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List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,149
citations

393982

19
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395343

33
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docs citations

39
times ranked

1270
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Artificial Sweeteners Stimulate Adipogenesis and Suppress Lipolysis Independently of Sweet Taste Receptors. <i>Journal of Biological Chemistry</i> , 2013, 288, 32475-32489. | 1.6 | 110 |
| 2 | Key Amino Acid Residues Involved in Multi-Point Binding Interactions between Brazzein, a Sweet Protein, and the T1R2â€“T1R3 Human Sweet Receptor. <i>Journal of Molecular Biology</i> , 2010, 398, 584-599. | 2.0 | 104 |
| 3 | Sweetness Determinant Sites of Brazzein, a Small, Heat-Stable, Sweet-Tasting Protein. <i>Archives of Biochemistry and Biophysics</i> , 2000, 376, 259-265. | 1.4 | 96 |
| 4 | Efficient Production of Recombinant Brazzein, a Small, Heat-Stable, Sweet-Tasting Protein of Plant Origin. <i>Archives of Biochemistry and Biophysics</i> , 2000, 376, 252-258. | 1.4 | 75 |
| 5 | Direct NMR Detection of the Binding of Functional Ligands to the Human Sweet Receptor, a Heterodimeric Family 3 GPCR. <i>Journal of the American Chemical Society</i> , 2008, 130, 7212-7213. | 6.6 | 70 |
| 6 | Critical regions for the sweetness of brazzein 1. <i>FEBS Letters</i> , 2003, 544, 33-37. | 1.3 | 63 |
| 7 | The Hibernator Microbiome: Host-Bacterial Interactions in an Extreme Nutritional Symbiosis. <i>Annual Review of Nutrition</i> , 2017, 37, 477-500. | 4.3 | 58 |
| 8 | Interactions between the human sweet-sensing T1R2â€“T1R3 receptor and sweeteners detected by saturation transfer difference NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 82-86. | 1.4 | 53 |
| 9 | Metabolic Evidence of Diminished Lipid Oxidation in Women With Polycystic Ovary Syndrome. <i>Current Metabolomics</i> , 2014, 1, 269-278. | 0.5 | 51 |
| 10 | Efficient and rapid protein expression and purification of small high disulfide containing sweet protein brazzein in <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2008, 58, 263-268. | 0.6 | 45 |
| 11 | Ligand-Specific Structural Changes in the Vitamin D Receptor in Solution. <i>Biochemistry</i> , 2011, 50, 11025-11033. | 1.2 | 45 |
| 12 | Use of NMR Saturation Transfer Difference Spectroscopy to Study Ligand Binding to Membrane Proteins. <i>Methods in Molecular Biology</i> , 2012, 914, 47-63. | 0.4 | 38 |
| 13 | Nitrogen recycling via gut symbionts increases in ground squirrels over the hibernation season. <i>Science</i> , 2022, 375, 460-463. | 6.0 | 36 |
| 14 | Monkey Electrophysiological and Human Psychophysical Responses to Mutants of the Sweet Protein Brazzein: Delineating Brazzein Sweetness. <i>Chemical Senses</i> , 2003, 28, 491-498. | 1.1 | 30 |
| 15 | Correlation of the Sweetness of Variants of the Protein Brazzein with Patterns of Hydrogen Bonds Detected by NMR Spectroscopy. <i>Journal of Biological Chemistry</i> , 2003, 278, 31331-31339. | 1.6 | 30 |
| 16 | Metabolic Reprogramming by 3-Iodothyronamine (T1AM): A New Perspective to Reverse Obesity through Co-Regulation of Sirtuin 4 and 6 Expression. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1535. | 1.8 | 29 |
| 17 | NMR Metabolomics Show Evidence for Mitochondrial Oxidative Stress in a Mouse Model of Polycystic Ovary Syndrome. <i>Journal of Proteome Research</i> , 2015, 14, 3284-3291. | 1.8 | 22 |
| 18 | Metabolic profiling reveals reprogramming of lipid metabolic pathways in treatment of polycystic ovary syndrome with 3-iodothyronamine. <i>Physiological Reports</i> , 2017, 5, e13097. | 0.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Brazzein, a Small, Sweet Protein: Effects of Mutations on its Structure, Dynamics and Functional Properties. <i>Chemical Senses</i> , 2005, 30, i90-i91. | 1.1 | 19 |
| 20 | Structure-function relationships of brazzein variants with altered interactions with the human sweet taste receptor. <i>Protein Science</i> , 2016, 25, 711-719. | 3.1 | 19 |
| 21 | Novel diagnostics of metabolic dysfunction detected in breath and plasma by selective isotope-assisted labeling. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 1162-1170. | 1.5 | 18 |
| 22 | One-step purification of bacterially expressed recombinant transducin β -subunit and isotopically labeled PDE6 β -subunit for NMR analysis. <i>Protein Expression and Purification</i> , 2007, 51, 187-197. | 0.6 | 17 |
| 23 | Temperature-dependent conformational change affecting Tyr11 and sweetness loops of brazzein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 919-925. | 1.5 | 15 |
| 24 | Lipolytic Effects of 3-Iodothyronamine (TIAM) and a Novel Thyronamine-Like Analog SG-2 through the AMPK Pathway. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4054. | 1.8 | 13 |
| 25 | Optical imaging of mitochondrial redox state in rodent models with 3-iodothyronamine. <i>Experimental Biology and Medicine</i> , 2014, 239, 151-158. | 1.1 | 12 |
| 26 | Uptake of 3-iodothyronamine hormone analogs inhibits the growth and viability of cancer cells. <i>FEBS Open Bio</i> , 2017, 7, 587-601. | 1.0 | 12 |
| 27 | Effects of Repeated Sublethal External Exposure to Deep Water Horizon Oil on the Avian Metabolome. <i>Scientific Reports</i> , 2019, 9, 371. | 1.6 | 11 |
| 28 | Shifts in metabolic fuel use coincide with maximal rates of ventilation and body surface rewarming in an arousing hibernator. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R764-R775. | 0.9 | 10 |
| 29 | Multimodal Ligand Binding Studies of Human and Mouse G-Coupled Taste Receptors to Correlate Their Species-Specific Sweetness Tasting Properties. <i>Molecules</i> , 2018, 23, 2531. | 1.7 | 9 |
| 30 | Structural Role of the Terminal Disulfide Bond in the Sweetness of Brazzein. <i>Chemical Senses</i> , 2011, 36, 821-830. | 1.1 | 8 |
| 31 | How Sweet It Is: Detailed Molecular and Functional Studies of Brazzein, a Sweet Protein and Its Analogs. <i>ACS Symposium Series</i> , 2008, , 560-572. | 0.5 | 5 |
| 32 | NMRFAM-SDF: a protein structure determination framework. <i>Journal of Biomolecular NMR</i> , 2015, 62, 481-495. | 1.6 | 4 |
| 33 | Efficient stable isotope labeling and purification of vitamin D receptor from inclusion bodies. <i>Protein Expression and Purification</i> , 2012, 85, 25-31. | 0.6 | 2 |
| 34 | Meet Our Editors. <i>Current Metabolomics</i> , 2016, 4, 83-85. | 0.5 | 0 |
| 35 | Changes in small molecular weight biomarkers identified by NMR spectroscopy in response to dietary treatment with two conjugated linoleic acid isomers (c9,t11; t10,c12) in a murine collagen-induced arthritis model. <i>FASEB Journal</i> , 2010, 24, . | 0.2 | 0 |
| 36 | Functional changes in the gut microbiota across the hibernation cycle examined by stable isotope-assisted labeling. <i>FASEB Journal</i> , 2018, 32, 534.19. | 0.2 | 0 |