Dominik Rl Lutter

List of Publications by Year
in descending order

41 papers	**1,980** citations	361413 **20** h-index	289244 **40** g-index
47 all docs	**47** docs citations	**47** times ranked	**3334** citing authors

#	Article	IF	Citations
1	Atlas of Circadian Metabolism Reveals System-wide Coordination and Communication between Clocks. Cell, 2018, 174, 1571-1585.e11.	28.9	258
2	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. Cell, 2016, 167, 843-857.e14.	28.9	153
3	The signal separation evaluation campaign (2007–2010): Achievements and remaining challenges. Signal Processing, 2012, 92, 1928-1936.	3.7	128
4	The glucose-dependent insulinotropic polypeptide (GIP) regulates body weight and food intake via CNS-GIPR signaling. Cell Metabolism, 2021, 33, 833-844.e5.	16.2	128
5	Epstein–Barr virus microRNAs reduce immune surveillance by virus-specific CD8 [+] T cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6467-E6475.	7.1	127
6	Intronic microRNAs support their host genes by mediating synergistic and antagonistic regulatory effects. BMC Genomics, 2010, 11, 224.	2.8	126
7	Epstein-Barr viral miRNAs inhibit antiviral CD4+ T cell responses targeting IL-12 and peptide processing. Journal of Experimental Medicine, 2016, 213, 2065-2080.	8.5	108
8	Transcriptional programming of lipid and amino acid metabolism by the skeletal muscle circadian clock. PLoS Biology, 2018, 16, e2005886.	5.6	107
9	Intermuscular adipose tissue directly modulates skeletal muscle insulin sensitivity in humans. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E866-E879.	3.5	97
10	Atlas of exercise metabolism reveals time-dependent signatures of metabolic homeostasis. Cell Metabolism, 2022, 34, 329-345.e8.	16.2	86
11	c-Jun/c-Fos heterodimers regulate cellular genes via a newly identified class of methylated DNA sequence motifs. Nucleic Acids Research, 2014, 42, 3059-3072.	14.5	73
12	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. Cell Metabolism, 2017, 26, 620-632.e6.	16.2	66
13	Endogenous FGF21-signaling controls paradoxical obesity resistance of UCP1-deficient mice. Nature Communications, 2020, 11, 624.	12.8	60
14	Integration of feeding behavior by the liver circadian clock reveals network dependency of metabolic rhythms. Science Advances, 2021, 7, eabi7828.	10.3	50
15	MicroRNAs coordinately regulate protein complexes. BMC Systems Biology, 2011, 5, 136.	3.0	49
16	GeneSet2miRNA: finding the signature of cooperative miRNA activities in the gene lists. Nucleic Acids Research, 2009, 37, W323-W328.	14.5	47
17	K1 and K15 of Kaposi's Sarcoma-Associated Herpesvirus Are Partial Functional Homologues of Latent Membrane Protein 2A of Epstein-Barr Virus. Journal of Virology, 2015, 89, 7248-7261.	3.4	44
18	Knowledge-based gene expression classification via matrix factorization. Bioinformatics, 2008, 24, 1688-1697.	4.1	36

#	ARTICLE	IF	CITATIONS
19	Regulation of Glucose Uptake and Enteroendocrine Function by the Intestinal Epithelial Insulin Receptor. Diabetes, 2017, 66, 886-896.	0.6	32
20	The 2010 Signal Separation Evaluation Campaign (SiSEC2010): Audio Source Separation. Lecture Notes in Computer Science, 2010, , 114-122.	1.3	25
21	Pitchfork and Gprasp2 Target Smoothened to the Primary Cilium for Hedgehog Pathway Activation. PLoS ONE, 2016, 11, e0149477.	2.5	21
22	Analyzing M-CSF dependent monocyte/macrophage differentiation: Expression modes and meta-modes derived from an independent component analysis. BMC Bioinformatics, 2008, 9, 100.	2.6	20
23	miR-335 promotes mesendodermal lineage segregation and shapes a transcription factor gradient in the endoderm. Development (Cambridge), 2014, 141, 514-525.	2.5	20
24	Sharpening of expression domains induced by transcription and microRNA regulationwithin a spatio-temporal model of mid-hindbrain boundary formation. BMC Systems Biology, 2013, 7, 48.	3.0	16
25	Identification and characterization of distinct brown adipocyte subtypes in C57BL/6J mice. Life Science Alliance, 2021, 4, e202000924.	2.8	14
26	Combination therapies induce cancer cell death through the integrated stress response and disturbed pyrimidine metabolism. EMBO Molecular Medicine, 2021, 13, e12461.	6.9	12
27	Diet triggers specific responses of hypothalamic astrocytes in time and region dependent manner. Glia, 2022, 70, 2062-2078.	4.9	12
28	Analyzing time-dependent microarray data using independent component analysis derived expression modes from human macrophages infected with F. tularensis holartica. Journal of Biomedical Informatics, 2009, 42, 605-611.	4.3	11
29	Torpor at high ambient temperature in a neotropical didelphid, the grey short-tailed opossum (Monodelphis domestica). Die Naturwissenschaften, 2014, 101, 1003-1006.	1.6	8
30	Time-matched analysis of DNA adduct formation and early gene expression as predictive tool for renal carcinogenesis in methylazoxymethanol acetate treated Eker rats. Archives of Toxicology, 2017, 91, 3427-3438.	4.2	8
31	How to extract marker genes from microarray data sets. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4215-8.	0.5	6
32	Molecular classification of the placebo effect in nausea. PLoS ONE, 2020, 15, e0238533.	2.5	6
33	Routes to identify marker genes for microarray classification. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4617-20.	0.5	4
34	Correlation guided Network Integration (CoNI) reveals novel genes affecting hepatic metabolism. Molecular Metabolism, 2021, 53, 101295.	6.5	4
35	An Ensemble Approach for Inferring Semi-quantitative Regulatory Dynamics for the Differentiation of Mouse Embryonic Stem Cells Using Prior Knowledge. Advances in Experimental Medicine and Biology, 2012, 736, 247-260.	1.6	4
36	Comparison of unsupervised and supervised gene selection methods. , 2008, 2008, 5212-5.		2

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37	The 2010 Signal Separation Evaluation Campaign (SiSEC2010): Biomedical Source Separation. Lecture Notes in Computer Science, 2010, , 123-130.	1.3	2
38	Untargeted and Targeted Circadian Metabolomics Using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) and Flow Injection-Electrospray Ionization-Tandem Mass Spectrometry (FIA-ESI-MS/MS). Methods in Molecular Biology, 2022, , 311-327.	0.9	2
39	Role Of Neuronal Fractalkine In Reducing Diet-induced Hypothalamic Inflammation. Medicine and Science in Sports and Exercise, 2017, 49, 702.	0.4	1
40	Antibiotic-induced microbiome depletion remodels daily metabolic cycles in the brain. Life Sciences, 2022, 303, 120601.	4.3	1
41	Correlation-guided Network Integration (CoNI), an R package for integrating numerical omics data that allows multiform graph representations to study molecular interaction networks. Bioinformatics Advances, 2022, 2, .	2.4	0