

# Sonja C Vernes

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

5,281  
citations

186265

28  
h-index

182427

51  
g-index

61  
all docs

61  
docs citations

61  
times ranked

5757  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021, 592, 737-746.   | 27.8 | 1,139     |
| 2  | A Functional Genetic Link between Distinct Developmental Language Disorders. <i>New England Journal of Medicine</i> , 2008, 359, 2337-2345.  | 27.0 | 626       |
| 3  | Identification of FOXP2 Truncation as a Novel Cause of Developmental Speech and Language Deficits. <i>American Journal of Human Genetics</i> , 2005, 76, 1074-1080.  | 6.2  | 438       |
| 4  | Identification of the Transcriptional Targets of FOXP2, a Gene Linked to Speech and Language, in Developing Human Brain. <i>American Journal of Human Genetics</i> , 2007, 81, 1144-1157.  | 6.2  | 262       |
| 5  | Foxp2 Regulates Gene Networks Implicated in Neurite Outgrowth in the Developing Brain. <i>PLoS Genetics</i> , 2011, 7, e1002145.   | 3.5  | 256       |
| 6  | High-Throughput Analysis of Promoter Occupancy Reveals Direct Neural Targets of FOXP2, a Gene Mutated in Speech and Language Disorders. <i>American Journal of Human Genetics</i> , 2007, 81, 1232-1250.                           | 6.2  | 232       |
| 7  | Shining a light on CNTNAP2: complex functions to complex disorders. <i>European Journal of Human Genetics</i> , 2014, 22, 171-178.   | 2.8  | 219       |
| 8  | Six reference-quality genomes reveal evolution of bat adaptations. <i>Nature</i> , 2020, 583, 578-584.   | 27.8 | 210       |
| 9  | Bat Biology, Genomes, and the Bat1K Project: To Generate Chromosome-Level Genomes for All Living Bat Species. <i>Annual Review of Animal Biosciences</i> , 2018, 6, 23-46.   | 7.4  | 166       |
| 10 | Functional genetic analysis of mutations implicated in a human speech and language disorder. <i>Human Molecular Genetics</i> , 2006, 15, 3154-3167.  | 2.9  | 159       |
| 11 | The era of reference genomes in conservation genomics. <i>Trends in Ecology and Evolution</i> , 2022, 37, 197-202.   | 8.7  | 138       |
| 12 | Taking turns: bridging the gap between human and animal communication. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180598.   | 2.6  | 106       |
| 13 | Molecular networks implicated in speech-related disorders: FOXP2 regulates the SRPX2/uPAR complex. <i>Human Molecular Genetics</i> , 2010, 19, 4848-4860.  | 2.9  | 103       |
| 14 | FOXP2 Targets Show Evidence of Positive Selection in European Populations. <i>American Journal of Human Genetics</i> , 2013, 92, 696-706.  | 6.2  | 88        |
| 15 | DNA methylation predicts age and provides insight into exceptional longevity of bats. <i>Nature Communications</i> , 2021, 12, 1615.   | 12.8 | 80        |
| 16 | The Efficacy of Epidermal Growth Factor Receptor-Specific Antibodies against Glioma Xenografts Is Influenced by Receptor Levels, Activation Status, and Heterodimerization. <i>Clinical Cancer Research</i> , 2007, 13, 1911-1925. | 7.0  | 64        |
| 17 | Characterisation of CASPR2 deficiency disorder - a syndrome involving autism, epilepsy and language impairment. <i>BMC Medical Genetics</i> , 2016, 17, 8.   | 2.1  | 61        |
| 18 | A direct molecular link between the autism candidate gene RORa and the schizophrenia candidate MIR137. <i>Scientific Reports</i> , 2014, 4, 3994.  | 3.3  | 50        |

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|----|--|-----|-----------|
| 19 | What bats have to say about speech and language. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 111-117.   | 2.8 | 49        |
| 20 | Vocal learning: a language-relevant trait in need of a broad cross-species approach. <i>Current Opinion in Behavioral Sciences</i> , 2018, 21, 209-215.  | 3.9 | 49        |
| 21 | Understanding Neurodevelopmental Disorders: The Promise of Regulatory Variation in the 3'UTRome. <i>Biological Psychiatry</i> , 2018, 83, 548-557.   | 1.3 | 48        |
| 22 | A Modular Approach to Vocal Learning: Disentangling the Diversity of a Complex Behavioral Trait. <i>Neuron</i> , 2019, 104, 87-99.   | 8.1 | 47        |
| 23 | Genome wide identification of Fruitless targets suggests a role in upregulating genes important for neural circuit formation. <i>Scientific Reports</i> , 2014, 4, 4412.   | 3.3 | 41        |
| 24 | Genetics and the Language Sciences. <i>Annual Review of Linguistics</i> , 2015, 1, 289-310.  | 2.3 | 40        |
| 25 | Large-scale genome sampling reveals unique immunity and metabolic adaptations in bats. <i>Molecular Ecology</i> , 2021, 30, 6449-6467.   | 3.9 | 40        |
| 26 | Assessing the impact of FOXP1 mutations on developmental verbal dyspraxia. <i>European Journal of Human Genetics</i> , 2009, 17, 1354-1358.  | 2.8 | 39        |
| 27 | The DISC1 promoter: characterization and regulation by FOXP2. <i>Human Molecular Genetics</i> , 2012, 21, 2862-2872.   | 2.9 | 39        |
| 28 | Behaviour, biology and evolution of vocal learning in bats. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190061.   | 4.0 | 37        |
| 29 | The multi-dimensional nature of vocal learning. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200236.   | 4.0 | 33        |
| 30 | FOXP2 drives neuronal differentiation by interacting with retinoic acid signaling pathways. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 305.  | 3.7 | 31        |
| 31 | Volitional control of social vocalisations and vocal usage learning in bats. <i>Journal of Experimental Biology</i> , 2018, 221, .   | 1.7 | 30        |
| 32 | Mapping the distribution of language related genes <i>FoxP1</i> , <i>FoxP2</i> , and <i>CntnaP2</i> in the brains of vocal learning bat species. <i>Journal of Comparative Neurology</i> , 2018, 526, 1235-1266. | 1.6 | 28        |
| 33 | Unravelling neurogenetic networks implicated in developmental language disorders. <i>Biochemical Society Transactions</i> , 2009, 37, 1263-1269.   | 3.4 | 20        |
| 34 | Foxp2 loss of function increases striatal direct pathway inhibition via increased GABA release. <i>Brain Structure and Function</i> , 2018, 223, 4211-4226.  | 2.3 | 20        |
| 35 | A chromosomal rearrangement in a child with severe speech and language disorder separates FOXP2 from a functional enhancer. <i>Molecular Cytogenetics</i> , 2015, 8, 69.   | 0.9 | 19        |
| 36 | Mapping of Human FOXP2 Enhancers Reveals Complex Regulation. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 47.  | 2.9 | 19        |

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|----|--|-----|-----------|
| 37 | A novel approach identifies the first transcriptome networks in bats: a new genetic model for vocal communication. <i>BMC Genomics</i> , 2015, 16, 836.  | 2.8 | 18        |
| 38 | Genome-wide investigation of an ID cohort reveals de novo 3'UTR variants affecting gene expression. <i>Human Genetics</i> , 2018, 137, 717-721.  | 3.8 | 18        |
| 39 | Vocal production learning in the pale spear-nosed bat, <i>Phyllostomus discolor</i> . <i>Biology Letters</i> , 2020, 16, 20190928.   | 2.3 | 18        |
| 40 | Vocal learning in animals and humans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200234.   | 4.0 | 14        |
| 41 | Hearing sensitivity and amplitude coding in bats are differentially shaped by echolocation calls and social calls. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202600.       | 2.6 | 12        |
| 42 | Tissue Collection of Bats for -Omics Analyses and Primary Cell Culture. <i>Journal of Visualized Experiments</i> , 2019, , .   | 0.3 | 10        |
| 43 | The Vocal Repertoire of Pale Spear-Nosed Bats in a Social Roosting Context. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .   | 2.2 | 10        |
| 44 | The vocal development of the pale spear-nosed bat is dependent on auditory feedback. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200253.                      | 4.0 | 9         |
| 45 | Contradictory Phylogenetic Signals in the Laurasiatheria Anomaly Zone. <i>Genes</i> , 2022, 13, 766.   | 2.4 | 7         |
| 46 | Early developmental gene enhancers affect subcortical volumes in the adult human brain. <i>Human Brain Mapping</i> , 2016, 37, 1788-1800.  | 3.6 | 6         |
| 47 | Retinoic Acid Signaling: A New Piece in the Spoken Language Puzzle. <i>Frontiers in Psychology</i> , 2015, 6, 1816.  | 2.1 | 5         |
| 48 | Hyperkinetic stereotyped movements in a boy with biallelic CNTNAP2 variants. <i>Italian Journal of Pediatrics</i> , 2021, 47, 208.   | 2.6 | 5         |
| 49 | Neuroanatomy of the grey seal brain: bringing pinnipeds into the neurobiological study of vocal learning. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200252. | 4.0 | 4         |
| 50 | Genetic Pathways Implicated in Speech and Language. , 2013, , 13-40.   |     | 4         |
| 51 | Functional Genomic Dissection of Speech and Language Disorders. <i>Advances in Neurobiology</i> , 2011, , 253-278.   | 1.8 | 1         |