

Bernard Le Bonniec

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6430669/publications.pdf>

Version: 2024-02-01

69
papers

2,138
citations

236833

25
h-index

233338

45
g-index

74
all docs

74
docs citations

74
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Prothrombin Complex Concentrate and Recombinant Activated Factor VII to Reverse Rivaroxaban in a Rabbit Model. <i>Anesthesiology</i> , 2012, 116, 94-102.	1.3	250
2	Glu-192→Gln substitution in thrombin mimics the catalytic switch induced by thrombomodulin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 7371-7375.	3.3	159
3	Control of the coagulation system by serpins. <i>FEBS Journal</i> , 2005, 272, 4842-4851.	2.2	117
4	Evaluation of recombinant activated factor VII, prothrombin complex concentrate, and fibrinogen concentrate to reverse apixaban in a rabbit model of bleeding and thrombosis. <i>International Journal of Cardiology</i> , 2013, 168, 4228-4233.	0.8	96
5	Characterization of the P2 and P3 Specificities of Thrombin Using Fluorescence-Quenched Substrates and Mapping of the Subsites by Mutagenesis,. <i>Biochemistry</i> , 1996, 35, 7114-7122.	1.2	90
6	The thrombin E192Q-BPTI complex reveals gross structural rearrangements: implications for the interaction with antithrombin and thrombomodulin. <i>EMBO Journal</i> , 1997, 16, 2977-2984.	3.5	81
7	Cleaved antitrypsin polymers at atomic resolution. <i>Protein Science</i> , 2000, 9, 417-420.	3.1	73
8	Low Molecular Weight Fucoidan and Heparin Enhance the Basic Fibroblast Growth Factor-Induced Tube Formation of Endothelial Cells through Heparan Sulfate-Dependent ±6 Overexpression. <i>Molecular Pharmacology</i> , 2003, 64, 696-702.	1.0	71
9	[21] Protein C activation. <i>Methods in Enzymology</i> , 1993, 222, 359-385.	0.4	62
10	<i>Lonomia obliqua</i> Caterpillar Spicules Trigger Human Blood Coagulation via Activation of Factor X and Prothrombin. <i>Thrombosis and Haemostasis</i> , 1998, 79, 539-542.	1.8	56
11	Inhibitory mechanism of serpins. Identification of steps involving the active-site serine residue of the protease. <i>Journal of Molecular Biology</i> , 1997, 265, 344-362.	2.0	55
12	Mapping of the Catalytic Groove Preferences of Factor Xa Reveals an Inadequate Selectivity for Its Macromolecule Substrates. <i>Journal of Biological Chemistry</i> , 2002, 277, 20527-20534.	1.6	55
13	Identification of Residues in Thrombin-Modulating Interactions with Antithrombin III and .alpha.1-Antitrypsin. <i>Biochemistry</i> , 1995, 34, 12241-12248.	1.2	54
14	Platelet Factor 4 (CXCL4) Seals Blood Clots by Altering the Structure of Fibrin. <i>Journal of Biological Chemistry</i> , 2007, 282, 710-720.	1.6	54
15	Electrostatic Steering and Ionic Tethering in the Formation of Thrombin~Hirudin Complexes: The Role of the Thrombin Anion-Binding Exosite-I. <i>Biochemistry</i> , 2001, 40, 4972-4979.	1.2	49
16	Thrombin bound to a fibrin clot confers angiogenic and haemostatic properties on endothelial progenitor cells. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 975-986.	1.6	47
17	Role of the P2 Residue in Determining the Specificity of Serpins. <i>Biochemistry</i> , 1996, 35, 11461-11469.	1.2	44
18	Multimodal assessment of non-specific hemostatic agents for apixaban reversal. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 426-436.	1.9	43

#	ARTICLE	IF	CITATIONS
19	Intrinsic Specificity of the Reactive Site Loop of $\hat{1}$ -Antitrypsin, $\hat{1}$ -Antichymotrypsin, Antithrombin III, and Protease Nexin I. <i>Journal of Biological Chemistry</i> , 1997, 272, 16268-16273.	1.6	37
20	The dual role of thrombin's anion-binding exosite-I in the recognition and cleavage of the protease-activated receptor 1. <i>FEBS Journal</i> , 2001, 268, 70-77.	0.2	37
21	Association rate constants rationalise the pharmacodynamics of apixaban and rivaroxaban. <i>Thrombosis and Haemostasis</i> , 2015, 114, 78-86.	1.8	34
22	The $\hat{3}$ -carboxyglutamic acid domain of anticoagulant protein S is involved in activated protein C cofactor activity, independently of phospholipid binding. <i>Blood</i> , 2005, 105, 122-130.	0.6	33
23	Proteolytic Derivatives of Thrombin. <i>Annals of the New York Academy of Sciences</i> , 1986, 485, 16-26.	1.8	31
24	Characterization of the Specificity of Arginine-Specific Gingipains from <i>Porphyromonas gingivalis</i> Reveals Active Site Differences between Different Forms of the Enzymes. <i>Biochemistry</i> , 2003, 42, 11693-11700.	1.2	29
25	Topology of the Stable Serpin-Protease Complexes Revealed by an Autoantibody That Fails to React with the Monomeric Conformers of Antithrombin. <i>Journal of Biological Chemistry</i> , 1999, 274, 4586-4593.	1.6	27
26	Large-Scale Chromatin Immunoprecipitation with Promoter Sequence Microarray Analysis of the Interaction of the NSs Protein of Rift Valley Fever Virus with Regulatory DNA Regions of the Host Genome. <i>Journal of Virology</i> , 2012, 86, 11333-11344.	1.5	26
27	Thrombomodulin Modulates the Mitogenic Response to Thrombin of Human Umbilical Vein Endothelial Cells. <i>Thrombosis and Haemostasis</i> , 1998, 79, 848-852.	1.8	25
28	Molecular Determinants of the Mechanism Underlying Acceleration of the Interaction between Antithrombin and Factor Xa by Heparin Pentasaccharide. <i>Journal of Biological Chemistry</i> , 2002, 277, 15971-15978.	1.6	23
29	Modified ROTEM for the detection of rivaroxaban and apixaban anticoagulant activity in whole blood. <i>European Journal of Anaesthesiology</i> , 2019, 36, 449-456.	0.7	22
30	The Stratagem Utilized by the Plasminogen Activator from the Snake <i>Trimeresurus stejnegeri</i> To Escape Serpins. <i>Biochemistry</i> , 2002, 41, 8478-8484.	1.2	21
31	Thrombin-activable Factor X Re-establishes an Intrinsic Amplification in Tenase-deficient Plasmas. <i>Journal of Biological Chemistry</i> , 2005, 280, 41352-41359.	1.6	21
32	Interaction of heparin with internally quenched fluorogenic peptides derived from heparin-binding consensus sequences, kallistatin and anti-thrombin III. <i>Biochemical Journal</i> , 2002, 366, 435-446.	1.7	18
33	Determination of the P1 $\hat{2}$, P2 $\hat{2}$ and P3 $\hat{2}$ subsite-specificity of factor Xa. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 221-225.	1.2	17
34	A motif within the N-terminal domain of TSP-1 specifically promotes the proangiogenic activity of endothelial colony-forming cells. <i>Biochemical Pharmacology</i> , 2012, 84, 1014-1023.	2.0	17
35	Mapping of the Thrombin des-ETW Conformation by Using Site-Directed Mutants of Hirudin. Evidence for the Induction of Nonlocal Modifications by Mutagenesis. <i>Biochemistry</i> , 1994, 33, 3959-3966.	1.2	16
36	Purification and initial characterization of a novel protein with factor Xa activity from <i>Lonomia obliqua</i> caterpillar spicules. <i>Journal of Mass Spectrometry</i> , 2005, 40, 405-412.	0.7	16

#	ARTICLE	IF	CITATIONS
37	The Immunomodulatory Effect of IrSPI, a Tick Salivary Gland Serine Protease Inhibitor Involved in Ixodes ricinus Tick Feeding. <i>Vaccines</i> , 2019, 7, 148.	2.1	16
38	The Role of Glu192 in the Allosteric Control of the S2â€² and S3â€² Subsites of Thrombin. <i>Journal of Biological Chemistry</i> , 2000, 275, 809-816.	1.6	15
39	Implication of protein S thrombin-sensitive region with membrane binding via conformational changes in the Î³ ³ -carboxyglutamic acid-rich domain. <i>Biochemical Journal</i> , 2001, 360, 499-506.	1.7	15
40	The Elusive Role of the Potential Factor X Cation-binding Exosite-1 in Substrate and Inhibitor Interactions. <i>Journal of Biological Chemistry</i> , 2004, 279, 3671-3679.	1.6	15
41	Allosteric modulation of the activity of thrombin. <i>Biochemical Journal</i> , 1997, 321, 361-365.	1.7	14
42	Ticagrelor reversal: in vitro assessment of four haemostatic agents. <i>Journal of Clinical Pathology</i> , 2017, 70, 733-739.	1.0	14
43	Treprostinil treatment decreases circulating platelet microvesicles and their procoagulant activity in pediatric pulmonary hypertension. <i>Pediatric Pulmonology</i> , 2019, 54, 66-72.	1.0	13
44	Gestational age-related patterns of AMOT methylation are revealed in preterm infant endothelial progenitors. <i>PLoS ONE</i> , 2017, 12, e0186321.	1.1	12
45	Recombinant activated factor VII does not reduce bleeding in rabbits treated with aspirin and clopidogrel. <i>Thrombosis and Haemostasis</i> , 2010, 104, 823-830.	1.8	11
46	Contribution of interactions with the core domain of hirudin to the stability of its complex with thrombin. <i>Biochemical Journal</i> , 1994, 298, 507-510.	1.7	10
47	Epinephrine restores platelet functions inhibited by ticagrelor: A mechanistic approach. <i>European Journal of Pharmacology</i> , 2020, 866, 172798.	1.7	10
48	Implication of protein S thrombin-sensitive region with membrane binding via conformational changes in the Î³ ³ -carboxyglutamic acid-rich domain. <i>Biochemical Journal</i> , 2001, 360, 499.	1.7	10
49	Measurement of glycated albumin in diabetic patients by biospecific affinity chromatography. <i>Biomedical Applications</i> , 1987, 419, 75-83.	1.7	9
50	Structure of a Serpin-Enzyme Complex Probed by Cysteine Substitutions and Fluorescence Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 491-497.	0.2	8
51	FXa-Î±2-Macroglobulin Complex Neutralizes Direct Oral Anticoagulants Targeting FXa In Vitro and In Vivo. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1535-1544.	1.8	7
52	Inherited factor VII deficiency: identification of two novel mutations (A191V and T239P) in the catalytic domain. <i>Thrombosis Research</i> , 2005, 116, 115-120.	0.8	6
53	Recombinant activated factor VII and prothrombin complex concentrates have different effects on bleeding and arterial thrombosis in the haemodiluted rabbit. <i>British Journal of Anaesthesia</i> , 2012, 108, 586-593.	1.5	5
54	Thrombin. , 2013, , 2915-2932.		5

#	ARTICLE	IF	CITATIONS
55	Pulsed cavitation therapy using high-frequency ultrasound for the treatment of deep vein thrombosis in an <i>in vitro</i> model of human blood clot. <i>Physics in Medicine and Biology</i> , 2017, 62, 9282-9294.	1.6	5
56	Dose-effect relationship for several coagulation markers during administration of the direct thrombin inhibitor S 18326 in healthy subjects. <i>British Journal of Clinical Pharmacology</i> , 2002, 53, 147-154.	1.1	4
57	Characterization of a homozygous Gly11Val mutation in the Gla domain of coagulation factor X. <i>Thrombosis Research</i> , 2009, 124, 144-148.	0.8	4
58	Heparin enhances the catalytic activity of des-ETW-thrombin. <i>Biochemical Journal</i> , 1996, 315, 77-83.	1.7	3
59	Thrombin generation test: A reliable tool to evaluate the pharmacodynamics of vitamin K antagonist rodenticides in rats. <i>Pesticide Biochemistry and Physiology</i> , 2018, 146, 19-24.	1.6	3
60	Analysis of ligand-binding data without knowledge of bound or free ligand molar concentration. <i>Analytical Biochemistry</i> , 1988, 174, 280-290.	1.1	2
61	Functional identification of t-PA in crude and purified systems. <i>Thrombosis Research</i> , 1988, 49, 123-130.	0.8	2
62	Plasminogen Activators from Snake Venoms. , 2010, , 371-392.		2
63	STRUCTURE-FUNCTION RELATIONSHIP IN THE PLASMINOGEN ACTIVATOR ISOLATED FROM THE VENOM OF TRIMERESURUS STEJNEGERI. <i>Toxin Reviews</i> , 2007, 26, 1-24.	1.5	1
64	Strategies of neutralization of the direct oral anticoagulants effect: review of the literature. <i>Annales De Biologie Clinique</i> , 2019, 77, 67-78.	0.2	1
65	Functional identification of t-PA in crude and purified systems. <i>Thrombosis Research</i> , 1988, 50, 123-130.	0.8	0
66	Reversal of anticoagulant effects of apixaban with non-specific prohaemostatic agents: an <i>in vitro</i> study. <i>European Heart Journal</i> , 2013, 34, P4854-P4854.	1.0	0
67	Notice of Removal: Evaluation of a new non-invasive ultrasonic device for venous recanalization: Assessment of feasibility and safety of thrombotripsy at 2.25 MHz in an <i>in vitro</i> model of recent venous thrombosis. , 2017, , .		0
68	Strategies of neutralization of the direct oral anticoagulants effect: review of the literature. <i>Hematologie</i> , 2019, 25, 233-247.	0.0	0
69	Une histoire d'arroseur arrosé : dans la cascade, c'est la thrombine qui module la thrombomoduline.. <i>Medecine/Sciences</i> , 2000, 16, 964.	0.0	0