

# Fariba M Assadi-Porter

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

860  
citations

17  
h-index

29  
g-index

39  
ext. papers

1,003  
ext. citations

5  
avg, IF

3.75  
L-index

#	Paper	IF	Citations
35	Nitrogen recycling via gut symbionts increases in ground squirrels over the hibernation season.. <i>Science</i> , <b>2022</b> , 375, 460-463	33.3	5
34	Lipolytic Effects of 3-Iodothyronamine (T1AM) and a Novel Thyronamine-Like Analog SG-2 through the AMPK Pathway. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	7
33	Effects of Repeated Sublethal External Exposure to Deep Water Horizon Oil on the Avian Metabolome. <i>Scientific Reports</i> , <b>2019</b> , 9, 371	4.9	7
32	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> , <b>2019</b> , 316, R764-R775	3.2	6
31	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> , <b>2018</b> , 19,	6.3	23
30	Functional changes in the gut microbiota across the hibernation cycle examined by stable isotope-assisted labeling. <i>FASEB Journal</i> , <b>2018</b> , 32, 534.19	0.9	
29	Multimodal Ligand Binding Studies of Human and Mouse G-Coupled Taste Receptors to Correlate Their Species-Specific Sweetness Tasting Properties. <i>Molecules</i> , <b>2018</b> , 23,	4.8	6
28	Uptake of 3-iodothyronamine hormone analogs inhibits the growth and viability of cancer cells. <i>FEBS Open Bio</i> , <b>2017</b> , 7, 587-601	2.7	7
27	Metabolic profiling reveals reprogramming of lipid metabolic pathways in treatment of polycystic ovary syndrome with 3-iodothyronamine. <i>Physiological Reports</i> , <b>2017</b> , 5, e13097	2.6	18
26	The Hibernator Microbiome: Host-Bacterial Interactions in an Extreme Nutritional Symbiosis. <i>Annual Review of Nutrition</i> , <b>2017</b> , 37, 477-500	9.9	26
25	Meet Our Editors. <i>Current Metabolomics</i> , <b>2016</b> , 4, 83-85	1	
24	Structure-function relationships of brazzein variants with altered interactions with the human sweet taste receptor. <i>Protein Science</i> , <b>2016</b> , 25, 711-9	6.3	13
23	NMR Metabolomics Show Evidence for Mitochondrial Oxidative Stress in a Mouse Model of Polycystic Ovary Syndrome. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3284-91	5.6	17
22	NMRFAM-SDF: a protein structure determination framework. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 62, 481-95	3	4
21	Metabolic Evidence of Diminished Lipid Oxidation in Women With Polycystic Ovary Syndrome. <i>Current Metabolomics</i> , <b>2014</b> , 2, 269-278	1	37
20	Optical imaging of mitochondrial redox state in rodent models with 3-iodothyronamine. <i>Experimental Biology and Medicine</i> , <b>2014</b> , 239, 151-8	3.7	9
19	Temperature-dependent conformational change affecting Tyr11 and sweetness loops of brazzein. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2013</b> , 81, 919-25	4.2	10

18	Artificial sweeteners stimulate adipogenesis and suppress lipolysis independently of sweet taste receptors. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 32475-32489	5.4	70
17	Efficient stable isotope labeling and purification of vitamin D receptor from inclusion bodies. <i>Protein Expression and Purification</i> , <b>2012</b> , 85, 25-31	2	1
16	Novel diagnostics of metabolic dysfunction detected in breath and plasma by selective isotope-assisted labeling. <i>Metabolism: Clinical and Experimental</i> , <b>2012</b> , 61, 1162-70	12.7	13
15	Use of NMR saturation transfer difference spectroscopy to study ligand binding to membrane proteins. <i>Methods in Molecular Biology</i> , <b>2012</b> , 914, 47-63	1.4	34
14	Ligand-specific structural changes in the vitamin D receptor in solution. <i>Biochemistry</i> , <b>2011</b> , 50, 11025-33	3.2	40
13	Structural role of the terminal disulfide bond in the sweetness of brazzein. <i>Chemical Senses</i> , <b>2011</b> , 36, 821-30	4.8	4
12	Key amino acid residues involved in multi-point binding interactions between brazzein, a sweet protein, and the T1R2-T1R3 human sweet receptor. <i>Journal of Molecular Biology</i> , <b>2010</b> , 398, 584-99	6.5	87
11	Interactions between the human sweet-sensing T1R2-T1R3 receptor and sweeteners detected by saturation transfer difference NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2010</b> , 1798, 82-6	3.8	43
10	Efficient and rapid protein expression and purification of small high disulfide containing sweet protein brazzein in E. coli. <i>Protein Expression and Purification</i> , <b>2008</b> , 58, 263-8	2	37
9	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> , <b>2008</b> , 130, 7212-3	16.4	61
8	How Sweet It Is: Detailed Molecular and Functional Studies of Brazzein, a Sweet Protein and Its Analogs. <i>ACS Symposium Series</i> , <b>2008</b> , 560-572	0.4	4
7	One-step purification of bacterially expressed recombinant transducin alpha-subunit and isotopically labeled PDE6 gamma-subunit for NMR analysis. <i>Protein Expression and Purification</i> , <b>2007</b> , 51, 187-97	2	16
6	Brazzein, a small, sweet protein: effects of mutations on its structure, dynamics and functional properties. <i>Chemical Senses</i> , <b>2005</b> , 30 Suppl 1, i90-1	4.8	14
5	Critical regions for the sweetness of brazzein. <i>FEBS Letters</i> , <b>2003</b> , 544, 33-7	3.8	49
4	Monkey electrophysiological and human psychophysical responses to mutants of the sweet protein brazzein: delineating brazzein sweetness. <i>Chemical Senses</i> , <b>2003</b> , 28, 491-8	4.8	24
3	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> , <b>2003</b> , 278, 31331-9	5.4	27
2	Efficient production of recombinant brazzein, a small, heat-stable, sweet-tasting protein of plant origin. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 376, 252-8	4.1	64
1	Sweetness determinant sites of brazzein, a small, heat-stable, sweet-tasting protein. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 376, 259-65	4.1	77

