Tomas Girbes

List of Publications by Year
in descending order

93 papers	2,255 citations	201575 27 h-index	254106 43 g-index
94 all docs	94 docs citations	94 times ranked	1092 citing authors

#	Article	IF	Citations
1	Description, Distribution, Activity and Phylogenetic Relationship of Ribosome-Inactivating Proteins in Plants, Fungi and Bacteria. Mini-Reviews in Medicinal Chemistry, 2004, 4, 461-476.	1.1	182
2	Distribution and properties of major ribosome-inactivating proteins (28 S rRNA N-glycosidases) of the plant Saponaria officinalis L. (Caryophyllaceae). Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 31-42.	2.4	102
3	2.8-Ã... crystal structure of a nontoxic type-II ribosome-inactivating protein, ebulin l. Proteins: Structure, Function and Bioinformatics, 2001, 43, 319-326.	1.5	84
4	Isolation and partial characterization of nigrin b, a non-toxic novel type 2 ribosome-inactivating protein from the bark ofSambucus nigra L.. Plant Molecular Biology, 1993, 22, 1181-1186.	2.0	78
5	RIP for viruses. Nature, 1996, 379, 777-778.	13.7	72
6	Molecular characterization and systemic induction of single-chain ribosome-inactivating proteins (RIPs) in sugar beet (Beta vulgaris) leaves. Journal of Experimental Botany, 2005, 56, 1675-1684.	2.4	72
7	Enzymatic activity of toxic and non-toxic type 2 ribosome-inactivating proteins. FEBS Letters, 2004, 563, 219-222.	1.3	69
8	Toxicity and cytotoxicity of nigrin b, a two-chain ribosome-inactivating protein from Sambucus nigra â€Š: comparison with ricin. Archives of Toxicology, 1997, 71, 360-364.	1.9	65
9	Use of Ribosome-Inactivating Proteins from Sambucus for the Construction of Immunotoxins and Conjugates for Cancer Therapy. Toxins, 2011, 3, 420-441.	1.5	59
10	Primary Structure of omega-Hordothionin, a Member of a Novel Family of Thionins from Barley Endosperm, and Its Inhibition of Protein Synthesis in Eukaryotic and Prokaryotic Cell-Free Systems. FEBS Journal, 1996, 239, 67-73.	0.2	54
11	Targeting cancer cells with transferrin conjugates containing the non-toxic type 2 ribosome-inactivating proteins nigrin b or ebulin l. Cancer Letters, 2002, 184, 29-35.	3.2	51
12	Interaction of volkensin with HeLa cells: binding, uptake, intracellular localization, degradation and exocytosis. Cellular and Molecular Life Sciences, 2004, 61, 1975-1984.	2.4	50
13	Polypeptide-Chain Elongation Promoted by Guanyl-5'-yl Imidodiphosphate. FEBS Journal, 1976, 67, 257-264.	0.2	42
14	Ribosomal translocation promoted by guanylylimido diphosphate and guanylyl-methylene diphosphonate. FEBS Letters, 1975, 60, 109-113.	1.3	36
15	Bifunctional plant defence enzymes with chitinase and ribosome inactivating activities from Trichosanthes kirilowii cell cultures. Plant Science, 1997, 130, 145-150.	1.7	36
16	Acute effects of ethanol in the control of protein synthesis in isolated rat liver cells. Archives of Biochemistry and Biophysics, 1983, 226, 37-49.	1.4	35
17	Molecular mechanism of inhibition of mammalian protein synthesis by some four-chain agglutinins. FEBS Letters, 1993, 329, 59-62.	1.3	35
18	Presence of polymerized and free forms of the non-toxic type 2 ribosome-inactivating protein ebulin and a structurally related new homodimeric lectin in fruits of Sambucus ebulus L.. Planta, 1998, 204, 310-317.	1.6	35

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19	Sensitivity of cancer cell lines to the novel non-toxic type 2 ribosome-inactivating protein nigrin b. Cancer Letters, 2001, 167, 163-169.	3.2	35
20	Elderberry (Sambucus Nigra) Bark Contains two Structurally Different Neusac(alpha2,6)Gal/Galnac-Binding Type 2 Ribosome-Inactivating Proteins. FEBS Journal, 1997, 245, 648-655.	0.2	34
21	Targeting a marker of the tumour neovasculature using a novel anti-human CD105-immunotoxin containing the non-toxic type 2 ribosome-inactivating protein nigrin b. Cancer Letters, 2007, 256, 73-80.	3.2	34
22	Effects of Short-term Heating on Total Polyphenols, Anthocyanins, Antioxidant Activity and Lectins of Different Parts of Dwarf Elder (Sambucus ebulus L.). Plant Foods for Human Nutrition, 2014, 69, 168-174.	1.4	34
23	Cusativin, a new cytidine-specific ribonuclease accumulated in seeds of Cucumis sativus L.. Planta, 1994, 194, 328-338.	1.6	33
24	Ebulitins: A new family of type 1 ribosome-inactivating proteins (rRNAN-glycosidases) from leaves ofSambucus ebulusL. that coexist with the type 2 ribosome-inactivating protein ebulin 1. FEBS Letters, 1995, 360, 299-302.	1.3	33
25	Elderberry (Sambucus nigraL.) seed proteins inhibit protein synthesis and display strong immunoreactivity with rabbit polyclonal antibodies raised against the type 2 ribosome-inactivating protein nigrin b. Journal of Experimental Botany, 1994, 45, 513-516.	2.4	32
26	Elderberries: A Source of Ribosome-Inactivating Proteins with Lectin Activity. Molecules, 2015, 20, 2364-2387.	1.7	32
27	Isolation and partial characterization of a new ribosome-inactivating protein from Petrocoptis glaucifolia (Lag.) Boiss. Planta, 1992, 186, 532-40.	1.6	30
28	[27] Preparation and assay of purified Escherichia coli polysomes devoid of free ribosomal subunits and endogenous GTPase activities. Methods in Enzymology, 1979, 59, 353-362.	0.4	29
29	Isolation and characterization of a new non-toxic two-chain ribosome-inactivating protein from fruits of elder (Sambucus nigraL.). Journal of Experimental Botany, 1996, 47, 1577-1585.	2.4	29
30	Cytotoxicity of an Ebulin l-Anti-Human CD105 Immunotoxin on Mouse Fibroblasts (L929) and Rat Myoblasts (L6E9) Cells Expressing Human CD105. Medicinal Chemistry, 2005, 1, 65-71.	0.7	29
31	Ebulin from Dwarf Elder (Sambucus ebulus L.): A Mini-Review. Toxins, 2015, 7, 648-658.	1.5	27
32	Endotoxins from a Pharmacopoeial Point of View. Toxins, 2018, 10, 331.	1.5	27
33	Isolation, cDNA Cloning, Biological Properties, and Carbohydrate Binding Specificity of Sieboldin-b, a Type II Ribosome-Inactivating Protein from the Bark of Japanese Elderberry (Sambucus sieboldiana). Archives of Biochemistry and Biophysics, 1997, 340, 185-194.	1.4	26
34	Constitutive and inducible type 1 ribosome-inactivating proteins (RIPs) in elderberry (Sambucus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.3	26
35	Differences in Cytotoxicity of Native and Engineered RIPs Can Be Used to Assess Their Ability to Reach the Cytoplasm. Biochemical and Biophysical Research Communications, 1998, 249, 637-642.	1.0	26
36	Specific dose-dependent damage of LieberkÃ¼hn crypts promoted by large doses of type 2 ribosome-inactivating protein nigrin b intravenous injection to mice. Toxicology and Applied Pharmacology, 2005, 207, 138-146.	1.3	25

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37	Elicitor-dependent expression of the ribosome-inactivating protein beetin is developmentally regulated*. Journal of Experimental Botany, 2008, 59, 1215-1223.	2.4	25
38	In vitro and in vivo effects of an anti-mouse endoglin (CD105)â€“immunotoxin on the early stages of mouse B16MEL4A5 melanoma tumours. Cancer Immunology, Immunotherapy, 2013, 62, 541-551.	2.0	25
39	Fusidic acid-dependent ribosomal complexes protect Escherichia coli ribosomes from the action of the type 1 ribosome-inactivating protein crotin 2. FEBS Letters, 1993, 318, 189-192.	1.3	22
40	Molecular action of the type 1 ribosome-inactivating protein saporin 5 onVicia sativaribosomes. FEBS Letters, 1993, 325, 291-294.	1.3	22
41	Analysis of Human Ocular Mucus. Cornea, 1998, 17, 200-207.	0.9	22
42	Plant Species Containing Inhibitors of Eukaryotic Polypeptide Synthesis. Journal of Experimental Botany, 1990, 41, 67-70.	2.4	21
43	Differential sensitivity of d-galactose-binding lectins from fruits of dwarf elder (Sambucus ebulus L.) to a simulated gastric fluid. Food Chemistry, 2013, 136, 794-802.	4.2	21
44	Sialic acid-binding dwarf elder four-chain lectin displays nucleic acid N-glycosidase activity. Biochimie, 2010, 92, 71-80.	1.3	20
45	Effect of the chronic ethanol action on the activity of the general amino-acid permease from Saccharomyces cerevisiae var. ellipsoideus. Biochimica Et Biophysica Acta - Biomembranes, 1989, 979, 375-377.	1.4	19
46	Isolation and partial characterization of a novel and uncommon two-chain 64-kDa ribosome-inactivating protein from the bark of elder (Sambucus nigraL.). FEBS Letters, 1997, 413, 85-91.	1.3	19
47	cDNA molecular cloning and seasonal acumulation of an ebulin l-related dimeric lectin of dwarf elder (Sambucus ebulus L.) leaves. International Journal of Biochemistry and Cell Biology, 2003, 35, 1061-1065.	1.2	18
48	Preparation and Optimization of a Cell-free Translation System fromVicia sativaGerm Lacking Ribosome-inactivating Protein Activity. Journal of Experimental Botany, 1992, 43, 729-737.	2.4	17
49	Isolation and Molecular Characterization of Two Lectins from Dwarf Elder (Sambucus ebulus L.) Blossoms Related to the Sam n1 Allergen. Toxins, 2013, 5, 1767-1779.	1.5	16
50	Isolation and characterization of two new N-glycosidase type-1 ribosome-inactivating proteins, unrelated in amino-acid sequence, from Petrocoptis species. Planta, 1994, 194, 487-491.	1.6	14
51	Transient occurrence of an ebulin-related d-galactose-lectin in shoots of Sambucus ebulus L.. Phytochemistry, 2008, 69, 857-864.	1.4	14
52	Toxicity in mice of lectin ebulin f present in dwarf Elderberry (Sambucus ebulus L.). Toxicon, 2013, 61, 26-29.	0.8	14
53	Musarmins: three single-chain ribosome-inactivating protein isoforms from bulbs of Muscari armeniacum L. and Miller. International Journal of Biochemistry and Cell Biology, 2003, 35, 61-78.	1.2	13
54	Occurrence and new procedure of preparation of nigrin, an antiribosomal lectin present in elderberry bark. Food Research International, 2011, 44, 2798-2805.	2.9	13

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55	Toxicity of the Anti-ribosomal Lectin Ebulin f in Lungs and Intestines in Elderly Mice. Toxins, 2015, 7, 367-379.	1.5	13
56	Lectin Digestibility and Stability of Elderberry Antioxidants to Heat Treatment In Vitro. Molecules, 2017, 22, 95.	1.7	13
57	Intraocular Irrigating Solutions and Vitrectomy- Related Changes (in Protein, Lactic and Ascorbic) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	11
58	Sambucus Ribosome-Inactivating Proteins and Lectins. Plant Cell Monographs, 2010, , 107-131.	0.4	11
59	Adaptation of in vitro rat brain protein synthesis to long-term ingestion of n-butanol. Brain Research, 1990, 517, 330-332.	1.1	9
60	Enzymic activity of melonin, a translational inhibitor present in dry seeds of Cucumis melo L.. Plant Science, 1994, 103, 127-134.	1.7	9
61	Transient Injury-Dependent Up-Regulation of CD105 and its Specific Targeting with an Anti-Vascular Anti-Mouse Endoglin-Nigrin b Immunotoxin. Medicinal Chemistry, 2012, 8, 996-1002.	0.7	9
62	Effects of Cations, Antibiotics and Other Agents on the Turnover of Guanosine-Nucleotide . Elongation-Factor-G . Ribosome Complexes. FEBS Journal, 1977, 81, 483-490.	0.2	8
63	Inhibition of protein synthesis by (aminooxy)acetate in rat liver. International Journal of Biochemistry & Cell Biology, 1986, 18, 537-542.	0.8	8
64	Anti-Human Endoglin (hCD105) Immunotoxinâ€"Containing Recombinant Single Chain Ribosome-Inactivating Protein Musarmin 1. Toxins, 2016, 8, 184.	1.5	8
65	Detection of Guanosine-Nucleotide . Elongation-Factor-G Complexes Produced during the Decay of Guanosine-Nucleotide . Elongation-Factor-G . Ribosome Complexes. FEBS Journal, 1977, 81, 473-481.	0.2	7
66	Effect of ethanol on proteolysis in isolated liver cells. General Pharmacology, 1986, 17, 315-320.	0.7	7
67	Effect of continued exposition to ethanol on activity of the ammonium and fructose transport systems inSaccharomyces cerevisiaevar.ellipsoideus. Biotechnology and Bioengineering, 1991, 37, 389-391.	1.7	7
68	Vicia sativaL. â€˜Run-offâ€™ and Purified Ribosomes: Polyphenylalanine Synthesis and Molecular Action of Ribosome-inactivating Proteins. Journal of Experimental Botany, 1993, 44, 1297-1304.	2.4	7
69	Transient Injury-Dependent Up-Regulation of CD105 and its Specific Targeting with an Anti-Vascular Anti-Mouse Endoglin-Nigrin b Immunotoxin. Medicinal Chemistry, 2012, 8, 996-1002.	0.7	7
70	Effects of temperature, pH and sugar binding on the structures of lectins ebulin f and SELfd. Food Chemistry, 2017, 220, 324-330.	4.2	7
71	Unexpected Toxicity of Green Tea Polyphenols in Combination with the Sambucus RIL Ebulin. Toxins, 2020, 12, 542.	1.5	7
72	Human Health Effects of Lactose Consumption as a Food and Drug Ingredient. Current Pharmaceutical Design, 2020, 26, 1778-1789.	0.9	7

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73	Concentrated Extract of Green Tea Polyphenols Enhances the Toxicity of the Elderberry Lectin Nigrin b to Mice. Food and Nutrition Sciences (Print), 2014, 05, 466-471.	0.2	6
74	Paneth cells are also target of the ribotoxic lectin nigrin b. Histology and Histopathology, 2014, 29, 1057-63.	0.5	6
75	Development of a cell-free translation system from Cucumis melo: preparation, optimization and evaluation of sensitivity to some translational inhibitors. Plant Science, 1993, 90, 127-134.	1.7	5
76	Sensitivity of Translation byBrevibacterium lactofermentumRibosomes to Type 1 and Type 2 Ribosome-inactivating Proteins. Bioscience, Biotechnology and Biochemistry, 1994, 58, 1458-1462.	0.6	5
77	Bacterial expression of biologically active recombinant musarmin 1 from bulbs of Muscari armeniacum L. and Miller. Journal of Biotechnology, 2004, 112, 313-322.	1.9	5
78	Plasma Accumulations of Vitamin B6 from an Oral Dose in a New Reversible Model for Mouse Gut Injury and Regeneration. Food and Nutrition Sciences (Print), 2013, 04, 908-917.	0.2	5
79	Effect of acute ethanol administration and nutritional status on secretory protein synthesis in isolated rat liver cells. Toxicology in Vitro, 1989, 3, 7-12.	1.1	4
80	Changes in the activity of the general amino acid permease fromSaccharomyces cerevisiae var.ellipsoideus during fermentation. Biotechnology and Bioengineering, 1990, 36, 808-810.	1.7	4
81	Protein phosphorylation in a cell-free translation system from Vicia sativa. Phytochemistry, 1991, 30, 3185-3187.	1.4	4
82	Changes in sensitivity of in vitro rat brain protein synthesis to the acute action of ethanol and isopropanol as a consequence of the long-term ingestion of isopropanol. Archives of Toxicology, 1991, 65, 500-504.	1.9	4
83	Isolation and Characterization of a new Dgalactose- Binding Lectin from Sambucus Racemosa L.. Protein and Peptide Letters, 2003, 10, 287-293.	0.4	4
84	Design and Cytotoxicity Analysis of a Conjugate Containing the New DGalactose- Binding Lectin SELld and the Non-Toxic Type 2 Ribosome- Inactivating Protein Nigrin b. Letters in Drug Design and Discovery, 2004, 1, 361-367.	0.4	4
85	A Cucumis sativus cell-free translation system: preparation, optimization and sensitivity to some antibiotics and ribosome-inactivating proteins. Physiologia Plantarum, 1993, 88, 549-556.	2.6	3
86	A form of elongation factor G insensitive to N-ethyl-maleimide. Molecular Biology Reports, 1976, 2, 401-406.	1.0	2
87	Fusidic acid-dependent wheat germ ribosomal complexes require unphosphorylated elongation factor 2. Phytochemistry, 1992, 31, 55-57.	1.4	1
88	Killing cancer cells by targeting the EGF receptor. Cancer Biology and Therapy, 2008, 7, 243-244.	1.5	1
89	Biotechnological Potential of Ribosome Inactivating Proteins (RIPs). , 2015, , 1-19.		1
90	In vivo toxicity of the ribosome-inactivating lectin ebulin f in elderly mice. Histology and Histopathology, 2018, 33, 979-986.	0.5	1

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91	Biotechnological Potential of Ribosome Inactivating Proteins (RIPs). , 2015, , 1-15.		0
92	Biotechnological Potential of Ribosome-Inactivating Proteins (RIPs). Toxinology, 2017, , 363-381.	0.2	0
93	ANALYSIS OF RIBOSOMAL TRANSLOCATION BY DRUGS. , 1978, , 79-87.		0