

# Tomoya Nakagita

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2654443/publications.pdf>

Version: 2024-02-01

16  
papers

593  
citations

933447

10  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

814  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Evolution of sweet taste perception in hummingbirds by transformation of the ancestral umami receptor. <i>Science</i> , 2014, 345, 929-933.   | 12.6 | 169       |
| 2  | Two Distinct Determinants of Ligand Specificity in T1R1/T1R3 (the Umami Taste Receptor). <i>Journal of Biological Chemistry</i> , 2013, 288, 36863-36877.                                 | 3.4  | 101       |
| 3  | Ligand binding to human prostaglandin E receptor EP4 at the lipid-bilayer interface. <i>Nature Chemical Biology</i> , 2019, 15, 18-26.  | 8.0  | 85        |
| 4  | L-Theanine elicits umami taste via the T1R1+T1R3 umami taste receptor. <i>Amino Acids</i> , 2014, 46, 1583-1587.  | 2.7  | 45        |
| 5  | Early origin of sweet perception in the songbird radiation. <i>Science</i> , 2021, 373, 226-231.  | 12.6 | 34        |
| 6  | Sweeteners interacting with the transmembrane domain of the human sweet-taste receptor induce sweet-taste synergisms in binary mixtures. <i>Food Chemistry</i> , 2012, 130, 561-568.      | 8.2  | 33        |
| 7  | Positive/Negative Allosteric Modulation Switching in an Umami Taste Receptor (T1R1/T1R3) by a Natural Flavor Compound, Methional. <i>Scientific Reports</i> , 2018, 8, 11796.             | 3.3  | 32        |
| 8  | Evolution of the primate glutamate taste sensor from a nucleotide sensor. <i>Current Biology</i> , 2021, 31, 4641-4649.e5.  | 3.9  | 28        |
| 9  | Structural insights into the differences among lactisole derivatives in inhibitory mechanisms against the human sweet taste receptor. <i>PLoS ONE</i> , 2019, 14, e0213552.               | 2.5  | 18        |
| 10 | CNKSRI serves as a scaffold to activate an EGFR phosphatase via exclusive interaction with RhoB-GTP. <i>Life Science Alliance</i> , 2021, 4, e202101095.                                  | 2.8  | 12        |
| 11 | Ibuprofen, a Nonsteroidal Anti-Inflammatory Drug, is a Potent Inhibitor of the Human Sweet Taste Receptor. <i>Chemical Senses</i> , 2020, 45, 667-673.                                    | 2.0  | 9         |
| 12 | Recent progress in the use of diaziridine-based sweetener derivatives to elucidate the chemoreception mechanism of the sweet taste receptor. <i>RSC Advances</i> , 2021, 11, 32236-32247. | 3.6  | 7         |
| 13 | Synergism, Bifunctionality, and the Evolution of a Gradual Sensory Trade-off in Hummingbird Taste Receptors. <i>Molecular Biology and Evolution</i> , 2022, 39, .                         | 8.9  | 7         |
| 14 | Ibuprofen inhibits oral NaCl response through transmembrane channel-like 4. <i>Biochemical and Biophysical Research Communications</i> , 2021, 573, 76-79.                                | 2.1  | 6         |
| 15 | Vibrational analysis of acetylcholine binding to the M <sub>2</sub> receptor. <i>RSC Advances</i> , 2021, 11, 12559-12567.  | 3.6  | 4         |
| 16 | Asymmetric Synthesis of Photophore-Containing Lactisole Derivatives to Elucidate Sweet Taste Receptors. <i>Molecules</i> , 2020, 25, 2790.  | 3.8  | 3         |