

Marcelo D Baruffi

List of Publications by Year in descending order

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95
papers

2,761
citations

236612

25
h-index

197535

49
g-index

101
all docs

101
docs citations

101
times ranked

3642
citing authors

#	ARTICLE	IF	CITATIONS
1	Innate immune lectins kill bacteria expressing blood group antigen. <i>Nature Medicine</i> , 2010, 16, 295-301.	15.2	267
2	Differential Roles of Galectin-1 and Galectin-3 in Regulating Leukocyte Viability and Cytokine Secretion. <i>Journal of Immunology</i> , 2008, 180, 3091-3102.	0.4	232
3	Dimeric Galectin-1 Induces Surface Exposure of Phosphatidylserine and Phagocytic Recognition of Leukocytes without Inducing Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 41282-41293.	1.6	160
4	Human galectin-1, -2, and -4 induce surface exposure of phosphatidylserine in activated human neutrophils but not in activated T cells. <i>Blood</i> , 2007, 109, 219-227.	0.6	148
5	Evolving Mechanistic Insights into Galectin Functions. <i>Methods in Molecular Biology</i> , 2015, 1207, 1-35.	0.4	115
6	Human galectin-1 recognition of poly-N-acetyllactosamine and chimeric polysaccharides. <i>Glycobiology</i> , 2003, 14, 157-167.	1.3	106
7	Galectin-1 Induces Reversible Phosphatidylserine Exposure at the Plasma Membrane. <i>Molecular Biology of the Cell</i> , 2009, 20, 1408-1418.	0.9	93
8	Evidence of caspase-mediated apoptosis induced by l-amino acid oxidase isolated from <i>Bothrops atrox</i> snake venom. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, 542-550.	0.8	92
9	Ligand Reduces Galectin-1 Sensitivity to Oxidative Inactivation by Enhancing Dimer Formation. <i>Journal of Biological Chemistry</i> , 2009, 284, 4989-4999.	1.6	89
10	The citrus flavonoid naringenin impairs the in vitro infection of human cells by Zika virus. <i>Scientific Reports</i> , 2019, 9, 16348.	1.6	76
11	Key regulators of galectin-glycan interactions. <i>Proteomics</i> , 2016, 16, 3111-3125.	1.3	65
12	In vitro photodynamic inactivation of <i>Candida</i> species and mouse fibroblasts with phenothiazinium photosensitisers and red light. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 141-149.	1.3	60
13	Differential expression of immunomodulatory galectin-1 in peripheral leukocytes and adult tissues and its cytosolic organization in striated muscle. <i>Glycobiology</i> , 2010, 20, 507-520.	1.3	45
14	The Sweet-Side of Leukocytes: Galectins as Master Regulators of Neutrophil Function. <i>Frontiers in Immunology</i> , 2019, 10, 1762.	2.2	44
15	5-Lipoxygenase Deficiency Impairs Innate and Adaptive Immune Responses during Fungal Infection. <i>PLoS ONE</i> , 2012, 7, e31701.	1.1	42
16	Galectin-1 Exerts Inhibitory Effects during DENV-1 Infection. <i>PLoS ONE</i> , 2014, 9, e112474.	1.1	39
17	O-glycan sialylation alters galectin-3 subcellular localization and decreases chemotherapy sensitivity in gastric cancer. <i>Oncotarget</i> , 2016, 7, 83570-83587.	0.8	38
18	Biomimetic in vitro oxidation of lapachol: A model to predict and analyse the in vivo phase I metabolism of bioactive compounds. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 804-812.	2.6	35

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19	Leishmanicidal Evaluation of Tetrahydroprotoberberine and Spirocyclic Erythrina-Alkaloids. <i>Molecules</i> , 2014, 19, 5692-5703.	1.7	35
20	Poly-epsilon-caprolactone nanoparticles enhance ursolic acid in vivo efficacy against <i>Trypanosoma cruzi</i> infection. <i>Materials Science and Engineering C</i> , 2017, 77, 1196-1203.	3.8	34
21	Anti-asthmatic potential of a d-galactose-binding lectin from <i>Synadenium carinatum</i> latex. <i>Glycobiology</i> , 2007, 17, 795-804.	1.3	32
22	Degeneration of dystrophic or injured skeletal muscles induces high expression of Galectin-1. <i>Glycobiology</i> , 2008, 18, 842-850.	1.3	31
23	Lâ€Amino Acid Oxidase Isolated from <i>Bothrops pirajai</i> Induces Apoptosis in BCRâ€Positive Cells and Potentiates Imatinib Mesylate Effect. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 113, 103-112.	1.2	30
24	sTREM-1 Predicts Disease Severity and Mortality in COVID-19 Patients: Involvement of Peripheral Blood Leukocytes and MMP-8 Activity. <i>Viruses</i> , 2021, 13, 2521.	1.5	28
25	Matrix Metalloproteinases on Severe COVID-19 Lung Disease Pathogenesis: Cooperative Actions of MMP-8/MMP-2 Axis on Immune Response through HLA-G Shedding and Oxidative Stress. <i>Biomolecules</i> , 2022, 12, 604.	1.8	28
26	Evaluation of immunomodulatory and anti-inflammatory effects and phytochemical screening of <i>Alternanthera tenella</i> Colla (Amaranthaceae) aqueous extracts. <i>Memórias Do Instituto Oswaldo Cruz</i> , 2008, 103, 569-577.	0.8	27
27	Examining Galectin Binding Specificity Using Glycan Microarrays. <i>Methods in Molecular Biology</i> , 2015, 1207, 115-131.	0.4	27
28	Synthetic 1,2,3-triazole-linked glycoconjugates bind with high affinity to human galectin-3. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3414-3425.	1.4	26
29	Enhanced Antitumor Activity against Melanoma Cancer Cells by Nitric Oxide Release and Photosensitized Generation of Singlet Oxygen from Ruthenium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3592-3597.	1.0	26
30	Synthetic glycoconjugates inhibitors of tumor-related galectin-3: an update. <i>Glycoconjugate Journal</i> , 2016, 33, 853-876.	1.4	26
31	In vitro and in vivo activities of leukotriene B4-loaded biodegradable microspheres. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 83, 121-129.	1.0	25
32	Fumarate hydratase isoforms of <i>Leishmania major</i> : Subcellular localization, structural and kinetic properties. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 25-31.	3.6	25
33	Adaptive Immune Response Impairs the Efficacy of Autologous Transplantation of Engineered Stem Cells in Dystrophic Dogs. <i>Molecular Therapy</i> , 2016, 24, 1949-1964.	3.7	24
34	Neutrophil migration induced in vivo and in vitro by marine algal lectins. <i>Inflammation Research</i> , 2001, 50, 486-490.	1.6	22
35	Lack of galectin-3 increases Jagged1/Notch activation in bone marrow-derived dendritic cells and promotes dysregulation of T helper cell polarization. <i>Molecular Immunology</i> , 2016, 76, 22-34.	1.0	22
36	Recombinant DNA immunotherapy ameliorate established airway allergy in a ILâ€10 dependent pathway. <i>Clinical and Experimental Allergy</i> , 2012, 42, 131-143.	1.4	21

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37	Galectins: An Ancient Family of Carbohydrate Binding Proteins with Modern Functions. <i>Methods in Molecular Biology</i> , 2022, 2442, 1-40.	0.4	21
38	Heparin potentiates in vivo neutrophil migration induced by IL-8. <i>Glycoconjugate Journal</i> , 1998, 15, 523-526.	1.4	20
39	Galatrox is a C-type lectin in <i>Bothrops atrox</i> snake venom that selectively binds LacNAc-terminated glycans and can induce acute inflammation. <i>Glycobiology</i> , 2014, 24, 1010-1021.	1.3	20
40	Macrophage-released neutrophil chemotactic factor (MNCF) induces PMN-neutrophil migration through lectin-like activity. <i>Agents and Actions</i> , 1993, 38, C54-C56.	0.7	19
41	Proteomic and functional analysis identifies galectin-1 as a novel regulatory component of the cytotoxic granule machinery. <i>Cell Death and Disease</i> , 2017, 8, e3176-e3176.	2.7	19
42	Isolation, functional, and partial biochemical characterization of galatrox, an acidic lectin from <i>Bothrops atrox</i> snake venom. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 181-192.	0.9	17
43	Requirement of M ₂ and FcγR2b pathways for the efficacy of allergen-free immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015, 70, 275-284.	2.7	17
44	Acetylcholine, Fatty Acids, and Lipid Mediators Are Linked to COVID-19 Severity. <i>Journal of Immunology</i> , 2022, 209, 250-261.	0.4	17
45	Neutrophil migration and aggregation induced by euphorbin, a lectin from the latex of <i>Euphorbia milii</i> , var. <i>milii</i> . <i>Inflammation Research</i> , 2000, 49, 732-736.	1.6	16
46	IFN-β-mediated efficacy of allergen-free immunotherapy using mycobacterial antigens and CpG ODN. <i>Immunology and Cell Biology</i> , 2011, 89, 777-785.	1.0	16
47	Antibodies against Mucin-Based Glycopeptides Affect <i>Trypanosoma cruzi</i> Cell Invasion and Tumor Cell Viability. <i>ChemBioChem</i> , 2014, 15, 1495-1507.	1.3	16
48	Binding of triazole-linked galactosyl arylsulfonamides to galectin-3 affects <i>Trypanosoma cruzi</i> cell invasion. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6049-6059.	1.4	16
49	Galectin-1 modulation of neutrophil reactive oxygen species production depends on the cell activation state. <i>Molecular Immunology</i> , 2019, 116, 80-89.	1.0	16
50	COVID-19: Integrating the Complexity of Systemic and Pulmonary Immunopathology to Identify Biomarkers for Different Outcomes. <i>Frontiers in Immunology</i> , 2020, 11, 599736.	2.2	16
51	Full-length model of the human galectin-4 and insights into dynamics of inter-domain communication. <i>Scientific Reports</i> , 2016, 6, 33633.	1.6	15
52	Biological characterization of purified macrophage-derived neutrophil chemotactic factor. <i>Mediators of Inflammation</i> , 1995, 4, 263-269.	1.4	14
53	The binding of CCL2 to the surface of <i>Trypanosoma cruzi</i> induces chemo-attraction and morphogenesis. <i>Microbes and Infection</i> , 2007, 9, 111-118.	1.0	13
54	Antithrombotic activity of Batroxase, a metalloprotease from <i>Bothrops atrox</i> venom, in a model of venous thrombosis. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 263-267.	3.6	13

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55	Virulence attributes and genetic variability of oral <i>Candida albicans</i> and <i>Candida tropicalis</i> isolates. <i>Mycoses</i> , 2012, 55, e97-e105.	1.8	12
56	Leishmanicidal Effects of Piperlongumine (Piplartine) and Its Putative Metabolites. <i>Planta Medica</i> , 2018, 84, 1141-1148.	0.7	12
57	Galectin-3 aggravates experimental polymicrobial sepsis by impairing neutrophil recruitment to the infectious focus. <i>Journal of Infection</i> , 2018, 77, 391-397.	1.7	12
58	Early dystrophin loss is coincident with the transition of compensated cardiac hypertrophy to heart failure. <i>PLoS ONE</i> , 2017, 12, e0189469.	1.1	11
59	Isolation and partial chemical characterization of macrophage-derived neutrophil chemotactic factor. <i>Mediators of Inflammation</i> , 1995, 4, 257-262.	1.4	10
60	Disodium cromoglycate prevents ileum hyperreactivity to histamine in <i>Toxocara canis</i> -infected guinea pigs. <i>Pharmacological Research</i> , 2003, 48, 451-455.	3.1	10
61	A Synthetic MUC1 Glycopeptide Bearing \hat{I}^2 GalNAc \hat{E} Thr as a Tn Antigen Isomer Induces the Production of Antibodies against Tumor Cells. <i>ChemBioChem</i> , 2017, 18, 527-538.	1.3	10
62	An intravascular chemoattractant lectin inhibits neutrophil migration. <i>Glycoconjugate Journal</i> , 1998, 15, 527-529.	1.4	8
63	Neutrophil haptotaxis induced by mouse MNCF: interactions with extracellular matrix glycoproteins probably contribute to overcoming the anti-inflammatory action of dexamethasone. <i>Inflammation Research</i> , 2007, 56, 368-376.	1.6	8
64	Expression of human protein S100A7 (psoriasin), preparation of antibody and application to human larynx squamous cell carcinoma. <i>BMC Research Notes</i> , 2011, 4, 494.	0.6	8
65	Discovering Selected Antibodies From Deep-Sequenced Phage-Display Antibody Library Using ATTILA. <i>Bioinformatics and Biology Insights</i> , 2020, 14, 117793222091524.	1.0	8
66	Detection of Phosphatidylserine Exposure on Leukocytes Following Treatment with Human Galectins. <i>Methods in Molecular Biology</i> , 2015, 1207, 185-200.	0.4	8
67	Innate immune Galectin-7 specifically targets microbes that decorate themselves in blood group-like antigens. <i>IScience</i> , 2022, 25, 104482.	1.9	8
68	Sm60, a mannose-binding protein from <i>Schistosoma mansoni</i> with inflammatory property. <i>International Journal for Parasitology</i> , 2002, 32, 1747-1754.	1.3	7
69	Protective Effect of Galectin-1 during <i>Histoplasma capsulatum</i> Infection Is Associated with Prostaglandin E ₂ and Nitric Oxide Modulation. <i>Mediators of Inflammation</i> , 2016, 2016, 1-13.	1.4	7
70	Impaired emotional response to stress in mice lacking galectin-1 or galectin-3. <i>Physiology and Behavior</i> , 2020, 220, 112862.	1.0	7
71	Isolation and partial characterization of 3 nontoxic <i>d</i> -galactose-specific isolectins from seeds of <i>Momordica balsamina</i> . <i>Journal of Molecular Recognition</i> , 2017, 30, e2582.	1.1	6
72	Endogenous galectin-3 is required for skeletal muscle repair. <i>Glycobiology</i> , 2021, 31, 1295-1307.	1.3	6

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73	Macrophage-derived neutrophil chemotactic factor is involved in the neutrophil recruitment inhibitory activity present in the supernatants of LPS-stimulated macrophages. <i>Mediators of Inflammation</i> , 1996, 5, 116-120.	1.4	5
74	Recombinant expression, purification and preliminary biophysical and structural studies of C-terminal carbohydrate recognition domain from human galectin-4. <i>Protein Expression and Purification</i> , 2016, 118, 39-48.	0.6	5
75	Examination of Galectin Localization Using Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2015, 1207, 343-354.	0.4	5
76	Examining Galectin Binding Specificity Using Glycan Microarrays. <i>Methods in Molecular Biology</i> , 2022, 2442, 151-168.	0.4	5
77	Application of the Negishi Reaction in the Synthesis of Thiophene-Based Lignans Analogues with Leishmanicidal Effects. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	4
78	Synthesis of novel triazole-derived glycopeptides as analogs of β -dystroglycan mucins. <i>Carbohydrate Research</i> , 2019, 472, 23-32.	1.1	4
79	Multifaceted antibodies development against synthetic β -dystroglycan mucin glycopeptide as promising tools for dystroglycanopathies diagnostic. <i>Glycoconjugate Journal</i> , 2020, 37, 77-93.	1.4	4
80	Evaluation of the Bactericidal Activity of Galectins. <i>Methods in Molecular Biology</i> , 2022, 2442, 517-531.	0.4	4
81	Ultrasonically nebulized distilled water prevents exogenous histamine hyperreactivity in <i>Toxocara canis</i> -infected mice. <i>Inflammation Research</i> , 2005, 54, 243-248.	1.6	3
82	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of the N-terminal carbohydrate-recognition domain of human galectin-4. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 542-545.	0.7	3
83	A soluble recombinant form of human leucocyte antigen-G 6 (srHLA-G6). <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 28-33.	1.0	3
84	Galactosyl and sialyl clusters: synthesis and evaluation against <i>T. cruzi</i> parasite. <i>Pure and Applied Chemistry</i> , 2019, 91, 1191-1207.	0.9	3
85	Engineering of galectin-3 for glycan-binding optical imaging. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 674-680.	1.0	3
86	Different expression patterns of <i>LGALS1</i> and <i>LGALS3</i> in polycythemia vera, essential thrombocythemia and primary myelofibrosis. <i>Journal of Clinical Pathology</i> , 2016, 69, 926-929.	1.0	2
87	rBaltMIP, a recombinant alpha-type myotoxin inhibitor from <i>Bothrops alternatus</i> (Rhinoceros) Tj ETQq1 1 0.784314 rgBT /Overlock 11 53-62.	0.8	2
88	MG-Pe: A Novel Galectin-3 Ligand with Antimelanoma Properties and Adjuvant Effects to Dacarbazine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7635.	1.8	2
89	Characterization of the mechanisms underlying the crosstalk between galectins and notch in gastric cancer. <i>BMC Proceedings</i> , 2013, 7, .	1.8	0
90	AVALIAÇÃO DO POLIMORFISMO DO GENE +874A/T DA CITOCINA INTERFERON GAMA (IFN- γ) EM PESSOAS QUE VIVEM COM HIV. , 2020, , .		0

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91	Functional evaluation of immunoregulatory molecules HLA-G, galectin-1, and IL-10 in people living with HIV. <i>Medicine (United States)</i> , 2022, 101, e28489.	0.4	0
92	Investigation of in Frozen Tissue and Mammalian Cell Culture Using Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2022, 2442, 289-306.	0.4	0
93	Detection of Reactive Oxygen Species in Human Neutrophils Under Various Conditions of Exposure to Galectin. <i>Methods in Molecular Biology</i> , 2022, 2442, 549-564.	0.4	0
94	Detection of Phosphatidylserine Exposure on Leukocytes Following Treatment with Human Galectins. <i>Methods in Molecular Biology</i> , 2022, 2442, 533-548.	0.4	0
95	Molecular Imaging for In Vivo Tracking and Detection of Galectin Binding Partners. <i>Methods in Molecular Biology</i> , 2022, 2442, 339-352.	0.4	0