 2016, 81, 11612-11625.	3.2	21
18	Probing the interaction interface of the GADD45 ² /MKK7 and MKK7/DTP3 complexes by chemical cross-linking mass spectrometry. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 114-123.	7.5	21

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19	Rapid detection of water buffalo ricotta adulteration or contamination by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 497-503.	1.5	19
20	Structural and enzymatic properties of Ageritin, a novel metal-dependent ribotoxin-like protein with antitumor activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2888-2894.	2.4	18
21	Structural insights into nucleotide and protein sequence of Ageritin: a novel prototype of fungal ribotoxin. <i>Journal of Biochemistry</i> , 2019, 165, 415-422.	1.7	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. <i>Proteomics</i> , 2015, 15, 714-724.	2.2	17
23	Ruta graveolens water extract inhibits cell-cell network formation in human umbilical endothelial cells via MEK-ERK1/2 pathway. <i>Experimental Cell Research</i> , 2018, 364, 50-58.	2.6	16
24	The striatal-enriched protein Rhos is a critical modulator of cocaine-induced molecular and behavioral responses. <i>Scientific Reports</i> , 2019, 9, 15294.	3.3	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. <i>Molecular Biotechnology</i> , 2019, 61, 209-220.	2.4	16
26	The ribotoxin-like protein Ostreatin from <i>Pleurotus ostreatus</i> fruiting bodies: Confirmation of a novel ribonuclease family expressed in basidiomycetes. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1329-1336.	7.5	16
27	Ultra-high performance liquid chromatography tandem mass spectrometry for the detection of durum wheat contamination or adulteration. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1239-1246.	1.6	15
28	Physiological characterization and quantitative proteomic analyses of metabolically engineered <i>E. coli</i> K4 strains with improved pathways for capsular polysaccharide biosynthesis. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1801-1814.	3.3	15
29	Macrophage Migration Inhibitory Factor Is a Molecular Determinant of the Anti-EGFR Monoclonal Antibody Cetuximab Resistance in Human Colorectal Cancer Cells. <i>Cancers</i> , 2019, 11, 1430.	3.7	15
30	Spectroscopic Characterization and Cytotoxicity Assessment towards Human Colon Cancer Cell Lines of Acylated Cycloartane Glycosides from <i>Astragalus boeticus</i> L.. <i>Molecules</i> , 2019, 24, 1725.	3.8	15
31	Differential Secretome Profiling of Human Osteoarthritic Synoviocytes Treated with Biotechnological Unsulfated and Marine Sulfated Chondroitins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3746.	4.1	15
32	Molecular characterization of myoglobin from <i>Sciurus vulgaris meridionalis</i> : Primary structure, kinetics and spectroscopic studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 499-509.	2.3	14
33	Exploring the Interaction between the SWI/SNF Chromatin Remodeling Complex and the Zinc Finger Factor CTCF. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8950.	4.1	14
34	Reliable identification of lactic acid bacteria by targeted and untargeted high-resolution tandem mass spectrometry. <i>Food Chemistry</i> , 2019, 285, 111-118.	8.2	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. <i>Proteomics</i> , 2016, 16, 674-688.	2.2	12
36	Ribotoxin-like proteins from <i>Boletus edulis</i> : structural properties, cytotoxicity and in vitro digestibility. <i>Food Chemistry</i> , 2021, 359, 129931.	8.2	12

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37	Phytochemical investigation and antimicrobial assessment of <i>Bellis sylvestris</i> leaves. <i>Phytochemistry Letters</i> , 2016, 17, 6-13.	1.2	10
38	Cationic nucleopeptides as novel non-covalent carriers for the delivery of peptide nucleic acid (PNA) and RNA oligomers. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2539-2550.	3.0	10
39	Investigation of the Stereochemical-Dependent DNA and RNA Binding of Arginine-Based Nucleopeptides. <i>Symmetry</i> , 2019, 11, 567.	2.2	10
40	Immunological effects of adjuvants in subsets of antigen presenting cells of cancer patients undergoing chemotherapy. <i>Journal of Translational Medicine</i> , 2020, 18, 34.	4.4	10
41	Muskox myoglobin: purification, characterization and kinetics studies compared with cattle and water buffalo myoglobins. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 6278-6286.	3.5	9
42	Gene Organization, Expression, and Localization of Ribotoxin-Like Protein Ageritin in Fruiting Body and Mycelium of <i>Agrocybe aegerita</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7158.	4.1	9
43	The Structural Characterization and Antipathogenic Activities of Quinoin, a Type 1 Ribosome-Inactivating Protein from Quinoa Seeds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8964.	4.1	9
44	Insights into the Interaction Mechanism of DTP3 with MKK7 by Using STD-NMR and Computational Approaches. <i>Biomedicines</i> , 2021, 9, 20.	3.2	9
45	Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. <i>Peptides</i> , 2017, 89, 50-59.	2.4	8
46	Effect of an additional N-terminal methionyl residue on enzymatic and antifungal activities of Ageritin purified from <i>Agrocybe aegerita</i> fruiting bodies. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 1226-1235.	7.5	8
47	The Pan-Sirtuin Inhibitor MC2494 Regulates Mitochondrial Function in a Leukemia Cell Line. <i>Frontiers in Oncology</i> , 2020, 10, 820.	2.8	8
48	Chemical Characterization and Anti-HIV-1 Activity Assessment of Iridoids and Flavonols from <i>Scrophularia trifoliata</i> . <i>Molecules</i> , 2021, 26, 4777.	3.8	8
49	Myoglobin from common pheasant (<i>Phasianus colchicus</i> L.): Purification and primary structure characterization. <i>Journal of Food Biochemistry</i> , 2018, 42, e12477.	2.9	7
50	Deciphering Molecular Determinants Underlying <i>Penicillium digitatum</i> 's Response to Biological and Chemical Antifungal Agents by Tandem Mass Tag (TMT)-Based High-Resolution LC-MS/MS. <i>International Journal of Molecular Sciences</i> , 2022, 23, 680.	4.1	7
51	Cannabidiolic acid in Hemp Seed Oil Table Spoon and Beyond. <i>Molecules</i> , 2022, 27, 2566.	3.8	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. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3166.	4.1	6
53	Structural characterization of dioicin 1 from <i>Phytolacca dioica</i> L. gains novel insights into phylogenetic relationships of Phytolaccaceae type 1 RIPs. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 732-738.	2.1	5
54	Insight into the structural and functional features of myoglobin from <i>Hystrix cristata</i> L. and <i>Rangifer tarandus</i> L.. <i>RSC Advances</i> , 2015, 5, 26388-26401.	3.6	4

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55	Nutritional profiling of Eurasian woodcock meat: chemical composition and myoglobin characterization. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5120-5128.	3.5	4
56	A multianalytical approach to investigate the effect of nanofiltration on plasma-derived factor IX clinical lots. <i>Analytical Biochemistry</i> , 2018, 542, 1-10.	2.4	3
57	A haem-peroxidase from the seeds of <i>Araujia sericifera</i> : Characterization and use as bio-tool to remove phenol from aqueous solutions. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101215.	3.1	3
58	ZBTB2 protein is a new partner of the Nucleosome Remodeling and Deacetylase (NuRD) complex. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 67-76.	7.5	2
59	Ca ²⁺ as activator of pseudoperoxidase activity of pigeon, Eurasian woodcock and chicken myoglobins: New features for meat preservation studies. <i>Food Chemistry</i> , 2021, 363, 130234.	8.2	2
60	Correlation of structure, function and protein dynamics in myoglobins from Eurasian woodcock, chicken and ostrich. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 851-866.	3.5	2
61	Myoglobin from Atlantic and Tinker mackerels: Purification, characterization and its possible use as a molecular marker. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 459-469.	7.5	2
62	Investigating the oxidative refolding mechanism of Cripto-1 CFC domain. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 1179-1189.	7.5	1
63	Environment-Sensitive Fluorescent Labelling of Peptides by Luciferin Analogues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13312.	4.1	1