# Gary J Rose

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7839826/publications.pdf

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|---|---|---|---|
| 38 papers | 1,689 citations | 279798 23 h-index | 361022 35 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 948 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | How auditory selectivity for sound timing arises: The diverse roles of GABAergic inhibition in shaping the excitation to interval-selective midbrain neurons. Progress in Neurobiology, 2021, 199, 101962. | 5.7 | 6 |
| 2 | Neural basis of acoustic species recognition in a cryptic species complex. Journal of Experimental Biology, 2021, 224, . | 1.7 | 9 |
| 3 | Anuran Auditory Systems as Models for Understanding Sensory Processing and the Evolution of Communication. , 2020, , 138-148. | | 0 |
| 4 | The numerical abilities of anurans and their neural correlates: insights from neuroethological studies of acoustic communication. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160512. | 4.0 | 34 |
| 5 | Latency for facultative expression of male-typical courtship behaviour by female bluehead wrasses depends on social rank: The â€˜priming/gatingâ€™ hypothesis. Journal of Experimental Biology, 2018, 221, . | 1.7 | 3 |
| 6 | Phasic, suprathreshold excitation and sustained inhibition underlie neuronal selectivity for short-duration sounds. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1927-35. | 7.1 | 23 |
| 7 | Species specificity of temporal processing in the auditory midbrain of gray treefrogs: long-interval neurons. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2016, 202, 67-79. | 1.6 | 11 |
| 8 | Counting on dis-inhibition: a circuit motif for interval counting and selectivity in the anuran auditory system. Journal of Neurophysiology, 2015, 114, 2804-2815. | 1.8 | 19 |
| 9 | Species-specificity of temporal processing in the auditory midbrain of gray treefrogs: interval-counting neurons. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 485-503. | 1.6 | 27 |
| 10 | Time computations in anuran auditory systems. Frontiers in Physiology, 2014, 5, 206. | 2.8 | 30 |
| 11 | Combining pharmacology and whole-cell patch recording from CNS neurons, in vivo. Journal of Neuroscience Methods, 2013, 213, 99-104. | 2.5 | 11 |
| 12 | Interval-counting neurons in the anuran auditory midbrain: factors underlying diversity of interval tuning. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 97-108. | 1.6 | 37 |
| 13 | Roles of syntax information in directing song development in white-crowned sparrows (zonotrichia) Tj ETQq1 1 0.784314 rgBT /Overl | 0.5 | 15 |
| 14 | Tutor model syntax influences the syntactical and phonological structure of crystallized songs of white-crowned sparrows. Animal Behaviour, 2008, 76, 1815-1827. | 1.9 | 9 |
| 15 | Midbrain Auditory Neurons Integrate Excitation and Inhibition to Generate Duration Selectivity: An In Vivo Whole-Cell Patch Study in Anurans. Journal of Neuroscience, 2008, 28, 5481-5493. | 3.6 | 52 |
| 16 | Mechanisms of Long-Interval Selectivity in Midbrain Auditory Neurons: Roles of Excitation, Inhibition, and Plasticity. Journal of Neurophysiology, 2008, 100, 3407-3416. | 1.8 | 34 |
| 17 | Counting on Inhibition and Rate-Dependent Excitation in the Auditory System. Journal of Neuroscience, 2007, 27, 13384-13392. | 3.6 | 69 |
| 18 | Function of the Amphibian Central Auditory System. , 2007, , 250-290. | | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Structure and Function of Neurons in the Complex of the Nucleus electrosensorius of Sternopygus and Eigenmannia: Diencephalic Substrates for the Evolution of the Jamming Avoidance Response. Brain, Behavior and Evolution, 2004, 64, 85-103. | 1.7 | 5 |
| 20 | Insights into neural mechanisms and evolution of behaviour from electric fish. Nature Reviews Neuroscience, 2004, 5, 943-951. | 10.2 | 63 |
| 21 | Species-typical songs in white-crowned sparrows tutored with only phrase pairs. Nature, 2004, 432, 753-758. | 27.8 | 49 |
| 22 | Auditory midbrain neurons that count. Nature Neuroscience, 2002, 5, 934-936. | 14.8 | 124 |
| 23 | Pacific treefrogs use temporal integration to differentiate advertisement from encounter calls. Animal Behaviour, 2002, 63, 1183-1190. | 1.9 | 34 |
| 24 | Short-term synaptic plasticity as a temporal filter. Trends in Neurosciences, 2001, 24, 381-385. | 8.6 | 324 |
| 25 | Integration and recovery processes contribute to the temporal selectivity of neurons in the midbrain of the northern leopard frog, Rana pipiens. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2000, 186, 923-937. | 1.6 | 49 |
| 26 | Short-Term Synaptic Plasticity Contributes to the Temporal Filtering of Electrosensory Information. Journal of Neuroscience, 2000, 20, 7122-7130. | 3.6 | 115 |
| 27 | Long-term temporal integration in the anuran auditory system. Nature Neuroscience, 1998, 1, 519-523. | 14.8 | 81 |
| 28 | Plasticity of aggressive thresholds inHyla regilladiscrete accommodation to encounter calls. Animal Behaviour, 1997, 53, 353-361. | 1.9 | 40 |
| 29 | New techniques for making whole-cell recording from CNS neurons in vivo. Neuroscience Research, 1996, 26, 89-94. | 1.9 | 38 |
| 30 | Representation of Temporal Patterns of Signal Amplitude in the Anuran Auditory System and Electrosensory System. , 1995, , 1-24. | | 5 |
| 31 | Behavioural plasticity mediates aggression in choruses of the Pacific treefrog. Animal Behaviour, 1994, 47, 633-641. | 1.9 | 55 |
| 32 | Differential distribution of ampullary and tuberous processing in the torus semicircularis of Eigenmannia. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1992, 170, 253-61. | 1.6 | 16 |
| 33 | Discrimination of the sign of frequency differences bySternopygus, an electric fish without a jamming avoidance response. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1991, 168, 461-467. | 1.6 | 16 |
| 34 | Aggressive Thresholds of Male Pacific Treefrogs for Advertisement Calls Vary with Amplitude of Neighbors' Calls. Ethology, 1991, 89, 244-252. | 1.1 | 31 |
| 35 | ?Ancestral? neural mechanisms of electrolocation suggest a substrate for the evolution of the jamming avoidance response. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1987, 160, 491-500. | 1.6 | 33 |
| 36 | Neural coding of difference frequencies in the midbrain of the electric fishEigenmannia: Reading the sense of rotation in an amplitude-phase plane. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1986, 158, 613-624. | 1.6 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Species specificity and temperature dependency of temporal processing by the auditory midbrain of two species of treefrogs. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1985, 157, 763-769. | 1.6 | 53 |
| 38 | Processing amplitude-modulated sounds by the auditory midbrain of two species of toads: matched temporal filters. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1984, 154, 211-219. | 1.6 | 97 |