

# Scott M Sternson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2794815/publications.pdf>

Version: 2024-02-01

48  
papers

9,968  
citations

109321

35  
h-index

214800

47  
g-index

54  
all docs

54  
docs citations

54  
times ranked

11314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise molecule burns away hunger. <i>Nature</i> , 2022, 606, 655-656.	27.8	2
2	Hunger or thirst state uncertainty is resolved by outcome evaluation in medial prefrontal cortex to guide decision-making. <i>Nature Neuroscience</i> , 2021, 24, 907-912.	14.8	28
3	EASI-FISH for thick tissue defines lateral hypothalamus spatio-molecular organization. <i>Cell</i> , 2021, 184, 6361-6377.e24.	28.9	72
4	Hindbrain Double-Negative Feedback Mediates Palatability-Guided Food and Water Consumption. <i>Cell</i> , 2020, 182, 1589-1605.e22.	28.9	49
5	Exploring internal state-coding across the rodent brain. <i>Current Opinion in Neurobiology</i> , 2020, 65, 20-26.	4.2	15
6	Behavioral state coding by molecularly defined paraventricular hypothalamic cell type ensembles. <i>Science</i> , 2020, 370, .	12.6	104
7	Seeing the forest for the trees in obesity. <i>Nature Metabolism</i> , 2020, 2, 661-662.	11.9	2
8	Chemogenetics: drug-controlled gene therapies for neural circuit disorders. <i>Cell &amp; Gene Therapy Insights</i> , 2020, 6, 1079-1094.	0.1	9
9	Reconstruction of 1,000 Projection Neurons Reveals New Cell Types and Organization of Long-Range Connectivity in the Mouse Brain. <i>Cell</i> , 2019, 179, 268-281.e13.	28.9	352
10	Ultrapotent chemogenetics for research and potential clinical applications. <i>Science</i> , 2019, 364, .	12.6	119
11	Chemogenetic Tools for Causal Cellular and Neuronal Biology. <i>Physiological Reviews</i> , 2018, 98, 391-418.	28.8	97
12	Three Pillars for the Neural Control of Appetite. <i>Annual Review of Physiology</i> , 2017, 79, 401-423.	13.1	211
13	Raphe Circuits on the Menu. <i>Cell</i> , 2017, 170, 409-410.	28.9	0
14	Near-Perfect Synaptic Integration by Na v 1.7 in Hypothalamic Neurons Regulates Body Weight. <i>Cell</i> , 2016, 165, 1749-1761.	28.9	77
15	Hunger: The carrot and the stick. <i>Molecular Metabolism</i> , 2016, 5, 1-2.	6.5	11
16	An Emerging Technology Framework for the Neurobiology of Appetite. <i>Cell Metabolism</i> , 2016, 23, 234-253.	16.2	48
17	Cell type-specific transcriptomics of hypothalamic energy-sensing neuron responses to weight-loss. <i>ELife</i> , 2015, 4, .	6.0	188
18	Applying the Brakes: When to Stop Eating. <i>Neuron</i> , 2015, 88, 440-441.	8.1	4

#	ARTICLE	IF	CITATIONS
19	Neurons for hunger and thirst transmit a negative-valence teaching signal. <i>Nature</i> , 2015, 521, 180-185.	27.8	536
20	Optogenetics: 10 years after ChR2 in neurons—views from the community. <i>Nature Neuroscience</i> , 2015, 18, 1202-1212.	14.8	122
21	Cell type-specific pharmacology of NMDA receptors using masked MK801. <i>ELife</i> , 2015, 4, .	6.0	15
22	Leptin Mediates the Increase in Blood Pressure Associated with Obesity. <i>Cell</i> , 2014, 159, 1404-1416.	28.9	288
23	Agouti-Related Protein Neuron Circuits That Regulate Appetite. <i>Neuroendocrinology</i> , 2014, 100, 95-102.	2.5	49
24	Chemogenetic Synaptic Silencing of Neural Circuits Localizes a Hypothalamus+Midbrain Pathway for Feeding Behavior. <i>Neuron</i> , 2014, 82, 797-808.	8.1	378
25	A genetically specified connectomics approach applied to long-range feeding regulatory circuits. <i>Nature Neuroscience</i> , 2014, 17, 1830-1839.	14.8	74
26	Chemogenetic Tools to Interrogate Brain Functions. <i>Annual Review of Neuroscience</i> , 2014, 37, 387-407.	10.7	412
27	Parallel, Redundant Circuit Organization for Homeostatic Control of Feeding Behavior. <i>Cell</i> , 2013, 155, 1337-1350.	28.9	495
28	Hypothalamic Survival Circuits: Blueprints for Purposive Behaviors. <i>Neuron</i> , 2013, 77, 810-824.	8.1	241
29	Neural circuits and motivational processes for hunger. <i>Current Opinion in Neurobiology</i> , 2013, 23, 353-360.	4.2	77
30	Selective esterase—ester pair for targeting small molecules with cellular specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4756-4761.	7.1	148
31	Neuron Transplantation Partially Reverses an Obesity Disorder in Mice. <i>Cell Metabolism</i> , 2012, 15, 133-134.	16.2	1
32	Regulation of neuronal input transformations by tunable dendritic inhibition. <i>Nature Neuroscience</i> , 2012, 15, 423-430.	14.8	357
33	Deconstruction of a neural circuit for hunger. <i>Nature</i> , 2012, 488, 172-177.	27.8	779
34	Chemical and Genetic Engineering of Selective Ion Channel—Ligand Interactions. <i>Science</i> , 2011, 333, 1292-1296.	12.6	260
35	Hunger States Switch a Flip-Flop Memory Circuit via a Synaptic AMPK-Dependent Positive Feedback Loop. <i>Cell</i> , 2011, 146, 992-1003.	28.9	369
36	AGRP neurons are sufficient to orchestrate feeding behavior rapidly and without training. <i>Nature Neuroscience</i> , 2011, 14, 351-355.	14.8	926

#	ARTICLE	IF	CITATIONS
37	Adeno-Associated Viral Vectors for Mapping, Monitoring, and Manipulating Neural Circuits. <i>Human Gene Therapy</i> , 2011, 22, 669-677.	2.7	97
38	Let them eat fat. <i>Nature</i> , 2011, 477, 166-167.	27.8	5
39	Automatic reconstruction of 3D neuron structures using a graph-augmented deformable model. <i>Bioinformatics</i> , 2010, 26, i38-i46.	4.1	100
40	Leptin targets in the mouse brain. <i>Journal of Comparative Neurology</i> , 2009, 514, 518-532.	1.6	417
41	The subcellular organization of neocortical excitatory connections. <i>Nature</i> , 2009, 457, 1142-1145.	27.8	903
42	A FLEX Switch Targets Channelrhodopsin-2 to Multiple Cell Types for Imaging and Long-Range Circuit Mapping. <i>Journal of Neuroscience</i> , 2008, 28, 7025-7030.	3.6	591
43	Topographic mapping of VMH arcuate nucleus microcircuits and their reorganization by fasting. <i>Nature Neuroscience</i> , 2005, 8, 1356-1363.	14.8	278
44	Modular Synthesis and Preliminary Biological Evaluation of Stereochemically Diverse 1,3-Dioxanes. <i>Chemistry and Biology</i> , 2004, 11, 1279-1291.	6.0	32
45	Dissecting glucose signalling with diversity-oriented synthesis and small-molecule microarrays. <i>Nature</i> , 2002, 416, 653-657.	27.8	383
46	Split-Pool Synthesis of 1,3-Dioxanes Leading to Arrayed Stock Solutions of Single Compounds Sufficient for Multiple Phenotypic and Protein-Binding Assays. <i>Journal of the American Chemical Society</i> , 2001, 123, 1740-1747.	13.7	68
47	Synthesis of 7200 Small Molecules Based on a Substructural Analysis of the Histone Deacetylase Inhibitors Trichostatin and Trapoxin. <i>Organic Letters</i> , 2001, 3, 4239-4242.	4.6	140
48	An acid- and base-stable o-nitrobenzyl photolabile linker for solid phase organic synthesis. <i>Tetrahedron Letters</i> , 1998, 39, 7451-7454.	1.4	28