# Matthew L Holding

List of Publications by Year
in descending order



| 31 | 644 | 567281 15 | 610901 24 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 627 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genetic characterization of potential venom resistance proteins in California ground squirrels (Otospermophilus beecheyi) using transcriptome analyses. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2023, 340, 259-269. | 1.3 | 2 |
| 2 | Venom Gene Sequence Diversity and Expression Jointly Shape Diet Adaptation in Pitvipers. Molecular Biology and Evolution, 2022, 39, . | 8.9 | 8 |
| 3 | Trioâ€binned genomes of the woodrats Neotoma bryanti and Neotoma lepida reveal novel gene islands and rapid copy number evolution of xenobiotic metabolizing genes. Molecular Ecology Resources, 2022, 22, 2713-2731. | 4.8 | 13 |
| 4 | The roles of balancing selection and recombination in the evolution of rattlesnake venom. Nature Ecology and Evolution, 2022, 6, 1367-1380. | 7.8 | 13 |
| 5 | The scales of coevolution: comparative phylogeography and genetic demography of a locally adapted venomous predator and its prey. Biological Journal of the Linnean Society, 2021, 132, 297-317. | 1.6 | 8 |
| 6 | Phylogenetically diverse diets favor more complex venoms in North American pitvipers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 48 |
| 7 | Phenotypic and functional variation in venom and venom resistance of two sympatric rattlesnakes and their prey. Journal of Evolutionary Biology, 2021, 34, 1447-1465. | 1.7 | 14 |
| 8 | Deep mutational scanning of the plasminogen activator inhibitor-1 functional landscape. Scientific Reports, 2021, 11, 18827. | 3.3 | 8 |
| 9 | Experimental Manipulation of Corticosterone Does Not Affect Venom Composition or Functional Activity in Free-Ranging Rattlesnakes. Physiological and Biochemical Zoology, 2021, 94, 286-301. | 1.5 | 0 |
| 10 | Individual Variability in Bothrops atrox Snakes Collected from Different Habitats in the Brazilian Amazon: New Findings on Venom Composition and Functionality. Toxins, 2021, 13, 814. | 3.4 | 11 |
| 11 | Gradual and Discrete Ontogenetic Shifts in Rattlesnake Venom Composition and Assessment of Hormonal and Ecological Correlates. Toxins, 2020, 12, 659. | 3.4 | 7 |
| 12 | Size Matters: An Evaluation of the Molecular Basis of Ontogenetic Modifications in the Composition of Bothrops jararacussu Snake Venom. Toxins, 2020, 12, 791. | 3.4 | 18 |
| 13 | Physiological Stress Integrates Resistance to Rattlesnake Venom and the Onset of Risky Foraging in California Ground Squirrels. Toxins, 2020, 12, 617. | 3.4 | 9 |
| 14 | The molecular basis of venom resistance in a rattlesnakeâ€squirrel predatorâ€prey system. Molecular Ecology, 2020, 29, 2871-2888. | 3.9 | 23 |
| 15 | Intraspecific sequence and gene expression variation contribute little to venom diversity in sidewinder rattlesnakes (Crotalus cerastes). Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190810. | 2.6 | 16 |
| 16 | Serum-based inhibition of pitviper Venom by Eastern Indigo Snakes (Drymarchon couperi). Biology Open, 2019, 8, . | 1.2 | 7 |
| 17 | The importance of historical land use in the maintenance of early successional habitat for a threatened rattlesnake. Global Ecology and Conservation, 2018, 13, e00370. | 2.1 | 10 |
| 18 | Comparative venom-gland transcriptomics and venom proteomics of four Sidewinder Rattlesnake (Crotalus cerastes) lineages reveal little differential expression despite individual variation. Scientific Reports, 2018, 8, 15534. | 3.3 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Local prey community composition and genetic distance predict venom divergence among populations of the northern Pacific rattlesnake (Crotalus oreganus). Journal of Evolutionary Biology, 2018, 31, 1513-1528. | 1.7 | 29 |
| 20 | Evaluating the Performance of De Novo Assembly Methods for Venom-Gland Transcriptomics. Toxins, 2018, 10, 249. | 3.4 | 54 |
| 21 | Good vibrations: Assessing the stability of snake venom composition after researcher-induced disturbance in the laboratory. Toxicon, 2017, 133, 127-135. | 1.6 | 6 |
| 22 | No safety in the trees: Local and species-level adaptation of an arboreal squirrel to the venom of sympatric rattlesnakes. Toxicon, 2016, 118, 149-155. | 1.6 | 19 |
| 23 | Coevolution of venom function and venom resistance in a rattlesnake predator and its squirrel prey. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152841. | 2.6 | 94 |
| 24 | Venom Resistance as a Model for Understanding the Molecular Basis of Complex Coevolutionary Adaptations. Integrative and Comparative Biology, 2016, 56, 1032-1043. | 2.0 | 46 |
| 25 | Fixed prey cue preferences among Dusky Pigmy Rattlesnakes (Sistrurus miliarius barbouri) raised on different long-term diets. Evolutionary Ecology, 2016, 30, 1-7. | 1.2 | 17 |
| 26 | Confronting Scientific Misconceptions by Fostering a Classroom of Scientists in the Introductory Biology Lab. American Biology Teacher, 2014, 76, 518-523. | 0.2 | 0 |
| 27 | Wet- and Dry-Season Steroid Hormone Profiles and Stress Reactivity of an Insular Dwarf Snake, the Hog Island Boa (Boa constrictor imperator). Physiological and Biochemical Zoology, 2014, 87, 363-373. | 1.5 | 19 |
| 28 | Evaluating the thermal effects of translocation in a largeâ€bodied pitviper. Journal of Experimental Zoology, 2014, 321, 442-449. | 1.2 | 2 |
| 29 | Physiological and Behavioral Effects of Repeated Handling and Short-Distance Translocations on Free-Ranging Northern Pacific Rattlesnakes (Crotalus oreganus oreganus). Journal of Herpetology, 2014, 48, 233-239. | 0.5 | 32 |
| 30 | Roads are associated with a blunted stress response in a North American pit viper. General and Comparative Endocrinology, 2014, 202, 87-92. | 1.8 | 29 |
| 31 | Experimentally Altered Navigational Demands Induce Changes in the Cortical Forebrain of Free-Ranging Northern Pacific Rattlesnakes <i>(Crotalus o. oreganus)</i>. Brain, Behavior and Evolution, 2012, 79, 144-154. | 1.7 | 39 |