

Julie Dam

List of Publications by Year in descending order

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44
papers

2,663
citations

331670

21
h-index

276875

41
g-index

52
all docs

52
docs citations

52
times ranked

3660
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypothalamic Tanycytes Are an ERK-Gated Conduit for Leptin into the Brain. <i>Cell Metabolism</i> , 2014, 19, 293-301.	16.2	381
2	Sedimentation equilibrium analysis of protein interactions with global implicit mass conservation constraints and systematic noise decomposition. <i>Analytical Biochemistry</i> , 2004, 326, 234-256.	2.4	333
3	The orphan GPR50 receptor specifically inhibits MT1 melatonin receptor function through heterodimerization. <i>EMBO Journal</i> , 2006, 25, 3012-3023.	7.8	274
4	Calculating Sedimentation Coefficient Distributions by Direct Modeling of Sedimentation Velocity Concentration Profiles. <i>Methods in Enzymology</i> , 2004, 384, 185-212.	1.0	264
5	Sedimentation Velocity Analysis of Heterogeneous Protein-Protein Interactions: Lamm Equation Modeling and Sedimentation Coefficient Distributions $c(s)$. <i>Biophysical Journal</i> , 2005, 89, 619-634.	0.5	168
6	Variable MHC class I engagement by Ly49 natural killer cell receptors demonstrated by the crystal structure of Ly49C bound to H-2Kb. <i>Nature Immunology</i> , 2003, 4, 1213-1222.	14.5	127
7	Do orphan G-protein-coupled receptors have ligand-independent functions?. <i>EMBO Reports</i> , 2006, 7, 1094-1098.	4.5	112
8	Sedimentation Velocity Analysis of Heterogeneous Protein-Protein Interactions: Sedimentation Coefficient Distributions $c(s)$ and Asymptotic Boundary Profiles from Gilbert-Jenkins Theory. <i>Biophysical Journal</i> , 2005, 89, 651-666.	0.5	109
9	Silencing of OB-RGRP in mouse hypothalamic arcuate nucleus increases leptin receptor signaling and prevents diet-induced obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19476-19481.	7.1	92
10	A Role for the Melatonin-Related Receptor GPR50 in Leptin Signaling, Adaptive Thermogenesis, and Torpor. <i>Current Biology</i> , 2012, 22, 70-77.	3.9	83
11	Leptin brain entry via a tanycytic LepR-EGFR shuttle controls lipid metabolism and pancreas function. <i>Nature Metabolism</i> , 2021, 3, 1071-1090.	11.9	67
12	Nocturnal activation of melatonin receptor type 1 signaling modulates diurnal insulin sensitivity via regulation of $3K$ activity. <i>Journal of Pineal Research</i> , 2018, 64, e12462.	7.4	62
13	New Pharmacological Perspectives for the Leptin Receptor in the Treatment of Obesity. <i>Frontiers in Endocrinology</i> , 2014, 5, 167.	3.5	53
14	Molecular Architecture of the Major Histocompatibility Complex Class I-binding Site of Ly49 Natural Killer Cell Receptors. <i>Journal of Biological Chemistry</i> , 2008, 283, 16840-16849.	3.4	47
15	Homozygous deletion of an 80kb region comprising part of DNAJC6 and LEPR genes on chromosome 1P31.3 is associated with early onset obesity, mental retardation and epilepsy. <i>Molecular Genetics and Metabolism</i> , 2012, 106, 345-350.	1.1	47
16	Increased Expression of Fibroblast Growth Factor 21 (FGF21) during Chronic Undernutrition Causes Growth Hormone Insensitivity in Chondrocytes by Inducing Leptin Receptor Overlapping Transcript (LEPROT) and Leptin Receptor Overlapping Transcript-like 1 (LEPROTL1) Expression. <i>Journal of Biological Chemistry</i> , 2013, 288, 27375-27383.	3.4	40
17	Endospansins Regulate a Postinternalization Step of the Leptin Receptor Endocytic Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 17968-17981.	3.4	39
18	Techniques: New pharmacological perspectives for the leptin receptor. <i>Trends in Pharmacological Sciences</i> , 2006, 27, 218-225.	8.7	38

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19	The orphan GPR50 receptor promotes constitutive TGF β 2 receptor signaling and protects against cancer development. <i>Nature Communications</i> , 2018, 9, 1216.	12.8	31
20	β -Arrestin-2 BRET Biosensors Detect Different β -Arrestin-2 Conformations in Interaction with GPCRs. <i>ACS Sensors</i> , 2020, 5, 57-64.	7.8	29
21	Variable Dimerization of the Ly49A Natural Killer Cell Receptor Results in Differential Engagement of its MHC Class I Ligand. <i>Journal of Molecular Biology</i> , 2006, 362, 102-113.	4.2	27
22	Design and validation of a homogeneous time-resolved fluorescence-based leptin receptor binding assay. <i>Analytical Biochemistry</i> , 2013, 436, 1-9.	2.4	20
23	Quantitative assessment of oligomeric amyloid β 2 peptide binding to α 7 nicotinic receptor. <i>British Journal of Pharmacology</i> , 2019, 176, 3475-3488.	5.4	20
24	Therapeutic potential of melatonin and melatonergic drugs on K18 α ACE2 mice infected with SARS-CoV-2. <i>Journal of Pineal Research</i> , 2022, 72, e12772.	7.4	20
25	Complementation between dimeric mutants as a probe of dimer-dimer interactions in tetrameric dihydrofolate reductase encoded by R67 plasmid of <i>E. coli</i> 1 Edited by C. R. Matthews. <i>Journal of Molecular Biology</i> , 2000, 302, 235-250.	4.2	18
26	Endospanin 1 silencing in the hypothalamic arcuate nucleus contributes to sustained weight loss of high fat diet obese mice. <i>Gene Therapy</i> , 2014, 21, 638-644.	4.5	17
27	Effect of multiple symmetries on the association of R67 DHFR subunits bearing interfacial complementing mutations. <i>Protein Science</i> , 2004, 13, 1-14.	7.6	16
28	A novel leptin receptor antagonist uncouples leptin's metabolic and immune functions. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1201-1214.	5.4	14
29	SARS-COV-2 spike binding to ACE2 in living cells monitored by TR-FRET. <i>Cell Chemical Biology</i> , 2022, 29, 74-83.e4.	5.2	13
30	Melatonin drugs inhibit SARS-CoV-2 entry into the brain and virus-induced damage of cerebral small vessels. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	13
31	Hunting for the functions of short leptin receptor isoforms. <i>Molecular Metabolism</i> , 2013, 2, 327-328.	6.5	12
32	Endospanin1 affects oppositely body weight regulation and glucose homeostasis by differentially regulating central leptin signaling. <i>Molecular Metabolism</i> , 2017, 6, 159-172.	6.5	11
33	GPR50-Ctail cleavage and nuclear translocation: a new signal transduction mode for G protein-coupled receptors. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 5189-5205.	5.4	11
34	Amyloid Beta Peptide Is an Endogenous Negative Allosteric Modulator of Leptin Receptor. <i>Neuroendocrinology</i> , 2021, 111, 370-387.	2.5	11
35	Anti-Obesity Phenotypic Screening Looking to Increase OBR Cell Surface Expression. <i>Journal of Biomolecular Screening</i> , 2014, 19, 88-99.	2.6	8
36	Gain of affinity for VEGF165 binding within the VEGFR2/NRP1 cellular complex detected by an HTRF-based binding assay. <i>Biochemical Pharmacology</i> , 2018, 158, 45-59.	4.4	8

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37	Endospalin 1 Determines the Balance of Leptin-Regulated Hypothalamic Functions. <i>Neuroendocrinology</i> , 2019, 108, 132-141.	2.5	8
38	Histidine Decarboxylase Deficiency Prevents Autoimmune Diabetes in NOD Mice. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-9.	2.3	7
39	Detection of SARS-CoV-2 spike protein binding to ACE2 in living cells by TR-FRET. <i>STAR Protocols</i> , 2022, 3, 101024.	1.2	3
40	A Growing Family of Natural Killers. <i>Structure</i> , 2003, 11, 612-614.	3.3	1
41	Améliorer la sensibilité à la leptine vers un remède contre l'obésité. <i>Obesité</i> , 2008, 3, 264-267.	0.1	0
42	Receptor functional analysis of leptin resistance by adenosine- BRET analysis. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 3-P1-33.	0.0	0
43	Abstract 3293: Leptin induces breast cancer metastasis through a Neuropilin-1 (NRP-1)/OBR complex. , 2014, , .		0
44	Leptin Receptors and Mechanism of Action. , 2015, , 15-24.		0