

Yoshitaka Ohtubo

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

306
citations

933447

10
h-index

888059

17
g-index

31
all docs

31
docs citations

31
times ranked

200
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Taste Receptor Cells Generate Oscillating Receptor Potentials by Activating G Protein-Coupled Taste Receptors. <i>Frontiers in Physiology</i> , 2022, 13, . | 2.8 | 1 |
| 2 | Age-related electrophysiological changes in mouse taste receptor cells. <i>Experimental Physiology</i> , 2021, 106, 519-531. | 2.0 | 4 |
| 3 | Slow recovery from the inactivation of voltage-gated sodium channel Nav1.3 in mouse taste receptor cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 953-968. | 2.8 | 7 |
| 4 | A subset of taste receptor cells express biocytin-permeable channels activated by reducing extracellular Ca^{2+} concentration. <i>European Journal of Neuroscience</i> , 2020, 51, 1605-1623. | 2.6 | 8 |
| 5 | Quantitative Analysis of Taste Bud Cell Numbers in the Circumvallate and Foliate Taste Buds of Mice. <i>Chemical Senses</i> , 2020, 45, 261-273. | 2.0 | 13 |
| 6 | Selective expression of muscarinic acetylcholine receptor subtype M3 by mouse type III taste bud cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 2053-2059. | 2.8 | 8 |
| 7 | The Role of Tight Junctions and Hypertonicity in Taste Information Processing. <i>Seibutsu Butsuri</i> , 2014, 54, 303-306. | 0.1 | 0 |
| 8 | Cell-type-dependent action potentials and voltage-gated currents in mouse fungiform taste buds. <i>European Journal of Neuroscience</i> , 2014, 39, 24-34. | 2.6 | 18 |
| 9 | Time-dependent expression of hypertonic effects on bullfrog taste nerve responses to salts and bitter substances. <i>Brain Research</i> , 2014, 1556, 1-9. | 2.2 | 1 |
| 10 | Signal Processing Based on Cell-Type-Dependent Action Potentials in Mouse Taste Buds. <i>The Brain & Neural Networks</i> , 2013, 20, 159-165. | 0.1 | 0 |
| 11 | Subtype-dependent postnatal development of taste receptor cells in mouse fungiform taste buds. <i>European Journal of Neuroscience</i> , 2012, 35, 1661-1671. | 2.6 | 16 |
| 12 | Hypertonicity augments bullfrog taste nerve responses to inorganic salts. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 463, 845-851. | 2.8 | 3 |
| 13 | Quantitative analysis of taste bud cell numbers in fungiform and soft palate taste buds of mice. <i>Brain Research</i> , 2011, 1367, 13-21. | 2.2 | 36 |
| 14 | Dye-permeable, voltage-gated channel on mouse fungiform taste bud cells. <i>Brain Research</i> , 2011, 1373, 17-24. | 2.2 | 9 |
| 15 | Network model of chemical-sensing system inspired by mouse taste buds. <i>Biological Cybernetics</i> , 2011, 105, 21-27. | 1.3 | 2 |
| 16 | A Chemical Sensor Array Inspired by Mouse Taste Buds. <i>Studies in Computational Intelligence</i> , 2010, , 159-164. | 0.9 | 1 |
| 17 | Stochastic Synchronization and Array-Enhanced Coherence Resonance in a Bio-inspired Chemical Sensor Array. , 2008, , . | | 1 |
| 18 | Functional Expression of M3, a Muscarinic Acetylcholine Receptor Subtype, in Taste Bud Cells of Mouse Fungiform Papillae. <i>Chemical Senses</i> , 2008, 33, 47-55. | 2.0 | 21 |

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|----|--|-----|-----------|
| 19 | Electrophysiological identification of mouse taste bud cells. International Congress Series, 2007, 1301, 254-257. | 0.2 | 3 |
| 20 | Quantitative study on cell types in adult mouse taste buds. International Congress Series, 2007, 1301, 250-253. | 0.2 | 1 |
| 21 | Functional expression of muscarinic acetylcholine receptors in mouse taste buds. International Congress Series, 2007, 1301, 246-249. | 0.2 | 1 |
| 22 | A network model toward a taste bud inspired sensor. International Congress Series, 2007, 1301, 52-55. | 0.2 | 3 |
| 23 | Functional expression of ionotropic purinergic receptors on mouse taste bud cells. Journal of Physiology, 2007, 584, 473-488. | 2.9 | 52 |
| 24 | Expression of purinergic receptors in mouse taste buds. International Congress Series, 2006, 1291, 81-84. | 0.2 | 1 |
| 25 | Expression patterns of taste transduction-related proteins during development in mouse taste buds. International Congress Series, 2006, 1291, 85-88. | 0.2 | 0 |
| 26 | Taste Bud Cell Networks in Mice.. Seibutsu Butsuri, 2004, 44, 21-25. | 0.1 | 0 |
| 27 | Effects of endomorphin on substantia gelatinosa neurons in rat spinal cord slices. British Journal of Pharmacology, 2003, 140, 1088-1096. | 5.4 | 24 |
| 28 | Lucifer Yellow Slows Voltage-Gated Na ⁺ Current Inactivation in a Light-Dependent Manner in Mice. Journal of Physiology, 2003, 550, 159-167. | 2.9 | 23 |
| 29 | Optical recordings of taste responses from fungiform papillae of mouse in situ. Journal of Physiology, 2001, 530, 287-293. | 2.9 | 33 |
| 30 | Open channel block of NMDA receptors by conformationally restricted analogs of milnacipran and their protective effect against NMDA-induced neurotoxicity. Synapse, 1999, 31, 87-96. | 1.2 | 16 |
| 31 | Diurnal rhythm regulates the frequency of carbachol-induced beta oscillation via inhibitory neural system in rat hippocampus. Cognitive Neurodynamics, 0, , 1. | 4.0 | 0 |