

Teresa Escalante

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,638
citations

159585

30
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Coagulopathy induced by viperid snake venoms in a murine model: Comparison of standard coagulation tests and rotational thromboelastometry. <i>Toxicon</i> , 2022, 214, 121-129.	1.6	2
2	Changes in basement membrane components in an experimental model of skeletal muscle degeneration and regeneration induced by snake venom and myotoxic phospholipase A2. <i>Toxicon</i> , 2021, 192, 46-56.	1.6	5
3	A Biomimetic of Endogenous Tissue Inhibitors of Metalloproteinases: Inhibition Mechanism and Contribution of Composition, Polymer Size, and Shape to the Inhibitory Effect. <i>Nano Letters</i> , 2021, 21, 5663-5670.	9.1	6
4	The Search for Natural and Synthetic Inhibitors That Would Complement Antivenoms as Therapeutics for Snakebite Envenoming. <i>Toxins</i> , 2021, 13, 451.	3.4	38
5	Basement membrane degradation and inflammation play a role in the pulmonary hemorrhage induced by a P-III snake venom metalloproteinase. <i>Toxicon</i> , 2021, 197, 12-23.	1.6	3
6	Analysis of wound exudates reveals differences in the patterns of tissue damage and inflammation induced by the venoms of <i>Daboia russelii</i> and <i>Bothrops asper</i> in mice. <i>Toxicon</i> , 2020, 186, 94-104.	1.6	10
7	Hemorrhagic and procoagulant P-III snake venom metalloproteinases differ in their binding to the microvasculature of mouse cremaster muscle. <i>Toxicon</i> , 2020, 178, 1-3.	1.6	2
8	Synthetic libraries of shark vNAR domains with different cysteine numbers within the CDR3. <i>PLoS ONE</i> , 2019, 14, e0213394.	2.5	24
9	Proteomic Analysis of Human Blister Fluids Following Envenomation by Three Snake Species in India: Differential Markers for Venom Mechanisms of Action. <i>Toxins</i> , 2019, 11, 246.	3.4	14
10	Protease Activity Profiling of Snake Venoms Using High-Throughput Peptide Screening. <i>Toxins</i> , 2019, 11, 170.	3.4	11
11	Site mutation of residues in a loop surrounding the active site of a P I snake venom metalloproteinase abrogates its hemorrhagic activity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 859-863.	2.1	7
12	Unresolved issues in the understanding of the pathogenesis of local tissue damage induced by snake venoms. <i>Toxicon</i> , 2018, 148, 123-131.	1.6	40
13	Systemic vascular leakage induced in mice by Russell's viper venom from Pakistan. <i>Scientific Reports</i> , 2018, 8, 16088.	3.3	14
14	Metalloproteinases in disease: identification of biomarkers of tissue damage through proteomics. <i>Expert Review of Proteomics</i> , 2018, 15, 967-982.	3.0	13
15	Why is Skeletal Muscle Regeneration Impaired after Myonecrosis Induced by Viperid Snake Venoms?. <i>Toxins</i> , 2018, 10, 182.	3.4	40
16	<i>In silico</i> -designed mutations increase variable new-antigen receptor single-domain antibodies for VEGF165 neutralization. <i>Oncotarget</i> , 2018, 9, 28016-28029.	1.8	4
17	Discovery of small molecule inhibitors for the snake venom metalloprotease BaP1 using <i>in silico</i> and <i>in vitro</i> tests. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2018-2022.	2.2	5
18	A Comprehensive View of the Structural and Functional Alterations of Extracellular Matrix by Snake Venom Metalloproteinases (SVMs): Novel Perspectives on the Pathophysiology of Envenoming. <i>Toxins</i> , 2016, 8, 304.	3.4	76

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19	Hemorrhage Caused by Snake Venom Metalloproteinases: A Journey of Discovery and Understanding. <i>Toxins</i> , 2016, 8, 93.	3.4	139
20	Novel Catalytically-Inactive PII Metalloproteinases from a Viperid Snake Venom with Substitutions in the Canonical Zinc-Binding Motif. <i>Toxins</i> , 2016, 8, 292.	3.4	8
21	Viperid Envenomation Wound Exudate Contributes to Increased Vascular Permeability via a DAMPs/TLR-4 Mediated Pathway. <i>Toxins</i> , 2016, 8, 349.	3.4	48
22	Muscle Tissue Damage Induced by the Venom of <i>Bothrops asper</i> : Identification of Early and Late Pathological Events through Proteomic Analysis. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004599.	3.0	35
23	Effects of PI and PIII Snake Venom Haemorrhagic Metalloproteinases on the Microvasculature: A Confocal Microscopy Study on the Mouse Cremaster Muscle. <i>PLoS ONE</i> , 2016, 11, e0168643.	2.5	15
24	Tissue Localization and Extracellular Matrix Degradation by PI, PII and PIII Snake Venom Metalloproteinases: Clues on the Mechanisms of Venom-Induced Hemorrhage. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003731.	3.0	79
25	The lethality test used for estimating the potency of antivenoms against <i>Bothrops asper</i> snake venom: Pathophysiological mechanisms, prophylactic analgesia, and a surrogate <i>in vitro</i> assay. <i>Toxicon</i> , 2015, 93, 41-50.	1.6	26
26	Understanding structural and functional aspects of PII snake venom metalloproteinases: Characterization of BlatH1, a hemorrhagic dimeric enzyme from the venom of <i>Bothriechis lateralis</i> . <i>Biochimie</i> , 2014, 101, 145-155.	2.6	21
27	Homogenates of skeletal muscle injected with snake venom inhibit myogenic differentiation in cell culture. <i>Muscle and Nerve</i> , 2013, 47, 202-212.	2.2	10
28	Proteomic analysis of <i>Bothrops pirajai</i> snake venom and characterization of BpirMP, a new P-I metalloproteinase. <i>Journal of Proteomics</i> , 2013, 80, 250-267.	2.4	43
29	<i>Bothrops asper</i> Metalloproteinase BaP1. , 2013, , 984-987.		0
30	Efficacy of IgG and F(ab ϵ) ₂ Antivenoms to Neutralize Snake Venom-induced Local Tissue Damage as Assessed by the Proteomic Analysis of Wound Exudate. <i>Journal of Proteome Research</i> , 2012, 11, 292-305.	3.7	20
31	Proteomics of Wound Exudate in Snake Venom-Induced Pathology: Search for Biomarkers To Assess Tissue Damage and Therapeutic Success. <i>Journal of Proteome Research</i> , 2011, 10, 1987-2005.	3.7	36
32	Role of Collagens and Perlecan in Microvascular Stability: Exploring the Mechanism of Capillary Vessel Damage by Snake Venom Metalloproteinases. <i>PLoS ONE</i> , 2011, 6, e28017.	2.5	71
33	High resolution analysis of snake venom metalloproteinase (SVMP) peptide bond cleavage specificity using proteome based peptide libraries and mass spectrometry. <i>Journal of Proteomics</i> , 2011, 74, 401-410.	2.4	42
34	Key events in microvascular damage induced by snake venom hemorrhagic metalloproteinases. <i>Journal of Proteomics</i> , 2011, 74, 1781-1794.	2.4	187
35	Tissue pathology induced by snake venoms: How to understand a complex pattern of alterations from a systems biology perspective?. <i>Toxicon</i> , 2010, 55, 166-170.	1.6	39
36	Experimental pathology of local tissue damage induced by <i>Bothrops asper</i> snake venom. <i>Toxicon</i> , 2009, 54, 958-975.	1.6	160

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37	Experimental pathophysiology of systemic alterations induced by Bothrops asper snake venom. <i>Toxicon</i> , 2009, 54, 976-987.	1.6	124
38	Wound Exudate as a Proteomic Window to Reveal Different Mechanisms of Tissue Damage by Snake Venom Toxins. <i>Journal of Proteome Research</i> , 2009, 8, 5120-5131.	3.7	72
39	Snake Venom Metalloproteinases. , 2009, , 115-138.		7
40	Skin Pathology Induced by Snake Venom Metalloproteinase: Acute Damage, Revascularization, and Re-epithelization in a Mouse Ear Model. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2421-2428.	0.7	65
41	Novel insights into capillary vessel basement membrane damage by snake venom hemorrhagic metalloproteinases: A biochemical and immunohistochemical study. <i>Archives of Biochemistry and Biophysics</i> , 2006, 455, 144-153.	3.0	96
42	Blood flow is required for rapid endothelial cell damage induced by a snake venom hemorrhagic metalloproteinase. <i>Microvascular Research</i> , 2006, 71, 55-63.	2.5	34
43	Thrombocytopenia and platelet hypoaggregation induced by Bothrops asper snake venom. <i>Thrombosis and Haemostasis</i> , 2005, 94, 123-131.	3.4	65
44	Hemorrhage induced by snake venom metalloproteinases: biochemical and biophysical mechanisms involved in microvessel damage. <i>Toxicon</i> , 2005, 45, 997-1011.	1.6	368
45	Role of the snake venom toxin jararhagin in proinflammatory pathogenesis: In vitro and in vivo gene expression analysis of the effects of the toxin. <i>Archives of Biochemistry and Biophysics</i> , 2005, 441, 1-15.	3.0	57
46	Bothrops asper metalloproteinase BaP1 is inhibited by $\hat{\pm}$ 2-macroglobulin and mouse serum and does not induce systemic hemorrhage or coagulopathy. <i>Toxicon</i> , 2004, 43, 213-217.	1.6	34
47	Effect of the metalloproteinase inhibitor batimastat in the systemic toxicity induced by Bothrops asper snake venom: understanding the role of metalloproteinases in envenomation. <i>Toxicon</i> , 2004, 43, 417-424.	1.6	71
48	Pulmonary hemorrhage induced by jararhagin, a metalloproteinase from Bothrops jararaca snake venom. <i>Toxicology and Applied Pharmacology</i> , 2003, 193, 17-28.	2.8	60
49	Increments in cytokines and matrix metalloproteinases in skeletal muscle after injection of tissue-damaging toxins from the venom of the snake <i>Bothrops asper</i> . <i>Mediators of Inflammation</i> , 2002, 11, 121-128.	3.0	102
50	The venom of Bothrops asper from Guatemala: toxic activities and neutralization by antivenoms. <i>Toxicon</i> , 2001, 39, 401-405.	1.6	33
51	Characterization of Aspercetin, a Platelet Aggregating Component from the Venom of the Snake Bothrops asper which Induces Thrombocytopenia and Potentiates Metalloproteinase-induced Hemorrhage. <i>Thrombosis and Haemostasis</i> , 2001, 85, 710-715.	3.4	59
52	Effectiveness of batimastat, a synthetic inhibitor of matrix metalloproteinases, in neutralizing local tissue damage induced by BaP1, a hemorrhagic metalloproteinase from the venom of the snake Bothrops asper. <i>Biochemical Pharmacology</i> , 2000, 60, 269-274.	4.4	98