

Maria Giulia Battelli

List of Publications by Year in descending order

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64
papers

4,202
citations

136950

32
h-index

138484

58
g-index

65
all docs

65
docs citations

65
times ranked

3308
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosome-inactivating proteins from plants. <i>BBA - Biomembranes</i> , 1993, 1154, 237-282.	8.0	738
2	Ribosome-â€œInactivating Proteins from Plants: Present Status and Future Prospects. <i>Bio/technology</i> , 1992, 10, 405-412.	1.5	387
3	Ribosome-inactivating proteins: progress and problems. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 1850-1866.	5.4	304
4	Pathophysiology of circulating xanthine oxidoreductase: New emerging roles for a multi-tasking enzyme. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1502-1517.	3.8	186
5	Xanthine Oxidoreductase-Derived Reactive Species: Physiological and Pathological Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-8.	4.0	184
6	Xanthine oxidoreductase in atherosclerosis pathogenesis: Not only oxidative stress. <i>Atherosclerosis</i> , 2014, 237, 562-567.	0.8	132
7	The role of xanthine oxidoreductase and uric acid in metabolic syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2557-2565.	3.8	114
8	Saporin-S6: A Useful Tool in Cancer Therapy. <i>Toxins</i> , 2013, 5, 1698-1722.	3.4	113
9	Xanthine oxidoreductase: One enzyme for multiple physiological tasks. <i>Redox Biology</i> , 2021, 41, 101882.	9.0	104
10	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
11	Xanthine oxidoreductase in cancer: more than a differentiation marker. <i>Cancer Medicine</i> , 2016, 5, 546-557.	2.8	101
12	Ricin: An Ancient Story for a Timeless Plant Toxin. <i>Toxins</i> , 2019, 11, 324.	3.4	90
13	Ribosome-Inactivating Proteins from Plants: A Historical Overview. <i>Molecules</i> , 2016, 21, 1627.	3.8	88
14	Purification and properties of new ribosome-inactivating proteins with RNA N-glycosidase activity. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1990, 1087, 293-302.	2.4	81
15	Xanthine Oxidoreductase in Drug Metabolism: Beyond a Role as a Detoxifying Enzyme. <i>Current Medicinal Chemistry</i> , 2016, 23, 4027-4036.	2.4	73
16	Metabolic syndrome and cancer risk: The role of xanthine oxidoreductase. <i>Redox Biology</i> , 2019, 21, 101070.	9.0	73
17	Saporin induces multiple death pathways in lymphoma cells with different intensity and timing as compared to ricin. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1055-1061.	2.8	68
18	New ribosome-inactivating proteins with polynucleotide:adenosine glycosidase and antiviral activities from <i>Basella rubra</i> L. and <i>Bougainvillea spectabilis</i> Willd.. <i>Planta</i> , 1997, 203, 422-429.	3.2	65

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19	Toxicity and cytotoxicity of nigrin b, a two-chain ribosome-inactivating protein from <i>Sambucus nigra</i> â€”: comparison with ricin. <i>Archives of Toxicology</i> , 1997, 71, 360-364.	4.2	65
20	Cytotoxicity and Toxicity to Animals and Humans of Ribosome-Inactivating Proteins. <i>Mini-Reviews in Medicinal Chemistry</i> , 2004, 4, 513-521.	2.4	64
21	Xanthine oxidoreductase activity in human liver disease. <i>American Journal of Gastroenterology</i> , 2002, 97, 2079-2085.	0.4	62
22	Interaction of volkensin with HeLa cells: binding, uptake, intracellular localization, degradation and exocytosis. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 1975-1984.	5.4	50
23	Serum Xanthine Oxidase in Human Liver Disease. <i>American Journal of Gastroenterology</i> , 2001, 96, 1194-1199.	0.4	49
24	Plants Producing Ribosome-Inactivating Proteins in Traditional Medicine. <i>Molecules</i> , 2016, 21, 1560.	3.8	49
25	Differential Effect of Ribosome-Inactivating Proteins on Plant Ribosome Activity and Plant Cells Growth. <i>Journal of Experimental Botany</i> , 1984, 35, 882-889.	4.8	47
26	On the Distribution of Ribosome-Inactivating Proteins amongst Plants. <i>Journal of Natural Products</i> , 1985, 48, 446-454.	3.0	47
27	Purification and partial characterization of single-chain ribosome-inactivating proteins from the seeds of <i>Phytolacca dioica</i> L.. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993, 1216, 43-49.	2.4	47
28	Effects of hypoxia and ethanol on xanthine oxidase of isolated rat hepatocytes: Conversion from D to O form and leakage from cells. <i>Chemico-Biological Interactions</i> , 1992, 83, 73-84.	4.0	44
29	Apoptosis and necroptosis induced by stenodactylin in neuroblastoma cells can be completely prevented through caspase inhibition plus catalase or necrostatin-1. <i>Phytomedicine</i> , 2016, 23, 32-41.	5.3	44
30	Enzymic conversion of rat liver xanthine oxidase from dehydrogenase (D form) to oxidase (O form). <i>FEBS Letters</i> , 1980, 113, 47-51.	2.8	42
31	Toxicity of ribosome-inactivating proteins-containing immunotoxins to a human bladder carcinoma cell line. , 1996, 65, 485-490.		40
32	DNA repair after gamma radiation and superoxide dismutase activity in lymphocytes from subjects of far advanced age. <i>Carcinogenesis</i> , 1982, 3, 45-48.	2.8	39
33	Ribosome-inactivating lectins with polynucleotide:adenosine glycosidase activity. <i>FEBS Letters</i> , 1997, 408, 355-359.	2.8	36
34	Xanthine oxidoreductase: A leading actor in cardiovascular disease drama. <i>Redox Biology</i> , 2021, 48, 102195.	9.0	35
35	Reduction of ricin and other plant toxins by thiol:protein disulfide oxidoreductases. <i>Archives of Biochemistry and Biophysics</i> , 1982, 216, 380-383.	3.0	33
36	Toxicity of, and histological lesions caused by, ribosomeâ€™inactivating proteins, their IgGâ€™conjugates, and their homopolymers. <i>Apmis</i> , 1990, 98, 585-593.	2.0	30

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37	High sensitivity of cultured human trophoblasts to ribosome-inactivating proteins. <i>Experimental Cell Research</i> , 1992, 201, 109-112.	2.6	29
38	Ribosome-Inactivating Proteins (RNA N-glycosidases) from the Seeds of <i>Saponaria ocymoides</i> and <i>Vaccaria pyramidata</i> . <i>FEBS Journal</i> , 1995, 228, 935-940.	0.2	29
39	Two Saporin-Containing Immunotoxins Specific for CD20 and CD22 Show Different Behavior in Killing Lymphoma Cells. <i>Toxins</i> , 2017, 9, 182.	3.4	25
40	Hepatotoxicity of ricin, saporin or a saporin immunotoxin: xanthine oxidase activity in rat liver and blood serum. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1996, 427, 529-35.	2.8	22
41	Determination of xanthine oxidase in human serum by a competitive enzyme-linked immunosorbent assay (ELISA). <i>Clinica Chimica Acta</i> , 1999, 281, 147-158.	1.1	22
42	In vitro and in vivo toxicity of type 2 ribosome-inactivating proteins lanceolin and stenodactylin on glial and neuronal cells. <i>NeuroToxicology</i> , 2007, 28, 637-644.	3.0	22
43	Toxicity of ricin and volkensin, two ribosome-inactivating proteins, to microglia, astrocyte, and neuron cultures. , 1997, 20, 203-209.		18
44	Binding and intracellular routing of the plant-toxic lectins, lanceolin and stenodactylin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1276-1282.	2.4	18
45	Effect of ribosome-inactivating proteins on ribosomes from <i>Tetrahymena pyriformis</i> and <i>Acanthamoeba castellanii</i> . <i>Biochemical and Biophysical Research Communications</i> , 1987, 148, 521-527.	2.1	17
46	Cytotoxicity of, and DNA damage by, active oxygen species produced by xanthine oxidase. <i>FEBS Letters</i> , 1991, 291, 173-176.	2.8	17
47	Xanthine Oxidase Status in Ethanol-Intoxicated Rat Liver. <i>Alcoholism: Clinical and Experimental Research</i> , 1989, 13, 841-844.	2.4	16
48	Excitotoxic increase of xanthine dehydrogenase and xanthine oxidase in the rat olfactory cortex. <i>Developmental Brain Research</i> , 1995, 86, 340-344.	1.7	14
49	Simulated ischaemia-reperfusion conditions increase xanthine dehydrogenase and oxidase activities in rat brain slices. <i>Neurochemistry International</i> , 1998, 32, 17-21.	3.8	14
50	Ricin toxicity to microglial and monocytic cells. <i>Neurochemistry International</i> , 2001, 39, 83-93.	3.8	14
51	Pro-Aging Effects of Xanthine Oxidoreductase Products. <i>Antioxidants</i> , 2020, 9, 839.	5.1	14
52	Blood clearance and organ distribution and tissue concentration of native, homopolymerized and IgG-conjugated ribosome-inactivating proteins. <i>Xenobiotica</i> , 1990, 20, 1331-1341.	1.1	13
53	Oxidative stress to human lymphocytes by xanthine oxidoreductase activity. <i>Free Radical Research</i> , 2001, 35, 665-679.	3.3	13
54	TARGETING OF A PLASMA CELL LINE WITH A CONJUGATE CONTAINING XANTHINE OXIDASE AND THE MONOCLONAL ANTIBODY 62B1. <i>Transplantation</i> , 1989, 48, 119-122.	1.0	12

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55	In vivo and in vitro uptake of an anti-CD30/saporin immunotoxin by rat liver parenchymal and nonparenchymal cells. <i>Hepatology</i> , 1994, 20, 940-947.	7.3	10
56	High in Vitro Anti-Tumor Efficacy of Dimeric Rituximab/Saporin-S6 Immunotoxin. <i>Toxins</i> , 2016, 8, 192.	3.4	9
57	T lymphocyte killing by a xanthine-oxidase-containing immunotoxin. <i>Cancer Immunology, Immunotherapy</i> , 1992, 35, 421-425.	4.2	8
58	Different Sensitivity of CD30 + Cell Lines to Ber-H2/Saporin-S6 Immunotoxin. <i>Journal of Drug Targeting</i> , 1998, 5, 181-191.	4.4	6
59	Hyperuricaemia, Xanthine Oxidoreductase and Ribosome-Inactivating Proteins from Plants: The Contributions of Fiorenzo Stirpe to Frontline Research. <i>Molecules</i> , 2017, 22, 206.	3.8	3
60	Mannose receptor determination by an ELISA-like method. <i>Journal of Proteomics</i> , 2003, 55, 121-125.	2.4	2
61	DNA polymerase activity in proliferating and antigen-stimulated tissues. <i>Experimental and Molecular Pathology</i> , 1979, 31, 91-100.	2.1	0
62	Ribosome-Inactivating Proteins (RNA N-glycosidases) from the Seeds of <i>Saponaria ocyroides</i> and <i>Vaccaria pyramidata</i> . <i>FEBS Journal</i> , 1995, 228, 935-940.	0.2	0
63	Human Xanthine Oxidoreductase Determination by a Competitive ELISA. , 2002, 186, 03-12.		0
64	Potential Therapeutic Application of the Plant Toxin Saporin-S6. <i>Clinical & Experimental Pharmacology</i> , 2014, 04, .	0.3	0