

Katsuhiko Nishimori

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,419
citations

236925

25
h-index

155660

55
g-index

69
all docs

69
docs citations

69
times ranked

3711
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Pervasive social deficits, but normal parturition, in oxytocin receptor-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16096-16101. | 7.1 | 679 |
| 2 | Evidence That Oxytocin Exerts Anxiolytic Effects via Oxytocin Receptor Expressed in Serotonergic Neurons in Mice. Journal of Neuroscience, 2009, 29, 2259-2271. | 3.6 | 497 |
| 3 | Oxytocin receptor-deficient mice developed late-onset obesity. NeuroReport, 2008, 19, 951-955. | 1.2 | 240 |
| 4 | Oxytocin Signaling in the Lateral Septum Prevents Social Fear during Lactation. Current Biology, 2018, 28, 1066-1078.e6. | 3.9 | 140 |
| 5 | Oxytocin neurons enable social transmission of maternal behaviour. Nature, 2021, 596, 553-557. | 27.8 | 113 |
| 6 | Oxytocin stimulates hippocampal neurogenesis via oxytocin receptor expressed in CA3 pyramidal neurons. Nature Communications, 2017, 8, 537. | 12.8 | 111 |
| 7 | Oxytocin Regulates Stress-Induced <i>Crf</i> Gene Transcription through CREB-Regulated Transcription Coactivator 3. Journal of Neuroscience, 2015, 35, 12248-12260. | 3.6 | 109 |
| 8 | Molecular design of hypothalamus development. Nature, 2020, 582, 246-252. | 27.8 | 105 |
| 9 | Vascular RAGE transports oxytocin into the brain to elicit its maternal bonding behaviour in mice. Communications Biology, 2019, 2, 76. | 4.4 | 103 |
| 10 | New aspects of oxytocin receptor function revealed by knockout mice: sociosexual behaviour and control of energy balance. Progress in Brain Research, 2008, 170, 79-90. | 1.4 | 84 |
| 11 | Oxytocinergic circuit from paraventricular and supraoptic nuclei to arcuate POMC neurons in hypothalamus. FEBS Letters, 2014, 588, 4404-4412. | 2.8 | 78 |
| 12 | Tumor metastasis-associated human MTA1 gene: Its deduced protein sequence, localization, and association with breast cancer cell proliferation using antisense phosphorothioate oligonucleotides. Journal of Cellular Biochemistry, 2000, 79, 202-212. | 2.6 | 70 |
| 13 | Quantitative cellular-resolution map of the oxytocin receptor in postnatally developing mouse brains. Nature Communications, 2020, 11, 1885. | 12.8 | 64 |
| 14 | Transient oxytocin signaling primes the development and function of excitatory hippocampal neurons. ELife, 2017, 6, . | 6.0 | 63 |
| 15 | Oxytocin receptor knockout prairie voles generated by CRISPR/Cas9 editing show reduced preference for social novelty and exaggerated repetitive behaviors. Hormones and Behavior, 2019, 111, 60-69. | 2.1 | 63 |
| 16 | Oxytocinâ€“Oxytocin Receptor Systems Facilitate Social Defeat Posture in Male Mice. Endocrinology, 2018, 159, 763-775. | 2.8 | 55 |
| 17 | Activation of Supraoptic Oxytocin Neurons by Secretin Facilitates Social Recognition. Biological Psychiatry, 2017, 81, 243-251. | 1.3 | 53 |
| 18 | Pup exposure facilitates retrieving behavior via the oxytocin neural system in female mice. Psychoneuroendocrinology, 2017, 79, 20-30. | 2.7 | 46 |

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|----|--|------|-----------|
| 19 | Double Dissociation of the Roles of Metabotropic Glutamate Receptor 5 and Oxytocin Receptor in Discrete Social Behaviors. <i>Neuropsychopharmacology</i> , 2015, 40, 2337-2346. | 5.4 | 41 |
| 20 | The Anorexigenic Neural Pathways of Oxytocin and Their Clinical Implication. <i>Neuroendocrinology</i> , 2018, 107, 91-104. | 2.5 | 41 |
| 21 | Intranasal Oxytocin and Vasopressin Modulate Divergent Brainwide Functional Substrates. <i>Neuropsychopharmacology</i> , 2017, 42, 1420-1434. | 5.4 | 35 |
| 22 | BMPR1A maintains skeletal stem cell properties in craniofacial development and craniosynostosis. <i>Science Translational Medicine</i> , 2021, 13, . | 12.4 | 35 |
| 23 | MAGI-2 Is Critical for the Formation and Maintenance of the Glomerular Filtration Barrier in Mouse Kidney. <i>American Journal of Pathology</i> , 2014, 184, 2699-2708. | 3.8 | 34 |
| 24 | Calcitonin receptor signaling in the medial preoptic area enables risk-taking maternal care. <i>Cell Reports</i> , 2021, 35, 109204. | 6.4 | 32 |
| 25 | Glomerulosclerosis Induced by Deficiency of Membrane-Associated Guanylate Kinase Inverted 2 in Kidney Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2654-2669. | 6.1 | 29 |
| 26 | Generation of <i>Oxtr</i> cDNA ^{HA} iresaCre Mice for Gene Expression in an Oxytocin Receptor Specific Manner. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1099-1111. | 2.6 | 28 |
| 27 | Sexually dimorphic oxytocin receptor-expressing neurons in the preoptic area of the mouse brain. <i>PLoS ONE</i> , 2019, 14, e0219784. | 2.5 | 27 |
| 28 | BMP2 Enhances <i>Lgr4</i> Gene Expression in Osteoblastic Cells. <i>Journal of Cellular Physiology</i> , 2016, 231, 887-895. | 4.1 | 26 |
| 29 | Investigation of <i>Oxtr</i> -expressing Neurons Projecting to Nucleus Accumbens using <i>Oxtr</i> -ires-Cre Knock-in prairie Voles (<i>Microtus ochrogaster</i>). <i>Neuroscience</i> , 2020, 448, 312-324. | 2.3 | 25 |
| 30 | <i>Lgr4</i> Controls Specialization of Female Gonads in Mice ¹ . <i>Biology of Reproduction</i> , 2015, 93, 90. | 2.7 | 24 |
| 31 | Impairment of interstrain social recognition during territorial aggressive behavior in oxytocin receptor-null mice. <i>Neuroscience Research</i> , 2015, 90, 90-94. | 1.9 | 23 |
| 32 | Targeting oxytocin receptor (<i>Oxtr</i>)-expressing neurons in the lateral septum to restore social novelty in autism spectrum disorder mouse models. <i>Scientific Reports</i> , 2020, 10, 22173. | 3.3 | 23 |
| 33 | Prenatal minocycline treatment alters synaptic protein expression, and rescues reduced mother call rate in oxytocin receptor-knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 319-323. | 2.1 | 22 |
| 34 | Melanin concentrating hormone modulates oxytocin-mediated marble burying. <i>Neuropharmacology</i> , 2018, 128, 22-32. | 4.1 | 22 |
| 35 | Role of the Oxytocin Receptor Expressed in the Rostral Medullary Raphe in Thermoregulation During Cold Conditions. <i>Frontiers in Endocrinology</i> , 2015, 6, 180. | 3.5 | 20 |
| 36 | Relay of peripheral oxytocin to central oxytocin neurons via vagal afferents for regulating feeding. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 553-558. | 2.1 | 20 |

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|----|--|-----|-----------|
| 37 | Generation of Venus reporter knock-in mice revealed MAGI-2 expression patterns in adult mice. <i>Gene Expression Patterns</i> , 2012, 12, 95-101. | 0.8 | 17 |
| 38 | Indispensable role of the oxytocin receptor for allogrooming toward socially distressed cage mates in female mice. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12980. | 2.6 | 16 |
| 39 | Oxytocin Ameliorates Impaired Behaviors of High Fat Diet-Induced Obese Mice. <i>Frontiers in Endocrinology</i> , 2020, 11, 379. | 3.5 | 15 |
| 40 | MAGI-2 orchestrates the localization of backbone proteins in the slit diaphragm of podocytes. <i>Kidney International</i> , 2021, 99, 382-395. | 5.2 | 15 |
| 41 | The olfactory critical period is determined by activity-dependent Sema7A/PlxnC1 signaling within glomeruli. <i>ELife</i> , 2021, 10, . | 6.0 | 15 |
| 42 | The blockade of oxytocin receptors in the paraventricular thalamus reduces maternal crouching behavior over pups in lactating mice. <i>Neuroscience Letters</i> , 2020, 720, 134761. | 2.1 | 14 |
| 43 | LGR4 is required for sequential molar development. <i>Biochemistry and Biophysics Reports</i> , 2016, 8, 174-183. | 1.3 | 13 |
| 44 | Impaired approach to novelty and striatal alterations in the oxytocin receptor deficient mouse model of autism. <i>Hormones and Behavior</i> , 2019, 114, 104543. | 2.1 | 12 |
| 45 | Single administration of resveratrol improves social behavior in adult mouse models of autism spectrum disorder. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2207-2214. | 1.3 | 11 |
| 46 | Novel biomarker profiles in experimental aged maternal mice with hypertensive disorders of pregnancy. <i>Hypertension Research</i> , 2019, 42, 29-39. | 2.7 | 10 |
| 47 | Stress-related memories disrupt sociability and associated patterning of hippocampal activity: a role of hilar oxytocin receptor-positive interneurons. <i>Translational Psychiatry</i> , 2020, 10, 428. | 4.8 | 10 |
| 48 | Helping behavior in prairie voles: A model of empathy and the importance of oxytocin. <i>IScience</i> , 2022, 25, 103991. | 4.1 | 10 |
| 49 | Oral oxytocin delivery with proton pump inhibitor pretreatment decreases food intake. <i>Peptides</i> , 2020, 128, 170312. | 2.4 | 9 |
| 50 | Oxytocin Facilitates Allomaternal Behavior under Stress in Laboratory Mice. <i>ENeuro</i> , 2022, 9, ENEURO.0405-21.2022. | 1.9 | 9 |
| 51 | Oxytocin receptor is regulated by Peg3. <i>PLoS ONE</i> , 2018, 13, e0202476. | 2.5 | 8 |
| 52 | Functional Hierarchy of Uterotonics Required for Successful Parturition in Mice. <i>Endocrinology</i> , 2019, 160, 2800-2810. | 2.8 | 8 |
| 53 | Oxytocin is indispensable for conspecific-odor preference and controls the initiation of female, but not male, sexual behavior in mice. <i>Neuroscience Research</i> , 2019, 148, 34-41. | 1.9 | 8 |
| 54 | InÂvitro culture and inÂvitro fertilization techniques for prairie voles (<i>Microtus ochrogaster</i>). <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 907-911. | 2.1 | 6 |

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|----|--|-----|-----------|
| 55 | Lgr4 Expression in Osteoblastic Cells Is Suppressed by Hydrogen Peroxide Treatment. <i>Journal of Cellular Physiology</i> , 2017, 232, 1761-1766. | 4.1 | 5 |
| 56 | LGR4 is essential for R-spondin1-mediated suppression of food intake via pro-opiomelanocortin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1336-1342. | 1.3 | 5 |
| 57 | Cesarean section delivery is a risk factor of autism-related behaviors in mice. <i>Scientific Reports</i> , 2021, 11, 8883. | 3.3 | 5 |
| 58 | mTORC1-induced retinal progenitor cell overproliferation leads to accelerated mitotic aging and degeneration of descendent Müller glia. <i>ELife</i> , 2021, 10, . | 6.0 | 5 |
| 59 | Oxytocin receptor signaling contributes to olfactory avoidance behavior induced by an unpleasant odorant. <i>Biology Open</i> , 2018, 7, . | 1.2 | 4 |
| 60 | A monoclonal antibody raised against a synthetic oxytocin peptide stains mouse hypothalamic neurones. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12815. | 2.6 | 4 |
| 61 | Effects of oxytocin on responses to nociceptive and non-nociceptive stimulation in the upper central nervous system. <i>Biochemical and Biophysical Research Communications</i> , 2021, 574, 8-13. | 2.1 | 4 |
| 62 | Tumor metastasis-associated human MTA1 gene: Its deduced protein sequence, localization, and association with breast cancer cell proliferation using antisense phosphorothioate oligonucleotides. <i>Journal of Cellular Biochemistry</i> , 2000, 79, 202-212. | 2.6 | 1 |
| 63 | Oxytocin Receptor-Expressing Neurons and Nuclei in the Regulation of Social Behaviors. <i>Interdisciplinary Information Sciences</i> , 2015, 21, 283-288. | 0.4 | 0 |
| 64 | MAGI-2 plays a crucial role in homeostasis of the slit diaphragm in kidney podocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-3-18. | 0.0 | 0 |