

JosÃ© Miguel Ferreras

List of Publications by Year in descending order

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824
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| # | 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 <i>Saponaria officinalis</i> L. (Caryophyllaceae). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993, 1216, 31-42. | 2.4 | 102 |
| 3 | 2.8-Å... crystal structure of a nontoxic type-II ribosome-inactivating protein, ebulin I. <i>Proteins: Structure, Function and Bioinformatics</i> , 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 of <i>Sambucus nigra</i> L.. <i>Plant Molecular Biology</i> , 1993, 22, 1181-1186. | 2.0 | 78 |
| 5 | 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. | 2.0 | 76 |
| 6 | RIP for viruses. <i>Nature</i> , 1996, 379, 777-778. | 13.7 | 72 |
| 7 | Molecular characterization and systemic induction of single-chain ribosome-inactivating proteins (RIPs) in sugar beet (<i>Beta vulgaris</i>) leaves. <i>Journal of Experimental Botany</i> , 2005, 56, 1675-1684. | 2.4 | 72 |
| 8 | Toxicity and cytotoxicity of nigrin b, a two-chain ribosome-inactivating protein from <i>Sambucus nigra</i> : comparison with ricin. <i>Archives of Toxicology</i> , 1997, 71, 360-364. | 1.9 | 65 |
| 9 | Use of Ribosome-Inactivating Proteins from <i>Sambucus</i> for the Construction of Immunotoxins and Conjugates for Cancer Therapy. <i>Toxins</i> , 2011, 3, 420-441. | 1.5 | 59 |
| 10 | Targeting cancer cells with transferrin conjugates containing the non-toxic type 2 ribosome-inactivating proteins nigrin b or ebulin I. <i>Cancer Letters</i> , 2002, 184, 29-35. | 3.2 | 51 |
| 11 | Biological activities of the antiviral protein BE27 from sugar beet (<i>Beta vulgaris</i> L.). <i>Planta</i> , 2015, 241, 421-433. | 1.6 | 38 |
| 12 | 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. | 1.1 | 38 |
| 13 | Antiviral Activity of Ribosome-Inactivating Proteins. <i>Toxins</i> , 2021, 13, 80. | 1.5 | 36 |
| 14 | Molecular mechanism of inhibition of mammalian protein synthesis by some four-chain agglutinins. <i>FEBS Letters</i> , 1993, 329, 59-62. | 1.3 | 35 |
| 15 | 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 <i>Sambucus ebulus</i> L.. <i>Planta</i> , 1998, 204, 310-317. | 1.6 | 35 |
| 16 | Sensitivity of cancer cell lines to the novel non-toxic type 2 ribosome-inactivating protein nigrin b. <i>Cancer Letters</i> , 2001, 167, 163-169. | 3.2 | 35 |
| 17 | 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. <i>Cancer Letters</i> , 2007, 256, 73-80. | 3.2 | 34 |
| 18 | Ebulitins: A new family of type 1 ribosome-inactivating proteins (rRNAN-glycosidases) from leaves of <i>Sambucus ebulus</i> L. that coexist with the type 2 ribosome-inactivating protein ebulin I. <i>FEBS Letters</i> , 1995, 360, 299-302. | 1.3 | 33 |

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|----|---|-----|-----------|
| 19 | Effects of ribosome-inactivating proteins on <i>Escherichia coli</i> and <i>Agrobacterium tumefaciens</i> translation systems. <i>Journal of Bacteriology</i> , 1993, 175, 6721-6724. | 1.0 | 32 |
| 20 | Elderberry (<i>Sambucus nigra</i> L.) seed proteins inhibit protein synthesis and display strong immunoreactivity with rabbit polyclonal antibodies raised against the type 2 ribosome-inactivating protein nigrin b. <i>Journal of Experimental Botany</i> , 1994, 45, 513-516. | 2.4 | 32 |
| 21 | Ageritin, a Ribotoxin from Poplar Mushroom (<i>Agrocybe aegerita</i>) with Defensive and Antiproliferative Activities. <i>ACS Chemical Biology</i> , 2019, 14, 1319-1327. | 1.6 | 30 |
| 22 | Isolation and characterization of a new non-toxic two-chain ribosome-inactivating protein from fruits of elder (<i>Sambucus nigra</i> L.). <i>Journal of Experimental Botany</i> , 1996, 47, 1577-1585. | 2.4 | 29 |
| 23 | Cytotoxicity of an Ebulin I-Anti-Human CD105 Immunotoxin on Mouse Fibroblasts (L929) and Rat Myoblasts (L6E9) Cells Expressing Human CD105. <i>Medicinal Chemistry</i> , 2005, 1, 65-71. | 0.7 | 29 |
| 24 | Antifungal activity of the ribosome-inactivating protein BE27 from sugar beet (<i>Beta vulgaris</i>) against the green mould <i>Penicillium digitatum</i> . <i>Molecular Plant Pathology</i> , 2016, 17, 261-271. | 2.0 | 28 |
| 25 | A non-toxic two-chain ribosome-inactivating protein co-exists with a structure-related monomeric lectin (SNA III) in elder (<i>Sambucus nigra</i>) fruits. <i>Biochemical Journal</i> , 1996, 315, 343-344. | 1.7 | 27 |
| 26 | Constitutive and inducible type 1 ribosome-inactivating proteins (RIPs) in elderberry (<i>Sambucus</i>) | 1.3 | 26 |
| 27 | Specific dose-dependent damage of Lieberkhn crypts promoted by large doses of type 2 ribosome-inactivating protein nigrin b intravenous injection to mice. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 138-146. | 1.3 | 25 |
| 28 | Elicitor-dependent expression of the ribosome-inactivating protein beetin is developmentally regulated*. <i>Journal of Experimental Botany</i> , 2008, 59, 1215-1223. | 2.4 | 25 |
| 29 | In vitro and in vivo effects of an anti-mouse endoglin (CD105) immunotoxin on the early stages of mouse B16MEL4A5 melanoma tumours. <i>Cancer Immunology, Immunotherapy</i> , 2013, 62, 541-551. | 2.0 | 25 |
| 30 | Fusidic acid-dependent ribosomal complexes protect <i>Escherichia coli</i> ribosomes from the action of the type 1 ribosome-inactivating protein crotin 2. <i>FEBS Letters</i> , 1993, 318, 189-192. | 1.3 | 22 |
| 31 | Molecular action of the type 1 ribosome-inactivating protein saporin 5 on <i>Vicia sativa</i> ribosomes. <i>FEBS Letters</i> , 1993, 325, 291-294. | 1.3 | 22 |
| 32 | Plant Species Containing Inhibitors of Eukaryotic Polypeptide Synthesis. <i>Journal of Experimental Botany</i> , 1990, 41, 67-70. | 2.4 | 21 |
| 33 | Sialic acid-binding dwarf elder four-chain lectin displays nucleic acid N-glycosidase activity. <i>Biochimie</i> , 2010, 92, 71-80. | 1.3 | 20 |
| 34 | Effect of the chronic ethanol action on the activity of the general amino-acid permease from <i>Saccharomyces cerevisiae</i> var. <i>ellipsoideus</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 979, 375-377. | 1.4 | 19 |
| 35 | Isolation and partial characterization of a novel and uncommon two-chain 64-kDa ribosome-inactivating protein from the bark of elder (<i>Sambucus nigra</i> L.). <i>FEBS Letters</i> , 1997, 413, 85-91. | 1.3 | 19 |
| 36 | cDNA molecular cloning and seasonal accumulation of an ebulin I-related dimeric lectin of dwarf elder (<i>Sambucus ebulus</i> L.) leaves. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 1061-1065. | 1.2 | 18 |

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|----|--|-----|-----------|
| 37 | Preparation and Optimization of a Cell-free Translation System from <i>Vicia sativa</i> Germ Lacking Ribosome-inactivating Protein Activity. <i>Journal of Experimental Botany</i> , 1992, 43, 729-737. | 2.4 | 17 |
| 38 | 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. | 3.6 | 16 |
| 39 | Isolation and characterization of two new N-glycosidase type-1 ribosome-inactivating proteins, unrelated in amino-acid sequence, from <i>Petrocoptis</i> species. <i>Planta</i> , 1994, 194, 487-491. | 1.6 | 14 |
| 40 | Transient occurrence of an ebulin-related d-galactose-lectin in shoots of <i>Sambucus ebulus</i> L.. <i>Phytochemistry</i> , 2008, 69, 857-864. | 1.4 | 14 |
| 41 | Musarmins: three single-chain ribosome-inactivating protein isoforms from bulbs of <i>Muscari armeniacum</i> L. and Miller. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 61-78. | 1.2 | 13 |
| 42 | Occurrence and new procedure of preparation of nigrin, an antiribosomal lectin present in elderberry bark. <i>Food Research International</i> , 2011, 44, 2798-2805. | 2.9 | 13 |
| 43 | Ribosomal RNA N-glycosylase Activity Assay of Ribosome-inactivating Proteins. <i>Bio-protocol</i> , 2017, 7, e2180. | 0.2 | 13 |
| 44 | <i>Sambucus</i> Ribosome-Inactivating Proteins and Lectins. <i>Plant Cell Monographs</i> , 2010, , 107-131. | 0.4 | 11 |
| 45 | Antifungal Activity of $\hat{\pm}$ -Sarcin against <i>Penicillium digitatum</i> : Proposal of a New Role for Fungal Ribotoxins. <i>ACS Chemical Biology</i> , 2018, 13, 1978-1982. | 1.6 | 11 |
| 46 | Adaptation of in vitro rat brain protein synthesis to long-term ingestion of n-butanol. <i>Brain Research</i> , 1990, 517, 330-332. | 1.1 | 9 |
| 47 | Insight into the phylogenetic relationship and structural features of vertebrate myoglobin family. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1041-1050. | 3.6 | 9 |
| 48 | Kirkiiin: A New Toxic Type 2 Ribosome-Inactivating Protein from the Caudex of <i>Adenia kirkii</i> . <i>Toxins</i> , 2021, 13, 81. | 1.5 | 9 |
| 49 | Effect of continued exposition to ethanol on activity of the ammonium and fructose transport systems in <i>Saccharomyces cerevisiae</i> var. <i>ellipsoideus</i> . <i>Biotechnology and Bioengineering</i> , 1991, 37, 389-391. | 1.7 | 7 |
| 50 | <i>Vicia sativa</i> L. $\hat{\pm}$ Run-off $\hat{\pm}$ ™ and Purified Ribosomes: Polyphenylalanine Synthesis and Molecular Action of Ribosome-inactivating Proteins. <i>Journal of Experimental Botany</i> , 1993, 44, 1297-1304. | 2.4 | 7 |
| 51 | Transient Injury-Dependent Up-Regulation of CD105 and its Specific Targeting with an Anti-Vascular Anti-Mouse Endoglin-Nigrin b Immunotoxin. <i>Medicinal Chemistry</i> , 2012, 8, 996-1002. | 0.7 | 7 |
| 52 | 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. | 1.8 | 7 |
| 53 | Ebulin-RP, a novel member of the Ebulin gene family with low cytotoxicity as a result of deficient sugar binding domains. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 460-473. | 1.1 | 6 |
| 54 | Development of a cell-free translation system from <i>Cucumis melo</i> : preparation, optimization and evaluation of sensitivity to some translational inhibitors. <i>Plant Science</i> , 1993, 90, 127-134. | 1.7 | 5 |

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| 55 | Sensitivity of Translation by <i>Brevibacterium lactofermentum</i> Ribosomes to Type 1 and Type 2 Ribosome-inactivating Proteins. <i>Bioscience, Biotechnology and Biochemistry</i> , 1994, 58, 1458-1462. | 0.6 | 5 |
| 56 | Ribosome Inactivating Proteins from Plants: Biological Properties and their Use in Experimental Therapy. , 2013, , 127-143. | | 5 |
| 57 | Primary Sequence and 3D Structure Prediction of the Plant Toxin Stenodactylin. <i>Toxins</i> , 2020, 12, 538. | 1.5 | 5 |
| 58 | Effect of acute ethanol administration and nutritional status on secretory protein synthesis in isolated rat liver cells. <i>Toxicology in Vitro</i> , 1989, 3, 7-12. | 1.1 | 4 |
| 59 | Changes in the activity of the general amino acid permease from <i>Saccharomyces cerevisiae</i> var. <i>ellipsoideus</i> during fermentation. <i>Biotechnology and Bioengineering</i> , 1990, 36, 808-810. | 1.7 | 4 |
| 60 | Protein phosphorylation in a cell-free translation system from <i>Vicia sativa</i> . <i>Phytochemistry</i> , 1991, 30, 3185-3187. | 1.4 | 4 |
| 61 | 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. <i>Archives of Toxicology</i> , 1991, 65, 500-504. | 1.9 | 4 |
| 62 | 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. | 1.7 | 4 |
| 63 | Isolation and Characterization of a new Dgalactose- Binding Lectin from <i>Sambucus Racemosa</i> L.. <i>Protein and Peptide Letters</i> , 2003, 10, 287-293. | 0.4 | 4 |
| 64 | Ebulin I Is Internalized in Cells by Both Clathrin-Dependent and -Independent Mechanisms and Does Not Require Clathrin or Dynamin for Intoxication. <i>Toxins</i> , 2021, 13, 102. | 1.5 | 3 |
| 65 | A <i>Cucumis sativus</i> cell-free translation system: preparation, optimization and sensitivity to some antibiotics and ribosome-inactivating proteins. <i>Physiologia Plantarum</i> , 1993, 88, 549-556. | 2.6 | 3 |
| 66 | Sequence, Structure, and Binding Site Analysis of Kirkiin in Comparison with Ricin and Other Type 2 RIPs. <i>Toxins</i> , 2021, 13, 862. | 1.5 | 3 |
| 67 | Fusidic acid-dependent wheat germ ribosomal complexes require unphosphorylated elongation factor 2. <i>Phytochemistry</i> , 1992, 31, 55-57. | 1.4 | 1 |
| 68 | Killing cancer cells by targeting the EGF receptor. <i>Cancer Biology and Therapy</i> , 2008, 7, 243-244. | 1.5 | 1 |