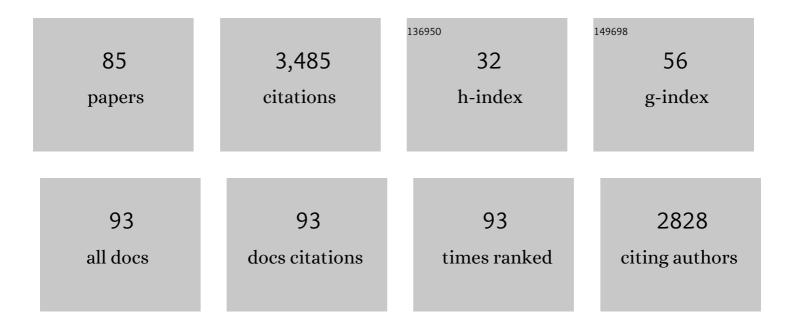
List of Publications by Year in descending order

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| # | Article | lF | CITATIONS |
|----|---|------|-----------|
| 1 | The biology and evolution of spider venoms. Biological Reviews, 2022, 97, 163-178. | 10.4 | 42 |
| 2 | Multitarget nociceptor sensitization by a promiscuous peptide from the venom of the King Baboon spider. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 7 |
| 3 | Towards a generic prototyping approach for therapeutically-relevant peptides and proteins in a cell-free translation system. Nature Communications, 2022, 13, 260. | 12.8 | 5 |
| 4 | The Tarantula Toxin ω-Avsp1a Specifically Inhibits Human CaV3.1 and CaV3.3 via the Extracellular S3-S4 Loop of the Domain 1 Voltage-Sensor. Biomedicines, 2022, 10, 1066. | 3.2 | 2 |
| 5 | Love bites – Do venomous arachnids make safe pets?. Toxicon, 2021, 190, 65-72. | 1.6 | 8 |
| 6 | Muscle spasms – A common symptom following theraphosid spider bites?. Toxicon, 2021, 192, 74-77. | 1.6 | 3 |
| 7 | Animal Venoms—Curse or Cure?. Biomedicines, 2021, 9, 413. | 3.2 | 7 |
| 8 | Pharmacological Inhibition of the Voltage-Gated Sodium Channel NaV1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. ACS Pharmacology and Translational Science, 2021, 4, 1362-1378. | 4.9 | 10 |
| 9 | Multipurpose peptides: The venoms of Amazonian stinging ants contain anthelmintic ponericins with diverse predatory and defensive activities. Biochemical Pharmacology, 2021, 192, 114693. | 4.4 | 10 |
| 10 | A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. Pain, 2021, 162, 569-581. | 4.2 | 28 |
| 11 | The Tarantula Venom Peptide Eo1a Binds to the Domain II S3-S4 Extracellular Loop of Voltage-Gated Sodium Channel NaV1.8 to Enhance Activation. Frontiers in Pharmacology, 2021, 12, 789570. | 3.5 | 4 |
| 12 | Venom Peptides with Dual Modulatory Activity on the Voltage-Gated Sodium Channel Na _V 1.1 Provide Novel Leads for Development of Antiepileptic Drugs. ACS Pharmacology and Translational Science, 2020, 3, 119-134. | 4.9 | 14 |
| 13 | Australian funnel-web spiders evolved human-lethal δ-hexatoxins for defense against vertebrate predators. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24920-24928. | 7.1 | 32 |
| 14 | Heterodimeric Insecticidal Peptide Provides New Insights into the Molecular and Functional Diversity of Ant Venoms. ACS Pharmacology and Translational Science, 2020, 3, 1211-1224. | 4.9 | 8 |
| 15 | Venom of the Red-Bellied Black Snake Pseudechis porphyriacus Shows Immunosuppressive Potential. Toxins, 2020, 12, 674. | 3.4 | 7 |
| 16 | Structural venomics reveals evolution of a complex venom by duplication and diversification of an ancient peptide-encoding gene. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11399-11408. | 7.1 | 59 |
| 17 | Mutational analysis of ProTx-I and the novel venom peptide Pe1b provide insight into residues responsible for selective inhibition of the analgesic drug target NaV1.7. Biochemical Pharmacology, 2020, 181, 114080. | 4.4 | 7 |
| 18 | Animal toxins — Nature's evolutionary-refined toolkit for basic research and drug discovery. Biochemical Pharmacology, 2020, 181, 114096. | 4.4 | 97 |

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|----|---|------|-----------|
| 19 | Addition of K22 Converts Spider Venom Peptide Pme2a from an Activator to an Inhibitor of NaV1.7. Biomedicines, 2020, 8, 37. | 3.2 | 6 |
| 20 | It Takes Two: Dimerization Is Essential for the Broad-Spectrum Predatory and Defensive Activities of the Venom Peptide Mp1a from the Jack Jumper Ant Myrmecia pilosula. Biomedicines, 2020, 8, 185. | 3.2 | 12 |
| 21 | Discovery and characterisation of novel peptides from Amazonian stinging ant venoms with antiparasitic activity. Toxicon, 2020, 177, S60. | 1.6 | 1 |
| 22 | A selective NaV1.1 activator with potential for treatment of Dravet syndrome epilepsy. Biochemical Pharmacology, 2020, 181, 113991. | 4.4 | 19 |
| 23 | A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. Cell, 2019, 178, 1362-1374.e16. | 28.9 | 72 |
| 24 | Development of High-Throughput Fluorescent-Based Screens to Accelerate Discovery of P2X Inhibitors from Animal Venoms. Journal of Natural Products, 2019, 82, 2559-2567. | 3.0 | 10 |
| 25 | The emerging field of venom-microbiomics for exploring venom as a microenvironment, and the corresponding Initiative for Venom Associated Microbes and Parasites (iVAMP). Toxicon: X, 2019, 4, 100016. | 2.9 | 21 |
| 26 | Periplasmic Expression of 4/7 α-Conotoxin TxIA Analogs in E. coli Favors Ribbon Isomer Formation – Suggestion of a Binding Mode at the α7 nAChR. Frontiers in Pharmacology, 2019, 10, 577. | 3.5 | 8 |
| 27 | The antitrypanosomal diarylamidines, diminazene and pentamidine, show anthelmintic activity against Haemonchus contortus in vitro. Veterinary Parasitology, 2019, 270, 40-46. | 1.8 | 12 |
| 28 | Can we resolve the taxonomic bias in spider venom research?. Toxicon: X, 2019, 1, 100005. | 2.9 | 17 |
| 29 | Versatile spider venom peptides and their medical and agricultural applications. Toxicon, 2019, 158, 109-126. | 1.6 | 59 |
| 30 | Arthropod assassins: Crawling biochemists with diverse toxin pharmacopeias. Toxicon, 2019, 158, 33-37. | 1.6 | 21 |
| 31 | The assassin bug Pristhesancus plagipennis produces two distinct venoms in separate gland lumens. Nature Communications, 2018, 9, 755. | 12.8 | 67 |
| 32 | ArachnoServer 3.0: an online resource for automated discovery, analysis and annotation of spider toxins. Bioinformatics, 2018, 34, 1074-1076. | 4.1 | 86 |
| 33 | Buzz Kill: Function and Proteomic Composition of Venom from the Giant Assassin Fly Dolopus genitalis (Diptera: Asilidae). Toxins, 2018, 10, 456. | 3.4 | 12 |
| 34 | Evaluation of Chemical Strategies for Improving the Stability and Oral Toxicity of Insecticidal Peptides. Biomedicines, 2018, 6, 90. | 3.2 | 7 |
| 35 | Selective Na _V 1.1 activation rescues Dravet syndrome mice from seizures and premature death. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8077-E8085. | 7.1 | 105 |
| 36 | Rapid ligand fishing for identification of acetylcholinesterase-binding peptides in snake venom reveals new properties of dendrotoxins. Toxicon, 2018, 152, 1-8. | 1.6 | 16 |

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| 37 | Novel venom-derived inhibitors of the human EAG channel, a putative antiepileptic drug target. Biochemical Pharmacology, 2018, 158, 60-72. | 4.4 | 13 |
| 38 | Dipteran toxicity assays for determining the oral insecticidal activity of venoms and toxins. Toxicon, 2018, 150, 297-303. | 1.6 | 39 |
| 39 | Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883. | 3.3 | 120 |
| 40 | Modulatory features of the novel spider toxin μâ€TRTXâ€Df1a isolated from the venom of the spider <i>Davus fasciatus</i> . British Journal of Pharmacology, 2017, 174, 2528-2544. | 5.4 | 46 |
| 41 | Novel Human Eag Channel Antagonists from Spider Venoms. Biophysical Journal, 2017, 112, 332a. | 0.5 | Ο |
| 42 | Insecticidal activity of a recombinant knottin peptide from <i>Loxosceles intermedia</i> venom and recognition of these peptides as a conserved family in the genus. Insect Molecular Biology, 2017, 26, 25-34. | 2.0 | 17 |
| 43 | Insect-Active Toxins with Promiscuous Pharmacology from the African Theraphosid Spider Monocentropus balfouri. Toxins, 2017, 9, 155. | 3.4 | 10 |
| 44 | Discovery and mode of action of a novel analgesic β-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848. | 2.5 | 22 |
| 45 | Dangerous arachnids—Fake news or reality?. Toxicon, 2017, 138, 173-183. | 1.6 | 58 |
| 46 | Create Guidelines for Characterization of Venom Peptides. Toxins, 2016, 8, 252. | 3.4 | 1 |
| 47 | Characterization of Three Venom Peptides from the Spitting Spider Scytodes thoracica. PLoS ONE, 2016, 11, e0156291. | 2.5 | 6 |
| 48 | Molecular basis of the remarkable species selectivity of an insecticidal sodium channel toxin from the African spider Augacephalus ezendami. Scientific Reports, 2016, 6, 29538. | 3.3 | 25 |
| 49 | Isolation and characterization of a structurally unique β-hairpin venom peptide from the predatory ant Anochetus emarginatus. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2553-2562. | 2.4 | 21 |
| 50 | Isolation of two insecticidal toxins from venom of the Australian theraphosid spider Coremiocnemis tropix. Toxicon, 2016, 123, 62-70. | 1.6 | 14 |
| 51 | Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature, 2016, 534, 494-499. | 27.8 | 239 |
| 52 | Venom from the spider Araneus ventricosus is lethal to insects but inactive in vertebrates. Toxicon, 2016, 115, 63-69. | 1.6 | 6 |
| 53 | The Cystine Knot Is Responsible for the Exceptional Stability of the Insecticidal Spider Toxin ï‰-Hexatoxin-Hv1a. Toxins, 2015, 7, 4366-4380. | 3.4 | 86 |
| 54 | Identification and Characterization of ProTx-III [<i>μ</i> -TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula <i>Thrixopelma pruriens</i> . Molecular Pharmacology, 2015, 88, 291-303. | 2.3 | 72 |

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| 55 | Weaponization of a Hormone: Convergent Recruitment of Hyperglycemic Hormone into the Venom of Arthropod Predators. Structure, 2015, 23, 1283-1292. | 3.3 | 66 |
| 56 | Chapter 8. Therapeutic Applications ofÂSpider-Venom Peptides. RSC Drug Discovery Series, 2015, , 221-244. | 0.3 | 11 |
| 57 | The insecticidal spider toxin <scp>SFI</scp> 1 is a knottin peptide that blocks the pore of insect voltageâ€gated sodium channels via a large βâ€hairpin loop. FEBS Journal, 2015, 282, 904-920. | 4.7 | 34 |
| 58 | Seven novel modulators of the analgesic target <scp>Na_V</scp> 1.7 uncovered using a highâ€ŧhroughput venomâ€based discovery approach. British Journal of Pharmacology, 2015, 172, 2445-2458. | 5.4 | 74 |
| 59 | Methods for Deployment of Spider Venom Peptides as Bioinsecticides. Advances in Insect Physiology, 2014, , 389-411. | 2.7 | 15 |
| 60 | A distinct sodium channel voltage-sensor locus determines insect selectivity of the spider toxin Dc1a. Nature Communications, 2014, 5, 4350. | 12.8 | 63 |
| 61 | The insecticidal neurotoxin Aps III is an atypical knottin peptide that potently blocks insect voltage-gated sodium channels. Biochemical Pharmacology, 2013, 85, 1542-1554. | 4.4 | 33 |
| 62 | The Neurotoxic Mode of Action of Venoms from the Spider Family Theraphosidae. , 2013, , 203-215. | | 2 |
| 63 | The insecticidal potential of venom peptides. Cellular and Molecular Life Sciences, 2013, 70, 3665-3693. | 5.4 | 110 |
| 64 | A Proteomics and Transcriptomics Investigation of the Venom from the Barychelid Spider Trittame loki (Brush-Foot Trapdoor). Toxins, 2013, 5, 2488-2503. | 3.4 | 68 |
| 65 | Do Vicinal Disulfide Bridges Mediate Functionally Important Redox Transformations in Proteins?. Antioxidants and Redox Signaling, 2013, 19, 1976-1980. | 5.4 | 16 |
| 66 | Analysis of intraspecific variation in venoms of Acanthophis antarcticus death adders from South Australia. Journal of Venom Research, 2013, 4, 13-20. | 0.6 | 0 |
| 67 | Spider-Venom Peptides as Bioinsecticides. Toxins, 2012, 4, 191-227. | 3.4 | 190 |
| 68 | 32. Development of High Throughput Calcium ChannelÂAssays to Accelerate the Discovery of NovelÂToxins Targeting Human Cav2.2 Channels. Toxicon, 2012, 60, 111. | 1.6 | 0 |
| 69 | Spider-venom peptides that target voltage-gated sodium channels: Pharmacological tools and potential therapeutic leads. Toxicon, 2012, 60, 478-491. | 1.6 | 202 |
| 70 | ArachnoServer 2.0, an updated online resource for spider toxin sequences and structures. Nucleic Acids Research, 2011, 39, D653-D657. | 14.5 | 159 |
| 71 | TTX, cations and spider venom modify avian muscle tone in vitro. Journal of Venom Research, 2011, 2, 1-5. | 0.6 | 0 |
| 72 | Spider-Venom Peptides as Therapeutics. Toxins, 2010, 2, 2851-2871. | 3.4 | 251 |

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85 Intersexual variations in the venom of the Brazilian â€~armed' spider Phoneutria nigriventer (Keyserling,) Tj ETQq1 1 0.784314 rgE