# Ricardo C RodrÃ-guez De La Vega

List of Publications by Year
in descending order



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|---|---|---|---|
| 50 papers | 3,794 citations | 172457<br>29 h-index | 223800<br>46 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 3743 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Toxicogenomic Multiverse: Convergent Recruitment of Proteins Into Animal Venoms. Annual Review of Genomics and Human Genetics, 2009, 10, 483-511. | 6.2 | 683 |
| 2 | Current views on scorpion toxins specific for K+-channels. Toxicon, 2004, 43, 865-875. | 1.6 | 339 |
| 3 | Overview of scorpion toxins specific for Na+ channels and related peptides: biodiversity, structureâ€"function relationships and evolution. Toxicon, 2005, 46, 831-844. | 1.6 | 332 |
| 4 | Fungal evolutionary genomics provides insight into the mechanisms of adaptive divergence in eukaryotes. Molecular Ecology, 2014, 23, 753-773. | 3.9 | 203 |
| 5 | Novel interactions between K+ channels and scorpion toxins. Trends in Pharmacological Sciences, 2003, 24, 222-227. | 8.7 | 165 |
| 6 | Mining on scorpion venom biodiversity. Toxicon, 2010, 56, 1155-1161. | 1.6 | 158 |
| 7 | Transcriptome analysis of the venom gland of the Mexican scorpion Hadrurus gertschi (Arachnida:) Tj ETQq1 1 0.784314 rgBT /Overlo | 2.8 | 128 |
| 8 | Adaptive Horizontal Gene Transfers between Multiple Cheese-Associated Fungi. Current Biology, 2015, 25, 2562-2569. | 3.9 | 110 |
| 9 | Evolutionary strata on young mating-type chromosomes despite the lack of sexual antagonism. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7067-7072. | 7.1 | 92 |
| 10 | K+ Channel Blockers: Novel Tools to Inhibit T Cell Activation Leading to Specific Immunosuppression. Current Pharmaceutical Design, 2006, 12, 2199-2220. | 1.9 | 89 |
| 11 | Cytolytic and K+ channel blocking activities of Î²-KTx and scorpine-like peptides purified from scorpion venoms. Cellular and Molecular Life Sciences, 2008, 65, 187-200. | 5.4 | 88 |
| 12 | Target Promiscuity and Heterogeneous Effects of Tarantula Venom Peptides Affecting Na+ and K+ Ion Channels. Journal of Biological Chemistry, 2010, 285, 4130-4142. | 3.4 | 84 |
| 13 | Vm24, a Natural Immunosuppressive Peptide, Potently and Selectively Blocks Kv1.3 Potassium Channels of Human T Cells. Molecular Pharmacology, 2012, 82, 372-382. | 2.3 | 83 |
| 14 | Multiple convergent supergene evolution events in mating-type chromosomes. Nature Communications, 2018, 9, 2000. | 12.8 | 81 |
| 15 | Two novel toxins from the Amazonian scorpion Tityus cambridgei that block Kv1.3 and Shaker B K+-channels with distinctly different affinities. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2002, 1601, 123-131. | 2.3 | 74 |
| 16 | Wide phylogenetic distribution of Scorpine and long-chain Î²-KTx-like peptides in scorpion venoms: Identification of â€œorphanâ€• components. Peptides, 2007, 28, 31-37. | 2.4 | 74 |
| 17 | Proteomic analysis of the venom from the fish eating coral snake <b><i>Micrurus surinamensis</i></b>: Novel toxins, their function and phylogeny. Proteomics, 2008, 8, 1919-1932. | 2.2 | 70 |
| 18 | Molecular evidence for an Asian origin of monitor lizards followed by Tertiary dispersals to Africa and Australasia. Biology Letters, 2012, 8, 853-855. | 2.3 | 65 |

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| --- | --- | --- | --- |
| 19 | Coevolution takes the sting out of it: Evolutionary biology and mechanisms of toxin resistance in animals. Toxicon, 2017, 140, 118-131. | 1.6 | 60 |
| 20 | Anuroctoxin, a New Scorpion Toxin of the Î±-KTx 6 Subfamily, Is Highly Selective for Kv1.3 over IKCa1 Ion Channels of Human T Lymphocytes. Molecular Pharmacology, 2005, 67, 1034-1044. | 2.3 | 58 |
| 21 | Domestication of the Emblematic White Cheese-Making Fungus Penicillium camemberti and Its Diversification into Two Varieties. Current Biology, 2020, 30, 4441-4453.e4. | 3.9 | 58 |
| 22 | Novel paradigms on scorpion toxins that affects the activating mechanism of sodium channels. Toxicon, 2007, 49, 171-180. | 1.6 | 52 |
| 23 | Antimicrobial peptide induction in the haemolymph of the Mexican scorpion Centruroides limpidus limpidus in response to septic injury. Cellular and Molecular Life Sciences, 2004, 61, 1507-1519. | 5.4 | 51 |
| 24 | Structure, Function, and Chemical Synthesis of <i>Vaejovis mexicanus</i> Peptide 24: A Novel Potent Blocker of Kv1.3 Potassium Channels of Human T Lymphocytes. Biochemistry, 2012, 51, 4049-4061. | 2.5 | 51 |
| 25 | On the evolution of invertebrate defensins. Trends in Genetics, 2005, 21, 330-332. | 6.7 | 49 |
| 26 | New Tricks of an Old Pattern. Journal of Biological Chemistry, 2012, 287, 12321-12330. | 3.4 | 48 |
| 27 | A selective blocker of Kv1.2 and Kv1.3 potassium channels from the venom of the scorpion Centruroides suffusus suffusus. Biochemical Pharmacology, 2008, 76, 1142-1154. | 4.4 | 46 |
| 28 | Independent domestication events in the blueâ€cheese fungus <i>Penicillium roqueforti</i>. Molecular Ecology, 2020, 29, 2639-2660. | 3.9 | 45 |
| 29 | Sex in Cheese: Evidence for Sexuality in the Fungus Penicillium roqueforti. PLoS ONE, 2012, 7, e49665. | 2.5 | 40 |
| 30 | Cause and Effectors: Whole-Genome Comparisons Reveal Shared but Rapidly Evolving Effector Sets among Host-Specific Plant-Castrating Fungi. MBio, 2019, 10, . | 4.1 | 27 |
| 31 | Gene Presenceâ€"Absence Polymorphism in Castrating Anther-Smut Fungi: Recent Gene Gains and Phylogeographic Structure. Genome Biology and Evolution, 2018, 10, 1298-1314. | 2.5 | 23 |
| 32 | Understanding Adaptation, Coevolution, Host Specialization, and Mating System in Castrating Anther-Smut Fungi by Combining Population and Comparative Genomics. Annual Review of Phytopathology, 2019, 57, 431-457. | 7.8 | 23 |
| 33 | A genome scan of diversifying selection in <i>Ophiocordyceps</i> zombieâ€ant fungi suggests a role for enterotoxins in coâ€evolution and host specificity. Molecular Ecology, 2018, 27, 3582-3598. | 3.9 | 22 |
| 34 | Convergent recombination cessation between mating-type genes and centromeres in selfing anther-smut fungi. Genome Research, 2019, 29, 944-953. | 5.5 | 21 |
| 35 | Solution structure and antiparasitic activity of scorpineâ€like peptides from <i>Hoffmannihadrurus gertschi</i>. FEBS Letters, 2016, 590, 2286-2296. | 2.8 | 20 |
| 36 | NMR solution structure of Cn12, a novel peptide from the Mexican scorpion Centruroides noxius with a typical beta-toxin sequence but with alpha-like physiological activity. FEBS Journal, 2004, 271, 2504-2516. | 0.2 | 19 |

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|---|---|---|---|
| 37 | Higher Gene Flow in Sex-Related Chromosomes than in Autosomes during Fungal Divergence. Molecular Biology and Evolution, 2020, 37, 668-682. | 8.9 | 19 |
| 38 | Scorpion Peptides. , 2013, , 423-429. | | 15 |
| 39 | Scorpion Venom Peptides. , 2006, , 339-354. | | 15 |
| 40 | A Note on the Evolution of Spider Toxins Containing the Ick-Motif. Toxin Reviews, 2005, 24, 383-395. | 3.4 | 14 |
| 41 | Intragenome Diversity of Gene Families Encoding Toxin-like Proteins in Venomous Animals. Integrative and Comparative Biology, 2016, 56, 938-949. | 2.0 | 14 |
| 42 | A Venomics Approach Coupled to High-Throughput Toxin Production Strategies Identifies the First Venom-Derived Melanocortin Receptor Agonists. Journal of Medicinal Chemistry, 2020, 63, 8250-8264. | 6.4 | 13 |
| 43 | Diversity and Mechanisms of Genomic Adaptation in Penicillium. , 2016, , 27-42. | | 13 |
| 44 | Phylogeography of the Bradyrhizobium spp. Associated With Peanut, Arachis hypogaea: Fellow Travelers or New Associations?. Frontiers in Microbiology, 2019, 10, 2041. | 3.5 | 11 |
| 45 | Onset and stepwise extensions of recombination suppression are common in matingâ€type chromosomes of <i>Microbotryum</i> antherâ€smut fungi. Journal of Evolutionary Biology, 2022, 35, 1619-1634. | 1.7 | 11 |
| 46 | Tempo of Degeneration Across Independently Evolved Nonrecombining Regions. Molecular Biology and Evolution, 2022, 39, . | 8.9 | 9 |
| 47 | Response to Xu et al.: Hypothesis-driven science paves the way for new discoveries. Trends in Pharmacological Sciences, 2003, 24, 448-449. | 8.7 | 7 |
| 48 | CHAPTER 7. Scorpion Venoms as a Platform for Drug Development. RSC Drug Discovery Series, 2015, , 204-220. | 0.3 | 2 |
| 49 | Draft Genome Sequences of Nitrogen-Fixing Bradyrhizobia Isolated from Root Nodules of Peanut, Arachis hypogaea, Cultivated in Southern Tunisia. Microbiology Resource Announcements, 2021, 10, e0043421. | 0.6 | 1 |
| 50 | Target promiscuity and heterogeneous effects of tarantula venom peptides affecting Na+ and K+ ion channels.. Journal of Biological Chemistry, 2010, 285, 13314. | 3.4 | 0 |