Daniel L Marks

List of Publications by Year
in descending order

88 papers	6,944 citations	76196 40 h-index	60497 81 g-index
95 all docs	95 docs citations	95 times ranked	8057 citing authors

#	Article	IF	Citations
1	Cachexia: A new definition. Clinical Nutrition, 2008, 27, 793-799.	2.3	1,906
2	Melanocortin-4 receptor is required for acute homeostatic responses to increased dietary fat. Nature Neuroscience, 2001, 4, 605-611.	7.1	302
3	Multidisciplinary standards of care and recent progress in pancreatic ductal adenocarcinoma. Ca-A Cancer Journal for Clinicians, 2020, 70, 375-403.	157.7	237
4	Role of leptin and melanocortin signaling in uremia-associated cachexia. Journal of Clinical Investigation, 2005, 115, 1659-1665.	3.9	218
5	The regulation of muscle mass by endogenous glucocorticoids. Frontiers in Physiology, 2015, 6, 12.	1.3	169
6	Cancer anorexia-cachexia syndrome: cytokines and neuropeptides. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 427-434.	1.3	163
7	Ghrelin Treatment Causes Increased Food Intake and Retention of Lean Body Mass in a Rat Model of Cancer Cachexia. Endocrinology, 2007, 148, 3004-3012.	1.4	162
8	Central nervous system inflammation induces muscle atrophy via activation of the hypothalamicâ€“pituitaryâ€“adrenal axis. Journal of Experimental Medicine, 2011, 208, 2449-2463.	4.2	162
9	Ghrelin Treatment of Chronic Kidney Disease: Improvements in Lean Body Mass and Cytokine Profile. Endocrinology, 2008, 149, 827-835.	1.4	138
10	Regulation of Central Melanocortin Signaling by Interleukin-1Î². Endocrinology, 2007, 148, 4217-4225.	1.4	128
11	Differential Role of Melanocortin Receptor Subtypes in Cachexia. Endocrinology, 2003, 144, 1513-1523.	1.4	124
12	Hypothalamic mechanisms in cachexia. Physiology and Behavior, 2010, 100, 478-489.	1.0	124
13	The TLR7/8 agonist R848 remodels tumor and host responses to promote survival in pancreatic cancer. Nature Communications, 2019, 10, 4682.	5.8	123
14	Inflammation-Induced Lethargy Is Mediated by Suppression of Orexin Neuron Activity. Journal of Neuroscience, 2011, 31, 11376-11386.	1.7	114
15	The central role of hypothalamic inflammation in the acute illness response and cachexia. Seminars in Cell and Developmental Biology, 2016, 54, 42-52.	2.3	110
16	Neural control of the anorexia-cachexia syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E1000-E1008.	1.8	105
17	The regulation of food intake by selective stimulation of the type 3 melanocortin receptor (MC3R). Peptides, 2006, 27, 259-264.	1.2	100
18	Establishment and characterization of a novel murine model of pancreatic cancer cachexia. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 824-838.	2.9	99

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19	The Regulation of Feeding and Metabolic Rate and the Prevention of Murine Cancer Cachexia with a Small-Molecule Melanocortin-4 Receptor Antagonist. Endocrinology, 2005, 146, 2766-2773.	1.4	93
20	Maternal High Fat Diet Is Associated with Decreased Plasma nâ€"3 Fatty Acids and Fetal Hepatic Apoptosis in Nonhuman Primates. PLoS ONE, 2011, 6, e17261.	1.1	89
21	Orexigenic and anorexigenic mechanisms in the control of nutrition in chronic kidney disease. Pediatric Nephrology, 2005, 20, 427-431.	0.9	87
22	Cancerâ€•and endotoxinâ€•induced cachexia require intact glucocorticoid signaling in skeletal muscle. FASEB Journal, 2013, 27, 3572-3582.	0.2	84
23	Regulation of Agouti-Related Protein Messenger Ribonucleic Acid Transcription and Peptide Secretion by Acute and Chronic Inflammation. Endocrinology, 2008, 149, 4837-4845.	1.4	79
24	Pathophysiology and treatment of inflammatory anorexia in chronic disease. Journal of Cachexia, Sarcopenia and Muscle, 2010, 1, 135-145.	2.9	75
25	Mechanisms of Disease: cytokine and adipokine signaling in uremic cachexia. Nature Clinical Practice Nephrology, 2006, 2, 527-534.	2.0	71
26	Muscle Atrophy in Response to Cytotoxic Chemotherapy Is Dependent on Intact Glucocorticoid Signaling in Skeletal Muscle. PLoS ONE, 2014, 9, e106489.	1.1	71
27	Peripheral Administration of the Melanocortin-4 Receptor Antagonist NBI-12i Ameliorates Uremia-Associated Cachexia in Mice. Journal of the American Society of Nephrology: JASN, 2007, 18, 2517-2524.	3.0	67
28	Association Between Sarcopenia and Mortality in Patients Undergoing Surgical Excision of Head and Neck Cancer. JAMA Otolaryngology - Head and Neck Surgery, 2019, 145, 647.	1.2	67
29	Combined effects of ghrelin and higher food intake enhance skeletal muscle mitochondrial oxidative capacity and AKT phosphorylation in rats with chronic kidney disease. Kidney International, 2010, 77, 23-28.	2.6	57
30	Pretreatment Cancer-Related Cognitive Impairmentâ€"Mechanisms and Outlook. Cancers, 2019, 11, 687.	1.7	56
31	Ala67Thr polymorphism in the Agouti-related peptide gene is associated with inherited leanness in humans. , 2004, 126A, 267-271.		55
32	Arcuate Nucleus Proopiomelanocortin Neurons Mediate the Acute Anorectic Actions of Leukemia Inhibitory Factor via gp130. Endocrinology, 2010, 151, 606-616.	1.4	55
33	Therapy insight: use of melanocortin antagonists in the treatment of cachexia in chronic disease. Nature Clinical Practice Endocrinology and Metabolism, 2006, 2, 459-466.	2.9	54
34	Genetic Dissection of the Functions of the Melanocortin-3 Receptor, a Seven-transmembrane G-protein-coupled Receptor, Suggests Roles for Central and Peripheral Receptors in Energy Homeostasis. Journal of Biological Chemistry, 2011, 286, 40771-40781.	1.6	53
35	Maternal high-fat diet and obesity compromise fetal hematopoiesis. Molecular Metabolism, 2015, 4, 25-38.	3.0	48
36	Lipocalin 2 mediates appetite suppression during pancreatic cancer cachexia. Nature Communications, 2021, 12, 2057.	5.8	48

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37	A role for orexin in cytotoxic chemotherapy-induced fatigue. Brain, Behavior, and Immunity, 2014, 37, 84-94.	2.0	47
38	Cachexia: lessons from melanocortin antagonism. Trends in Endocrinology and Metabolism, 2006, 17, 199-204.	3.1	46
39	MyD88 signalling is critical in the development of pancreatic cancer cachexia. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 378-390.	2.9	45
40	Increased maternal fat consumption during pregnancy alters body composition in neonatal mice. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E1243-E1253.	1.8	44
41	Amplification and propagation of interleukin-1Î² signaling by murine brain endothelial and glial cells. Journal of Neuroinflammation, 2017, 14, 133.	3.1	44
42	Genetic and pharmacologic blockade of central melanocortin signaling attenuates cardiac cachexia in rodent models of heart failure. Journal of Endocrinology, 2010, 206, 121-130.	1.2	43
43	Role of Soluble Epoxide Hydrolase in Exacerbation of Stroke by Streptozotocin-Induced Type 1 Diabetes Mellitus. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1650-1656.	2.4	41
44	Pâ€selectin genotype is associated with the development of cancer cachexia. EMBO Molecular Medicine, 2012, 4, 462-471.	3.3	39
45	Extracellular vesicles impose quiescence on residual hematopoietic stem cells in the leukemic niche. EMBO Reports, 2019, 20, e47546.	2.0	38
46	A TLR/AKT/FoxO3 immune toleranceâ€"like pathway disrupts the repair capacity of oligodendrocyte progenitors. Journal of Clinical Investigation, 2018, 128, 2025-2041.	3.9	38
47	Administration of IL-1Î² to the 4th ventricle causes anorexia that is blocked by agouti-related peptide and that coincides with activation of tyrosine-hydroxylase neurons in the nucleus of the solitary tract. Peptides, 2009, 30, 210-218.	1.2	37
48	Circulating myeloid cells invade the central nervous system to mediate cachexia during pancreatic cancer. ELife, 2020, 9, .	2.8	34
49	An Insulin-Responsive Sensor in the SIRT1 Disordered Region Binds DBC1 and PACS-2 to Control Enzyme Activity. Molecular Cell, 2018, 72, 985-998.e7.	4.5	33
50	Increasing lean muscle mass in mice via nanoparticle-mediated hepatic delivery of follistatin mRNA. Theranostics, 2018, 8, 5276-5288.	4.6	32
51	TRIF is a key inflammatory mediator of acute sickness behavior and cancer cachexia. Brain, Behavior, and Immunity, 2018, 73, 364-374.	2.0	32
52	The use of melanocortin antagonists in cachexia of chronic disease. Expert Opinion on Investigational Drugs, 2005, 14, 1233-1240.	1.9	31
53	Perinatal Exposure to a High-Fat Diet Is Associated with Reduced Hepatic Sympathetic Innervation in One-Year Old Male Japanese Macaques. PLoS ONE, 2012, 7, e48119.	1.1	31
54	A distinct brain pathway links viral RNA exposure to sickness behavior. Scientific Reports, 2016, 6, 29885.	1.6	31

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55	Prostacyclin signaling regulates circulating ghrelin during acute inflammation. Journal of Endocrinology, 2008, 196, 263-273.	1.2	30
56	Hypothalamic Dysfunction and Multiple Sclerosis: Implications for Fatigue and Weight Dysregulation. Current Neurology and Neuroscience Reports, 2016, 16, 98.	2.0	29
57	Persistent Toll-like receptor 7 stimulation induces behavioral and molecular innate immune tolerance. Brain, Behavior, and Immunity, 2019, 82, 338-353.	2.0	29
58	Diverging metabolic programmes and behaviours during states of starvation, protein malnutrition, and cachexia. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1429-1446.	2.9	29
59	Expression of myeloid differentiation factor 88 in neurons is not requisite for the induction of sickness behavior by interleukin-1Î². Journal of Neuroinflammation, 2012, 9, 229.	3.1	26
60	Mechanism of Protection by Soluble Epoxide Hydrolase Inhibition in Type 2 Diabetic Stroke. PLoS ONE, 2014, 9, e97529.	1.1	26
61	Leptin increases sympathetic nerve activity via induction of its own receptor in the paraventricular nucleus. ELife, 2020, 9, .	2.8	26
62	The Role of the Melanocortinâ€3 Receptor in Cachexia. Annals of the New York Academy of Sciences, 2003, 994, 258-266.	1.8	25
63	Chronic cerebral lipocalin 2 exposure elicits hippocampal neuronal dysfunction and cognitive impairment. Brain, Behavior, and Immunity, 2021, 97, 102-118.	2.0	25
64	Hypothalamic signaling in anorexia induced by indispensable amino acid deficiency. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1446-E1458.	1.8	24
65	Interleukin-1Î² signaling in fenestrated capillaries is sufficient to trigger sickness responses in mice. Journal of Neuroinflammation, 2017, 14, 219.	3.1	24
66	Pharmacological and pharmacokinetic characterization of 2-piperazine-Î±-isopropyl benzylamine derivatives as melanocortin-4 receptor antagonists. Bioorganic and Medicinal Chemistry, 2008, 16, 5606-5618.	1.4	23
67	Association of Sarcopenia With Oncologic Outcomes of Primary Surgery or Definitive Radiotherapy Among Patients With Localized Oropharyngeal Squamous Cell Carcinoma. JAMA Otolaryngology - Head and Neck Surgery, 2020, 146, 714.	1.2	22
68	Melanocortin-4 receptor antagonist TCMCB07 ameliorates cancer- and chronic kidney diseaseâ€“associated cachexia. Journal of Clinical Investigation, 2020, 130, 4921-4934.	3.9	22
69	Melanocortin-3 receptors in the limbic system mediate feeding-related motivational responses during weight loss. Molecular Metabolism, 2016, 5, 566-579.	3.0	21
70	Neural Mechanisms of Cancer Cachexia. Cancers, 2021, 13, 3990.	1.7	20
71	Design, Synthesis, In Vitro, and In Vivo Characterization of Phenylpiperazines and Pyridinylpiperazines as Potent and Selective Antagonists of the Melanocortin-4 Receptor. Journal of Medicinal Chemistry, 2007, 50, 6356-6366.	2.9	18
72	Microglia in the hypothalamus respond to tumorâ€derived factors and are protective against cachexia during pancreatic cancer. Glia, 2020, 68, 1479-1494.	2.5	17

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73	Proteomic analysis distinguishes extracellular vesicles produced by cancerous versus healthy pancreatic organoids. Scientific Reports, 2022, 12, 3556.	1.6	16
74	Hypothalamic regulation of muscle metabolism. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 237-242.	1.3	15
75	Regulation of Lean Mass, Bone Mass, and Exercise Tolerance by the Central Melanocortin System. PLoS ONE, 2012, 7, e42183.	1.1	14
76	Pyrrolidinones as orally bioavailable antagonists of the human melanocortin-4 receptor with anti-cachectic activity. Bioorganic and Medicinal Chemistry, 2007, 15, 5166-5176.	1.4	12
77	Physiologic and molecular characterization of a novel murine model of metastatic head and neck cancer cachexia. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1312-1332.	2.9	10
78	Anticatabolic properties of melanocortin-4 receptor antagonists. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 196-200.	1.3	8
79	Dexamethasone Chemotherapy Does Not Disrupt Orexin Signaling. PLoS ONE, 2016, 11, e0168731.	1.1	6
80	Critical changes in hypothalamic gene networks in response to pancreatic cancer as found by single-cell RNA sequencing. Molecular Metabolism, 2022, 58, 101441.	3.0	6
81	Melanocortinâ€3 Receptors Expressed on Agoutiâ€Related Peptide Neurons Inhibit Feeding Behavior in Female Mice. Obesity, 2018, 26, 1849-1855.	1.5	5
82	Constructing and programming a cost-effective murine running wheel with digital revolution counter. Lab Animal, 2021, 50, 202-204.	0.2	4
83	Effects on Mouse Food Consumption After Exposure to Bedding from Sick Mice or Healthy Mice. Journal of the American Association for Laboratory Animal Science, 2020, 59, 687-694.	0.6	3
84	Central mechanisms controlling appetite and food intake in a cancer setting: an update. Current Opinion in Supportive and Palliative Care, 2007, 1, 306-311.	0.5	2
85	RHEB1 expression in embryonic and postnatal mouse. Histochemistry and Cell Biology, 2016, 145, 561-572.	0.8	2
86	Validation of automated body composition analysis using diagnostic computed tomography imaging in patients with pancreatic cancer. American Journal of Surgery, 2022, 224, 742-746.	0.9	2
87	The Role of Central Melanocortins in Cachexia. , 2007, , 59-68.		0
88	Effects on Mouse Food Consumption After Exposure to Bedding from Sick Mice or Healthy Mice. Journal of the American Association for Laboratory Animal Science, 2020, 59, 687-694.	0.6	0