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List of Publications by Year
in descending order

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48 papers	1,760 citations	331670 21 h-index	276875 41 g-index

51 all docs	51 docs citations	51 times ranked	1543 citing authors

#	Article	IF	Citations
1	Characterization of Four Medically Important Toxins from Centruroides huichol Scorpion Venom and Its Neutralization by a Single Recombinant Antibody Fragment. Toxins, 2022, 14, 369.	3.4	5
2	Structural and functional characterization of NDBP-4 family antimicrobial peptides from the scorpion Mesomexovis variegatus. Peptides, 2021, 141, 170553.	2.4	7
3	The venom of the scorpion Centruroides limpidus, which causes the highest number of stings in Mexico, is neutralized by two recombinant antibody fragments. Molecular Immunology, 2021, 137, 247-255.	2.2	5
4	Full Neutralization of Centruroides sculpturatus Scorpion Venom by Combining Two Human Antibody Fragments. Toxins, 2021, 13, 708.	3.4	6
5	The three-dimensional structure of the toxic peptide Cl13 from the scorpion Centruroides limpidus. Toxicon, 2020, 184, 158-166.	1.6	6
6	Biochemical, electrophysiological and immunological characterization of the venom from Centruroides baergi, a new scorpion species of medical importance in Mexico. Toxicon, 2020, 184, 10-18.	1.6	9
7	Comparative assessment of the VH-VL and VL-VH orientations of single-chain variable fragments of scorpion toxin-neutralizing antibodies. Molecular Immunology, 2020, 122, 141-147.	2.2	8
8	The Dual Î±-Amidation System in Scorpion Venom Glands. Toxins, 2019, 11, 425.	3.4	31
9	Generation of a Broadly Cross-Neutralizing Antibody Fragment against Several Mexican Scorpion Venoms. Toxins, 2019, 11, 32.	3.4	19
10	Intraspecific variation of Centruroides sculpturatus scorpion venom from two regions of Arizona. Archives of Biochemistry and Biophysics, 2018, 638, 52-57.	3.0	17
11	Stabilizing an amyloidogenic Î»6 light chain variable domain. FEBS Journal, 2017, 284, 3702-3717.	4.7	9
12	Functional and immuno-reactive characterization of a previously undescribed peptide from the venom of the scorpion Centruroides limpidus. Peptides, 2017, 87, 34-40.	2.4	16
13	Updating knowledge on new medically important scorpion species in Mexico. Toxicon, 2017, 138, 130-137.	1.6	20
14	Broadening the neutralizing capacity of a family of antibody fragments against different toxins from Mexican scorpions. Toxicon, 2016, 119, 52-63.	1.6	26
15	Isolation, chemical and functional characterization of several new K+-channel blocking peptides from the venom of the scorpion Centruroides tecomanus. Toxicon, 2016, 115, 1-12.	1.6	24
16	Optimal Neutralization of Centruroides noxius Venom Is Understood through a Structural Complex between Two Antibody Fragments and the Cn2 Toxin. Journal of Biological Chemistry, 2016, 291, 1619-1630.	3.4	19
17	Simple approach for ranking structure determining residues. PeerJ, 2016, 4, e2136.	2.0	2
18	Transcriptome Analysis of Scorpion Species Belonging to the Vaejovis Genus. PLoS ONE, 2015, 10, e0117188.	2.5	56

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19	Recombinant Neutralizing Antibodies, A New Generation of Antivenoms. , 2015, , 139-159.		1
20	Site-directed Mutagenesis Reveals Regions Implicated in the Stability and Fiber Formation of Human Î»3r Light Chains. Journal of Biological Chemistry, 2015, 290, 2577-2592.	3.4	11
21	Identification of Bacillus thuringiensis Cry3Aa toxin domain II loop 1 as the binding site of Tenebrio molitor cadherin repeat CR12. Insect Biochemistry and Molecular Biology, 2015, 59, 50-57.	2.7	9
22	Peptides from the scorpion Vaejovis punctatus with broad antimicrobial activity. Peptides, 2015, 73, 51-59.	2.4	36
23	The Structural Determinants of the Immunoglobulin Light Chain Amyloid Aggregation. , 2015, , 1-28.		1
24	A novel human recombinant antibody fragment capable of neutralizing Mexican scorpion toxins. Toxicon, 2013, 76, 370-376.	1.6	23
25	Precursor De13.1 from Conus delessertii defines the novel G gene superfamily. Peptides, 2013, 41, 17-20.	2.4	14
26	Recombinant Neutralizing Antibodies, A New Generation of Antivenoms. , 2013, , 1-19.		0
27	Gene cloning and functional characterization of four novel antimicrobial-like peptides from scorpions of the family Vaejovidae. Peptides, 2012, 34, 290-295.	2.4	56
28	Evaluation of three different formats of a neutralizing single chain human antibody against toxin Cn2: Neutralization capacity versus thermodynamic stability. Immunology Letters, 2012, 143, 152-160.	2.5	7
29	A Single Mutation in Framework 2 of the Heavy Variable Domain Improves the Properties of a Diabody and a Related Single-Chain Antibody. Journal of Molecular Biology, 2012, 423, 337-350.	4.2	29
30	Exploiting Cross-reactivity to Neutralize Two Different Scorpion Venoms with One Single Chain Antibody Fragment. Journal of Biological Chemistry, 2011, 286, 6143-6151.	3.4	43
31	Isolation and characterization of a human antibody fragment specific for Ts1 toxin from Tityus serrulatus scorpion. Immunology Letters, 2011, 139, 73-79.	2.5	25
32	Structural Basis of Neutralization of the Major Toxic Component from the Scorpion Centruroides noxius Hoffmann by a Human-derived Single-chain Antibody Fragment. Journal of Biological Chemistry, 2011, 286, 20892-20900.	3.4	19
33	A Single Mutation at the Sheet Switch Region Results in Conformational Changes Favoring Î»6 Light-Chain Fibrillogenesis. Journal of Molecular Biology, 2010, 396, 280-292.	4.2	43
34	Thermodynamic and Kinetic Characterization of a Germ Line Human Î»6 Light-Chain Protein: The Relation between Unfolding and Fibrillogenesis. Journal of Molecular Biology, 2009, 386, 1153-1166.	4.2	43
35	Two Novel Ergtoxins, Blockers of K+-channels, Purified from the Mexican Scorpion Centruroides elegans elegans. Neurochemical Research, 2008, 33, 1525-1533.	3.3	15
36	Proteomic analysis of the venom from the fish eating coral snake Micrurus surinamensis: Novel toxins, their function and phylogeny. Proteomics, 2008, 8, 1919-1932.	2.2	70

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37	Influence of the germline sequence on the thermodynamic stability and fibrillogenicity of human lambda 6 light chains. Proteins: Structure, Function and Bioinformatics, 2008, 72, 684-692.	2.6	61
38	The change of the scFv into the Fab format improves the stability and in vivo toxin neutralization capacity of recombinant antibodies. Molecular Immunology, 2007, 44, 1307-1315.	2.2	70
39	Novel Î±â€conotoxins from Conus spurius and the Î±â€conotoxin EI share highâ€affinity potentiation and lowâ€affinity inhibition of nicotinic acetylcholine receptors. FEBS Journal, 2007, 274, 3972-3985.	4.7	40
40	1H, 13C and 15N resonance assignment of 6aJL2(R25G), a highly fibrillogenic Î»VI light chain variable domain. Biomolecular NMR Assignments, 2007, 1, 159-161.	0.8	4
41	A strategy for the generation of specific human antibodies by directed evolution and phage display. FEBS Journal, 2005, 272, 2591-2601.	4.7	59
42	Bacterial expression, purification and functional characterization of a recombinant chimeric Fab derived from murine mAb BCF2 that neutralizes the venom of the scorpion Centruroides noxius hoffmann. Toxicon, 2004, 43, 43-51.	1.6	18
43	Scorpion toxins specific for Na⁺â€channels. FEBS Journal, 1999, 264, 287-300.	0.2	597
44	Antibody BCF2 against scorpion toxin cn2 fromCentruroides noxius hoffmann: Primary structure and three-dimensional model as free fv fragment and complexed with its antigen. , 1999, 37, 130-143.		19
45	Phospholipin, a novel heterodimeric phospholipase A2 fromPandinus imperatorscorpion venom. FEBS Letters, 1999, 460, 447-450.	2.8	49
46	Antibody BCF2 against scorpion toxin cn2 from Centruroides noxius hoffmann: Primary structure and threeâ€dimensional model as free fv fragment and complexed with its antigen. Proteins: Structure, Function and Bioinformatics, 1999, 37, 130-143.	2.6	1
47	An Insect-Specific Toxin from Centruroides noxius Hoffmann. cDNA, Primary Structure, Three-Dimensional Model and Electrostatic Surface Potentials in Comparison with Other Toxin Variants. FEBS Journal, 1996, 242, 235-242.	0.2	33
48	Toxic peptides and genes encoding toxin Î³ of the Brazilian scorpions Tityus bahiensis and Tityus stigmurus. Biochemical Journal, 1996, 313, 753-760.	3.7	74