Robson Q Monteiro

List of Publications by Year in descending order

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119 papers 4,208 citations

33 h-index 59 g-index

120 all docs

120 docs citations

times ranked

120

5572 citing authors

#	Article	IF	CITATIONS
1	Adenovirus Serotype 5 Hexon Mediates Liver Gene Transfer. Cell, 2008, 132, 397-409.	28.9	573
2	Tumor-derived microvesicles modulate the establishment of metastatic melanoma in a phosphatidylserine-dependent manner. Cancer Letters, 2009, 283, 168-175.	7.2	214
3	Tumor-Derived Exosomes Induce the Formation of Neutrophil Extracellular Traps: Implications For The Establishment of Cancer-Associated Thrombosis. Scientific Reports, 2017, 7, 6438.	3.3	192
4	Blood Coagulation, Inflammation, and Malaria. Microcirculation, 2008, 15, 81-107.	1.8	170
5	Activation of blood coagulation in cancer: implications for tumour progression. Bioscience Reports, 2013, 33, .	2.4	158
6	Thrombocytopenia in Dengue: Interrelationship between Virus and the Imbalance between Coagulation and Fibrinolysis and Inflammatory Mediators. Mediators of Inflammation, 2015, 2015, 1-16.	3.0	140
7	Evoking picomolar binding in RNA by a single phosphorodithioate linkage. Nucleic Acids Research, 2016, 44, 8052-8064.	14.5	94
8	Plasmodium falciparum-infected erythrocytes induce tissue factor expression in endothelial cells and support the assembly of multimolecular coagulation complexes. Journal of Thrombosis and Haemostasis, 2007, 5, 155-165.	3.8	84
9	Identification of Glycyrrhizin as a Thrombin Inhibitor. Biochemical and Biophysical Research Communications, 1997, 235, 259-263.	2.1	82
10	Antithrombotic effect of Glycyrrhizin, a plant-derived thrombin inhibitor. Thrombosis Research, 2003, 112, 93-98.	1.7	80
11	Neutrophil Extracellular Traps (NETs) Promote Pro-Metastatic Phenotype in Human Breast Cancer Cells through Epithelial–Mesenchymal Transition. Cancers, 2020, 12, 1542.	3.7	77
12	Ixolaris, a tissue factor inhibitor, blocks primary tumor growth and angiogenesis in a glioblastoma model. Journal of Thrombosis and Haemostasis, 2009, 7, 1855-1864.	3.8	73
13	IL- $1\hat{1}^2$ Blockade Attenuates Thrombosis in a Neutrophil Extracellular Trap-Dependent Breast Cancer Model. Frontiers in Immunology, 2019, 10, 2088.	4.8	69
14	Ixolaris: a Factor Xa heparin-binding exosite inhibitor. Biochemical Journal, 2005, 387, 871-877.	3.7	65
15	Breast-cancer extracellular vesicles induce platelet activation and aggregation by tissue factor-independent and -dependent mechanisms. Thrombosis Research, 2017, 159, 24-32.	1.7	65
16	Alboserpin, a Factor Xa Inhibitor from the Mosquito Vector of Yellow Fever, Binds Heparin and Membrane Phospholipids and Exhibits Antithrombotic Activity. Journal of Biological Chemistry, 2011, 286, 27998-28010.	3.4	62
17	Lufaxin, a Novel Factor Xa Inhibitor From the Salivary Gland of the Sand Fly <i>Lutzomyia longipalpis</i> Blocks Protease-Activated Receptor 2 Activation and Inhibits Inflammation and Thrombosis In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2185-2198.	2.4	62
18	Serpin-independent anticoagulant activity of a fucosylated chondroitin sulfate. Thrombosis and Haemostasis, 2008, 100, 420-428.	3.4	61

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19	Antithrombotic properties of Ixolaris, a potent inhibitor of the extrinsic pathway of the coagulation cascade. Thrombosis and Haemostasis, 2006, 96, 7-13.	3.4	60
20	Desmolaris, a novel factor XIa anticoagulant from the salivary gland of the vampire bat (Desmodus) Tj ETQq0 0	0 rgBT /Ον	erlock 10 Tf 5
21	Malignant transformation in melanocytes is associated with increased production of procoagulant microvesicles. Thrombosis and Haemostasis, 2011, 106, 712-723.	3.4	50
22	Intercellular transfer of tissue factor via the uptake of tumor-derived microvesicles. Thrombosis Research, 2013, 132, 450-456.	1.7	45
23	Mechanisms of ouabain toxicity. FASEB Journal, 2003, 17, 1700-1702.	0.5	43
24	Simultaneous tissue factor expression and phosphatidylserine exposure account for the highly procoagulant pattern of melanoma cell lines. Melanoma Research, 2009, 19, 301-308.	1.2	43
25	Ixolaris binding to factor X reveals a precursor state of factor Xa heparin-binding exosite. Protein Science, 2007, 17, 146-153.	7.6	42
26	Aegyptin displays highâ€affinity for the von Willebrand factor binding site (RGQOGVMGF) in collagen and inhibits carotid thrombus formation ⟨i⟩inâ€fvivo⟨ i⟩. FEBS Journal, 2010, 277, 413-427.	4.7	42
27	On the molecular mechanisms for the highly procoagulant pattern of C6 glioma cells. Journal of Thrombosis and Haemostasis, 2006, 4, 1546-1552.	3.8	40
28	Novel Aspects of Extracellular Vesicles as Mediators of Cancer-Associated Thrombosis. Cells, 2019, 8, 716.	4.1	39
29	Protease-activated receptor-2 (PAR2) mediates VEGF production through the ERK1/2 pathway in human glioblastoma cell lines. Biochemical and Biophysical Research Communications, 2012, 421, 221-227.	2.1	38
30	Structural and Functional Analysis of a Platelet-Activating Lysophosphatidylcholine of Trypanosoma cruzi. PLoS Neglected Tropical Diseases, 2014, 8, e3077.	3.0	37
31	Positive crosstalk between EGFR and the TF-PAR2 pathway mediates resistance to cisplatin and poor survival in cervical cancer. Oncotarget, 2018, 9, 30594-30609.	1.8	37
32	The tickâ€derived inhibitor Ixolaris prevents tissue factor signaling on tumor cells. Journal of Thrombosis and Haemostasis, 2012, 10, 1849-1858.	3.8	36
33	Lysophosphatidylcholine Acts as an Anti-hemostatic Molecule in the Saliva of the Blood-sucking Bug Rhodnius prolixus. Journal of Biological Chemistry, 2003, 278, 27766-27771.	3.4	35
34	Identification and Mechanistic Analysis of a Novel Tick-Derived Inhibitor of Thrombin. PLoS ONE, 2015, 10, e0133991.	2.5	35
35	Platelet-monocyte interaction amplifies thromboinflammation through tissue factor signaling in COVID-19. Blood Advances, 2022, 6, 5085-5099.	5.2	32
36	Plasmodium falciparum Infection Induces Expression of a Mosquito Salivary Protein (Agaphelin) That Targets Neutrophil Function and Inhibits Thrombosis without Impairing Hemostasis. PLoS Pathogens, 2014, 10, e1004338.	4.7	31

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37	In Vitro Mode of Action and Anti-thrombotic Activity of Boophilin, a Multifunctional Kunitz Protease Inhibitor from the Midgut of a Tick Vector of Babesiosis, Rhipicephalus microplus. PLoS Neglected Tropical Diseases, 2016, 10, e0004298.	3.0	30
38	Defibrotide Interferes With Several Steps of the Coagulation-Inflammation Cycle and Exhibits Therapeutic Potential to Treat Severe Malaria. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 786-798.	2.4	29
39	Structural Basis for the Interaction of Human \hat{l}^2 -Defensin 6 and Its Putative Chemokine Receptor CCR2 and Breast Cancer Microvesicles. Journal of Molecular Biology, 2013, 425, 4479-4495.	4.2	29
40	Inhibition of tissue factor by ixolaris reduces primary tumor growth and experimental metastasis in a murine model of melanoma. Thrombosis Research, 2012, 130, e163-e170.	1.7	28
41	Characterization of bothrojaracin interaction with human prothrombin. Protein Science, 2001, 10, 1897-1904.	7.6	27
42	Anticoagulant activity of a sulfated galactan: Serpin-independent effect and specific interaction with factor Xa. Thrombosis and Haemostasis, 2009, 102, 1183-1193.	3.4	27
43	Nitrophorin 2, a factor IX(a)-directed anticoagulant, inhibits arterial thrombosis without impairing haemostasis. Thrombosis and Haemostasis, 2010, 104, 1116-1123.	3.4	27
44	Inorganic phosphate transporters in cancer: Functions, molecular mechanisms and possible clinical applications. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1870, 291-298.	7.4	27
45	Proteolytic action of Bothrops jararaca venom upon its own constituents. Toxicon, 2001, 39, 787-792.	1.6	26
46	Bothrojaracin, a Proexosite I Ligand, Inhibits Factor Va-Accelerated Prothrombin Activation. Thrombosis and Haemostasis, 2002, 87, 288-293.	3.4	26
47	Allosteric Changes of Thrombin Catalytic Site Induced by Interaction of Bothrojaracin with Anion-Binding Exosites I and II. Biochemical and Biophysical Research Communications, 1999, 262, 819-822.	2.1	25
48	Counteracting effect of glycyrrhizin on the hemostatic abnormalities induced by Bothrops jararaca snake venom. British Journal of Pharmacology, 2006, 148, 807-813.	5.4	25
49	Hypoxia regulates the expression of tissue factor pathway signaling elements in a rat glioma model. Oncology Letters, 2016, 12, 315-322.	1.8	24
50	Ixonnexin from Tick Saliva Promotes Fibrinolysis by Interacting with Plasminogen and Tissue-Type Plasminogen Activator, and Prevents Arterial Thrombosis. Scientific Reports, 2018, 8, 4806.	3.3	24
51	Expression of tissue factor signaling pathway elements correlates with the production of vascular endothelial growth factor and interleukin-8 in human astrocytoma patients. Oncology Reports, 2014, 31, 679-686.	2.6	23
52	Glycoinositolphospholipids from Trypanosomatids Subvert Nitric Oxide Production in Rhodnius prolixus Salivary Glands. PLoS ONE, 2012, 7, e47285.	2.5	22
53	Distinct bothrojaracin isoforms produced by individual jararaca (Bothrops jararaca) snakes. Toxicon, 1997, 35, 649-657.	1.6	21
54	Structural and thermodynamic analysis of thrombin:suramin interaction in solution and crystal phases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 873-881.	2.3	21

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55	Evidence for increased expression of tissue factor and protease-activated receptor-1 in human esophageal cancer. Oncology Reports, 2009, 21, 1599-604.	2.6	21
56	Serpin-independent anticoagulant activity of a fucosylated chondroitin sulfate. Thrombosis and Haemostasis, 2008, 100, 420-8.	3.4	21
57	Atazanavir Is a Competitive Inhibitor of SARS-CoV-2 Mpro, Impairing Variants Replication In Vitro and In Vivo. Pharmaceuticals, 2022, 15, 21.	3.8	21
58	Platelet-activating factor-like activity isolated from Trypanosoma cruzi. International Journal for Parasitology, 2006, 36, 165-173.	3.1	20
59	Recombinant human DNase I for the treatment of cancer-associated thrombosis: A pre-clinical study. Thrombosis Research, 2021, 203, 131-137.	1.7	20
60	Fundamentals in Covid-19-Associated Thrombosis: Molecular and Cellular Aspects. Frontiers in Cardiovascular Medicine, 2021, 8, 785738.	2.4	20
61	Bothrojaracin, a <i>Bothrops jararaca</i> Snake Venom-Derived (Pro)Thrombin Inhibitor, as an Anti-Thrombotic Molecule. Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research, 2005, 34, 160-163.	0.3	18
62	H+-dependent inorganic phosphate transporter in breast cancer cells: Possible functions in the tumor microenvironment. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2180-2188.	3.8	18
63	Inhibition of Prothrombin Activation by Bothrojaracin, a C-Type Lectin from Bothrops jararaca Venom. Archives of Biochemistry and Biophysics, 2000, 382, 123-128.	3.0	17
64	Targeting exosites on blood coagulation proteases. Anais Da Academia Brasileira De Ciencias, 2005, 77, 275-280.	0.8	17
65	Increased expression of tissue factor and protease-activated receptor-1 does not correlate with thrombosis in human lung adenocarcinoma. Brazilian Journal of Medical and Biological Research, 2010, 43, 403-408.	1.5	17
66	Increased expression of protease-activated receptor 1 (PAR-1) in human leukemias. Blood Cells, Molecules, and Diseases, 2011, 46, 230-234.	1.4	17
67	Characterization and internalization of small extracellular vesicles released by human primary macrophages derived from circulating monocytes. PLoS ONE, 2020, 15, e0237795.	2.5	16
68	Salivary Thromboxane A2-Binding Proteins from Triatomine Vectors of Chagas Disease Inhibit Platelet-Mediated Neutrophil Extracellular Traps (NETs) Formation and Arterial Thrombosis. PLoS Neglected Tropical Diseases, 2015, 9, e0003869.	3.0	16
69	Characterization of inorganic phosphate transport in the triple-negative breast cancer cell line, MDA-MB-231. PLoS ONE, 2018, 13, e0191270.	2.5	16
70	Nitrophorin 2, a factor IX(a)-directed anticoagulant, inhibits arterial thrombosis without impairing haemostasis. Thrombosis and Haemostasis, 2010, 104, 1116-23.	3.4	16
71	Suramin interaction with human α-thrombin: inhibitory effects and binding studies. International Journal of Biochemistry and Cell Biology, 2004, 36, 2077-2085.	2.8	15
72	Protease-activated receptor 2 (PAR2) upregulates granulocyte colony stimulating factor (G-CSF) expression in breast cancer cells. Biochemical and Biophysical Research Communications, 2018, 504, 270-276.	2.1	15

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73	Bothrops jararaca snakes produce several bothrojaracin isoforms following an individual pattern. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 120, 791-798.	1.6	14
74	New insights into conformational and functional stability of human \hat{l}_{\pm} -thrombin probed by high hydrostatic pressure. FEBS Journal, 2004, 271, 3580-3587.	0.2	14
75	Aegyptin inhibits collagen-induced coagulation activation in vitro and thromboembolism in vivo. Biochemical and Biophysical Research Communications, 2013, 436, 235-239.	2.1	14
76	Blood coagulation abnormalities in multibacillary leprosy patients. PLoS Neglected Tropical Diseases, 2018, 12, e0006214.	3.0	14
77	Oral Route Driven Acute Trypanosoma cruzi Infection Unravels an IL-6 Dependent Hemostatic Derangement. Frontiers in Immunology, 2019, 10, 1073.	4.8	14
78	Platelet Activating Factor Blocks Interkinetic Nuclear Migration in Retinal Progenitors through an Arrest of the Cell Cycle at the S/G2 Transition. PLoS ONE, 2011, 6, e16058.	2.5	14
79	Assembly and regulation of prothrombinase complex on B16F10 melanoma cells. Thrombosis Research, 2005, 115, 123-129.	1.7	13
80	Tissue factor mediates microvesicles shedding from MDA-MB-231 breast cancer cells. Biochemical and Biophysical Research Communications, 2018, 502, 137-144.	2.1	13
81	Interplay Between EGFR and the Platelet-Activating Factor/PAF Receptor Signaling Axis Mediates Aggressive Behavior of Cervical Cancer. Frontiers in Oncology, 2020, 10, 557280.	2.8	13
82	Variability of bothrojaracin isoforms and other venom principles in individual jararaca (Bothrops) Tj ETQq0 0 0 0	gBT /Overlo	ock 10 Tf 50 3
83	Suramin counteracts the haemostatic disturbances produced by Bothrops jararaca snake venom. Toxicon, 2007, 49, 931-938.	1.6	12
84	Lung adenocarcinoma and antiphospholipid antibodies. Autoimmunity Reviews, 2009, 8, 529-532.	5.8	12
85	Exploiting the antithrombotic effect of the (pro)thrombin inhibitor bothrojaracin. Toxicon, 2016, 119, 46-51.	1.6	12
86	Subunit Dissociation, Unfolding, and Inactivation of Bothrojaracin, a C-Type Lectin-like Protein from Snake Venomâ€. Biochemistry, 2003, 42, 509-515.	2.5	11
87	Leishmania amazonensis exhibits phosphatidylserine-dependent procoagulant activity, a process that is counteracted by sandfly saliva. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 679-685.	1.6	11
88	Thrombomodulin modulates cell migration in human melanoma cell lines. Melanoma Research, 2014, 24, 11-19.	1.2	10
89	NMR structure determination of Ixolaris and factor X(a) interaction reveals a noncanonical mechanism of Kunitz inhibition. Blood, 2019, 134, 699-708.	1.4	10
90	Intracerebral hemorrhage associated with vaccine-induced thrombotic thrombocytopenia following ChAdOx1 nCOVID-19 vaccine in a pregnant woman. Haematologica, 2021, 106, 3025-3028.	3 . 5	10

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91	Sulfated galactan is a catalyst of antithrombin-mediated inactivation of α-thrombin. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 1047-1053.	2.4	9
92	Venous thrombosis risk: Effects of palm oil and hydrogenated fat diet in rats. Nutrition, 2011, 27, 233-238.	2.4	9
93	99mTc-ixolaris targets glioblastoma-associated tissue factor: In vitro and pre-clinical applications. Thrombosis Research, 2015, 136, 432-439.	1.7	9
94	\hat{l}^2 -Lapachone enhances the antifungal activity of fluconazole against a Pdr5p-mediated resistant Saccharomyces cerevisiae strain. Brazilian Journal of Microbiology, 2020, 51, 1051-1060.	2.0	9
95	Bothrojaracin, a proexosite I ligand, inhibits factor Va-accelerated prothrombin activation. Thrombosis and Haemostasis, 2002, 87, 288-93.	3.4	9
96	Tissue factor expression on monocytes from patients with severe dengue fever. Blood Cells, Molecules, and Diseases, 2010, 45, 334-335.	1.4	8
97	Structure and Behavior of Human α-Thrombin upon Ligand Recognition: Thermodynamic and Molecular Dynamics Studies. PLoS ONE, 2011, 6, e24735.	2.5	8
98	Interaction of Bothrojaracin with Prothrombin. Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research, 2001, 31, 273-278.	0.3	7
99	TR47, a PAR1-based peptide, inhibits melanoma cell migration inÂvitro and metastasis inÂvivo. Biochemical and Biophysical Research Communications, 2018, 495, 1300-1304.	2.1	7
100	Apixaban, an orally available anticoagulant, inhibits SARS-CoV-2 replication and its major protease in a non-competitive way. Journal of Molecular Cell Biology, 2022, 14, .	3.3	7
101	Pisum sativum Defensin 1 Eradicates Mouse Metastatic Lung Nodules from B16F10 Melanoma Cells. International Journal of Molecular Sciences, 2020, 21, 2662.	4.1	6
102	Cellular and Molecular Immunology Approaches for the Development of Immunotherapies against the New Coronavirus (SARS-CoV-2): Challenges to Near-Future Breakthroughs. Journal of Immunology Research, 2020, 2020, 1-21.	2.2	6
103	Procoagulant properties of human MV3 melanoma cells. Brazilian Journal of Medical and Biological Research, 2008, 41, 99-105.	1.5	6
104	Protease-activated receptor 1 (PAR1): a promising target for the treatment of glioblastoma?. Translational Cancer Research, 2016, 5, S1274-S1280.	1.0	6
105	Ecotin modulates thrombin activity through exosite-2 interactions. International Journal of Biochemistry and Cell Biology, 2006, 38, 1893-1900.	2.8	5
106	Ectophosphatase activity in the tripleâ€negative breast cancer cell line MDAâ€MBâ€231. Cell Biology International, 2021, 45, 411-421.	3.0	5
107	Prothrombin fragments containing kringle domains induce migration and activation of human neutrophils. International Journal of Biochemistry and Cell Biology, 2008, 40, 517-529.	2.8	4
108	Crosstalk between BCR-ABL and protease-activated receptor 1 (PAR1) suggests a novel target in chronic myeloid leukemia. Experimental Hematology, 2018, 66, 50-62.	0.4	4

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109	Extracellular vesicle fingerprinting: the next generation for cancer diagnosis?. Signal Transduction and Targeted Therapy, 2020, 5, 263.	17.1	4
110	Tissue factor as a target for the treatment of disseminated intravascular coagulation. Thrombosis Research, 2011, 127, 495-496.	1.7	3
111	Development of 1311-ixolaris as a theranostic agent: metastatic melanoma preclinical studies. Clinical and Experimental Metastasis, 2020, 37, 489-497.	3.3	3
112	1H, 15N and 13C resonance assignments of Ixolaris, a tissue factor pathway inhibitor from the tick salivary gland. Biomolecular NMR Assignments, 2017, 11, 293-296.	0.8	2
113	Recombinant expression of Ixolaris, a Kunitz-type inhibitor from the tick salivary gland, for NMR studies. Protein Expression and Purification, 2017, 139, 49-56.	1.3	2
114	Pyrazolyl-Tetrazoles and Imidazolyl-Pyrazoles as Potential Anticoagulants and their Integrated Multiplex Analysis Virtual Screening. Journal of the Brazilian Chemical Society, 2018, , .	0.6	2
115	Epidermal growth factor receptor regulates fibrinolytic pathway elements in cervical cancer: functional and prognostic implications. Brazilian Journal of Medical and Biological Research, 2021, 54, e10754.	1.5	2
116	Allosteric activation of human \hat{l}_{\pm} -thrombin through exosite 2 by suramin analogs. Archives of Biochemistry and Biophysics, 2012, 520, 36-41.	3.0	1
117	Hematophagy and Inhibition of the Extrinsic and Intrinsic Tenase Complexes. , 2010, , 219-237.		1
118	Correlation of Thrombosis and Prothrombotic Markers with Outcome in Lung Adenocarcinoma Patients: A Prospective Study Blood, 2007, 110, 3985-3985.	1.4	1
119	Protease-activated receptor-2 (PAR2) mediates VEGF production through the ERK1/2 pathway in human glioblastoma cell lines. Thrombosis Research, 2012, 129, S190-S191.	1.7	0