Freek J Vonk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9438894/publications.pdf

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25	2,697	471509	580821
papers	citations	17 h-index	25 g-index

26	26	26	2891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex cocktails: the evolutionary novelty of venoms. Trends in Ecology and Evolution, 2013, 28, 219-229.	8.7	785
2	Early evolution of the venom system in lizards and snakes. Nature, 2006, 439, 584-588.	27.8	531
3	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20651-20656.	7.1	412
4	The Burmese python genome reveals the molecular basis for extreme adaptation in snakes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20645-20650.	7.1	260
5	Evolutionary origin and development of snake fangs. Nature, 2008, 454, 630-633.	27.8	149
6	Snake venom: From fieldwork to the clinic. BioEssays, 2011, 33, 269-279.	2.5	87
7	Coagulotoxic Cobras: Clinical Implications of Strong Anticoagulant Actions of African Spitting Naja Venoms That Are Not Neutralised by Antivenom but Are by LY315920 (Varespladib). Toxins, 2018, 10, 516.	3.4	75
8	How the Cobra Got Its Flesh-Eating Venom: Cytotoxicity as a Defensive Innovation and Its Co-Evolution with Hooding, Aposematic Marking, and Spitting. Toxins, 2017, 9, 103.	3.4	71
9	Historical Contingency in a Multigene Family Facilitates Adaptive Evolution of Toxin Resistance. Current Biology, 2016, 26, 1616-1621.	3.9	47
10	Snake Genome Sequencing: Results and Future Prospects. Toxins, 2016, 8, 360.	3.4	31
11	Neutralizing Effects of Small Molecule Inhibitors and Metal Chelators on Coagulopathic Viperinae Snake Venom Toxins. Biomedicines, 2020, 8, 297.	3.2	28
12	Varespladib Inhibits the Phospholipase A2 and Coagulopathic Activities of Venom Components from Hemotoxic Snakes. Biomedicines, 2020, 8, 165.	3.2	27
13	An efficient analytical platform for on-line microfluidic profiling of neuroactive snake venoms towards nicotinic receptor affinity. Toxicon, 2013, 61, 112-124.	1.6	22
14	Widespread Evolution of Molecular Resistance to Snake Venom Î±-Neurotoxins in Vertebrates. Toxins, 2020, 12, 638.	3.4	21
15	Whole snake venoms: Cytotoxic, anti-metastatic and antiangiogenic properties. Toxicon, 2018, 150, 39-49.	1.6	20
16	Neutralising effects of small molecule toxin inhibitors on nanofractionated coagulopathic Crotalinae snake venoms. Acta Pharmaceutica Sinica B, 2020, 10, 1835-1845.	12.0	19
17	Analytical strategies in venomics. Microchemical Journal, 2022, 175, 107187.	4.5	19
18	Differential destructive (non-clotting) fibrinogenolytic activity in Afro-Asian elapid snake venoms and the links to defensive hooding behavior. Toxicology in Vitro, 2019, 60, 330-335.	2.4	18

#	Article	IF	Citations
19	Analytical workflow for rapid screening and purification of bioactives from venom proteomes. Toxicon, 2013, 76, 270-281.	1.6	16
20	Anticoagulant Activity of Naja nigricollis Venom Is Mediated by Phospholipase A2 Toxins and Inhibited by Varespladib. Toxins, 2021, 13, 302.	3.4	16
21	Heterochrony and Early Left-Right Asymmetry in the Development of the Cardiorespiratory System of Snakes. PLoS ONE, 2015, 10, e116416.	2.5	14
22	Development of high-throughput screening assays for profiling snake venom phospholipase A2 activity after chromatographic fractionation. Toxicon, 2020, 184, 28-38.	1.6	10
23	Detection and identification of antibacterial proteins in snake venoms using at-line nanofractionation coupled to LC-MS. Toxicon, 2018, 155, 66-74.	1.6	7
24	Erythrocyte haemotoxicity profiling of snake venom toxins after nanofractionation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1176, 122586.	2.3	7
25	Taxon-selective venom variation in adult and neonate Daboia russelii (Russell's Viper), and antivenom efficacy. Toxicon, 2021, 205, 11-19.	1.6	1