

Kanakadurga Singer

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,868
citations

218381

26
h-index

189595

50
g-index

76
all docs

76
docs citations

76
times ranked

4955
citing authors

#	ARTICLE	IF	CITATIONS
1	Adipose tissue macrophages: phenotypic plasticity and diversity in lean and obese states. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011, 14, 341-346.	1.3	229
2	Adipose Tissue Macrophages Function As Antigen-Presenting Cells and Regulate Adipose Tissue CD4+ T Cells in Mice. <i>Diabetes</i> , 2013, 62, 2762-2772.	0.3	185
3	Gender and Sex Differences in Adipose Tissue. <i>Current Diabetes Reports</i> , 2018, 18, 69.	1.7	180
4	Diet-induced obesity promotes myelopoiesis in hematopoietic stem cells. <i>Molecular Metabolism</i> , 2014, 3, 664-675.	3.0	179
5	An MHC II-Dependent Activation Loop between Adipose Tissue Macrophages and CD4+ T Cells Controls Obesity-Induced Inflammation. <i>Cell Reports</i> , 2014, 9, 605-617.	2.9	167
6	The initiation of metabolic inflammation in childhood obesity. <i>Journal of Clinical Investigation</i> , 2017, 127, 65-73.	3.9	125
7	Adipose Tissue Dendritic Cells Are Independent Contributors to Obesity-Induced Inflammation and Insulin Resistance. <i>Journal of Immunology</i> , 2016, 197, 3650-3661.	0.4	116
8	Macrophage Proliferation Sustains Adipose Tissue Inflammation in Formerly Obese Mice. <i>Diabetes</i> , 2017, 66, 392-406.	0.3	111
9	MGL1 promotes adipose tissue inflammation and insulin resistance by regulating 7/4hi monocytes in obesity. <i>Journal of Experimental Medicine</i> , 2009, 206, 3143-3156.	4.2	109
10	Differences in Hematopoietic Stem Cells Contribute to Sexually Dimorphic Inflammatory Responses to High Fat Diet-induced Obesity. <i>Journal of Biological Chemistry</i> , 2015, 290, 13250-13262.	1.6	92
11	Changes in Skeletal Integrity and Marrow Adiposity during High-Fat Diet and after Weight Loss. <i>Frontiers in Endocrinology</i> , 2016, 7, 102.	1.5	90
12	Neuropeptide Y Is Produced by Adipose Tissue Macrophages and Regulates Obesity-Induced Inflammation. <i>PLoS ONE</i> , 2013, 8, e57929.	1.1	81
13	Cecal Ligation and Puncture Results in Long-Term Central Nervous System Myeloid Inflammation. <i>PLoS ONE</i> , 2016, 11, e0149136.	1.1	72
14	TLR4, TRIF, and MyD88 are essential for myelopoiesis and CD11c+ adipose tissue macrophage production in obese mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 8775-8786.	1.6	61
15	Cardiovascular Fitness and Exercise as Determinants of Insulin Resistance in Postpubertal Adolescent Females. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 849-854.	1.8	60
16	Programming effects of maternal and gestational obesity on offspring metabolism and metabolic inflammation. <i>Scientific Reports</i> , 2019, 9, 16027.	1.6	55
17	Sex Differences in Inflammatory Responses to Adipose Tissue Lipolysis in Diet-Induced Obesity. <i>Endocrinology</i> , 2019, 160, 293-312.	1.4	53
18	The relationship between body fat mass percentiles and inflammation in children. <i>Obesity</i> , 2014, 22, 1332-1336.	1.5	49

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19	Developmental programming: interaction between prenatal BPA exposure and postnatal adiposity on metabolic variables in female sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E238-E247.	1.8	46
20	Ophthalmic Screening Patterns Among Youths With Diabetes Enrolled in a Large US Managed Care Network. <i>JAMA Ophthalmology</i> , 2017, 135, 432.	1.4	45
21	Frontline Science: Rapid adipose tissue expansion triggers unique proliferation and lipid accumulation profiles in adipose tissue macrophages. <i>Journal of Leukocyte Biology</i> , 2018, 103, 615-628.	1.5	43
22	Obesity-induced inflammation: The impact of the hematopoietic stem cell niche. <i>JCI Insight</i> , 2021, 6, .	2.3	41
23	The Role of Sex and Sex Hormones in Regulating Obesity-Induced Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1043, 65-86.	0.8	40
24	Obesity-induced remodeling of the adipose tissue elastin network is independent of the metalloelastase MMP-12. <i>Adipocyte</i> , 2015, 4, 264-272.	1.3	35
25	Sexually dimorphic myeloid inflammatory and metabolic responses to diet-induced obesity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R211-R216.	0.9	34
26	CD40 promotes MHC class II expression on adipose tissue macrophages and regulates adipose tissue CD4+ T cells with obesity. <i>Journal of Leukocyte Biology</i> , 2016, 99, 1107-1119.	1.5	33
27	G-CSF partially mediates effects of sleeve gastrectomy on the bone marrow niche. <i>Journal of Clinical Investigation</i> , 2019, 129, 2404-2416.	3.9	32
28	Role of TLR4 in the induction of inflammatory changes in adipocytes and macrophages. <i>Adipocyte</i> , 2020, 9, 212-222.	1.3	30
29	Histone Methylation Directs Myeloid TLR4 Expression and Regulates Wound Healing following Cutaneous Tissue Injury. <i>Journal of Immunology</i> , 2019, 202, 1777-1785.	0.4	28
30	Age and Sex: Impact on adipose tissue metabolism and inflammation. <i>Mechanisms of Ageing and Development</i> , 2021, 199, 111563.	2.2	28
31	Lipolysis of bone marrow adipocytes is required to fuel bone and the marrow niche during energy deficits. <i>ELife</i> , 0, 11, .	2.8	27
32	The relationship between adiposity and bone density in U.S. children and adolescents. <i>PLoS ONE</i> , 2017, 12, e0181587.	1.1	26
33	Inflammatory responses to dietary and surgical weight loss in male and female mice. <i>Biology of Sex Differences</i> , 2019, 10, 16.	1.8	25
34	The Collision of Meta-Inflammation and SARS-CoV-2 Pandemic Infection. <i>Endocrinology</i> , 2020, 161, .	1.4	25
35	Sex hormones regulate meta-inflammation in diet-induced obesity in mice. <i>Journal of Biological Chemistry</i> , 2021, 297, 101229.	1.6	23
36	Adipocyte hypertrophy-hyperplasia balance contributes to weight loss after bariatric surgery. <i>Adipocyte</i> , 2017, 6, 134-140.	1.3	21

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37	Clinical course of sepsis in children with acute leukemia admitted to the pediatric intensive care unit*. <i>Pediatric Critical Care Medicine</i> , 2011, 12, 649-654.	0.2	20
38	Lactational High-Fat Diet Exposure Programs Metabolic Inflammation and Bone Marrow Adiposity in Male Offspring. <i>Nutrients</i> , 2019, 11, 1393.	1.7	20
39	Female adipose tissue has improved adaptability and metabolic health compared to males in aged obesity. <i>Aging</i> , 2020, 12, 1725-1746.	1.4	20
40	Epigenetic Regulation of TLR4 in Diabetic Macrophages Modulates Immunometabolism and Wound Repair. <i>Journal of Immunology</i> , 2020, 204, 2503-2513.	0.4	19
41	Sustaining the Pediatric Endocrinology Workforce: Recommendations from the Pediatric Endocrine Society Workforce Task Force. <i>Journal of Pediatrics</i> , 2021, 233, 4-7.	0.9	15
42	Influence of Obesity Diagnosis With Organ Dysfunction, Mortality, and Resource Use Among Children Hospitalized With Infection in the United States. <i>Journal of Intensive Care Medicine</i> , 2017, 32, 339-345.	1.3	14
43	Pediatricians Advocating Breastfeeding: Let's Start with Supporting our Fellow Pediatricians First. <i>Journal of Pediatrics</i> , 2019, 206, 6-7.	0.9	12
44	Insulin Bolus Calculator in a Pediatric Hospital. <i>Applied Clinical Informatics</i> , 2017, 08, 529-540.	0.8	11
45	Monocyte Trafficking and Polarization Contribute to Sex Differences in Meta-Inflammation. <i>Frontiers in Endocrinology</i> , 2022, 13, 826320.	1.5	11
46	Ectopic Cushing syndrome secondary to metastatic medullary thyroid cancer in a child with multiple endocrine neoplasia syndrome type 2B: clues to early diagnosis of the paraneoplastic syndromes. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2014, 27, 993-6.	0.4	10
47	Acute Aerobic Exercise Remodels the Adipose Tissue Progenitor Cell Phenotype in Obese Adults. <i>Frontiers in Physiology</i> , 2020, 11, 903.	1.3	10
48	Weight Regain in Formerly Obese Mice Hastens Development of Hepatic Steatosis Due to Impaired Adipose Tissue Function. <i>Obesity</i> , 2020, 28, 1086-1097.	1.5	10
49	Perceptions of Parenting Challenges and Career Progression Among Physician Faculty at an Academic Hospital. <i>JAMA Network Open</i> , 2020, 3, e2029076.	2.8	10
50	Biodegradable, bile salt microparticles for localized fat dissolution. <i>Science Advances</i> , 2020, 6, .	4.7	9
51	Enhanced Myeloid Leukocytes in Obese Children and Adolescents at Risk for Metabolic Impairment. <i>Frontiers in Endocrinology</i> , 2020, 11, 327.	1.5	8
52	Advantages of Studying the Metabolome in Response to Mixed-Macronutrient Challenges and Suggestions for Future Research Designs. <i>Journal of Nutrition</i> , 2021, 151, 2868-2881.	1.3	8
53	Residual Thyroid Tissue After Thyroidectomy in a Patient With TSH Receptor-Activating Mutation Presenting as a Neck Mass. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 448-452.	1.8	7
54	Outcomes and Resource Use Among Overweight and Obese Children With Sepsis in the Pediatric Intensive Care Unit. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 472-477.	1.3	7

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55	Developmental programming: Adipose depot-specific changes and thermogenic adipocyte distribution in the female sheep. <i>Molecular and Cellular Endocrinology</i> , 2020, 503, 110691.	1.6	7
56	Diet-dependent sex differences in the response to vertical sleeve gastrectomy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E11-E23.	1.8	7
57	Mouse adenovirus type 1 infection of adipose tissue. <i>Virus Research</i> , 2018, 244, 90-98.	1.1	6
58	Diet-induced obesity in mice impairs host defense against <i>Klebsiella</i> pneumonia in vivo and glucose transport and bactericidal functions in neutrophils in vitro. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L116-L128.	1.3	6
59	Maternal High-Fat Diet During Pre-Conception and Gestation Predisposes Adult Female Offspring to Metabolic Dysfunction in Mice. <i>Frontiers in Endocrinology</i> , 2021, 12, 780300.	1.5	6
60	Elevated Testosterone and Hypergonadotropism in Active Adolescents of Normal Weight with Oligomenorrhea. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2009, 22, 323-327.	0.3	3
61	Water-fat magnetic resonance imaging quantifies relative proportions of brown and white adipose tissues: ex-vivo experiments. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	3
62	Insulin Bolus Calculator: Lessons Learned from Institutional Experience. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 265-270.	1.3	2
63	Insulin Receptor-Expressing T Cells Appear in Individuals at Risk for Type 1 Diabetes and Can Move into the Pancreas in C57BL/6 Transgenic Mice. <i>Journal of Immunology</i> , 2021, 206, 1443-1453.	0.4	2
64	Weight Gain, Glucose Tolerance, and the Gut Microbiome of Male C57BL/6J Mice Housed on Corncob or Paper Bedding and Fed Normal or High-Fat Diet. <i>Journal of the American Association for Laboratory Animal Science</i> , 2021, 60, 407-421.	0.6	2
65	Energizing the Conversation: How to Identify and Overcome Gender Inequalities in Academic Medicine. <i>Journal of Continuing Education in the Health Professions</i> , 2020, 40, 274-278.	0.4	2
66	Improving type 1 diabetes control with leptin - Is this a game-changer?. <i>Pediatric Diabetes</i> , 2010, 11, 216-217.	1.2	1
67	Preserving Future Generations of Pediatric Researchers. <i>Journal of Pediatrics</i> , 2018, 196, 4-6.	0.9	1
68	Operational Constraints and Gender Biases: A Qualitative Analysis of Physician Parenting Experiences. <i>Women S Health Reports</i> , 2022, 3, 297-306.	0.4	1
69	Elevated Testosterone in Active Girls of Normal Weight with Oligomenorrhea. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2008, 21, 76-77.	0.3	0
70	Sex Differences in Grant Funding. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 578.	3.8	0
71	Reply. <i>Journal of Pediatrics</i> , 2019, 211, 226.	0.9	0
72	Proposed endocrine funding priorities for the NICHD strategic plan: expert opinion from the Pediatric Endocrine Society. <i>Pediatric Research</i> , 2019, 86, 141-143.	1.1	0

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73	Diet Induced Obesity Impairs Murine Alveolar Macrophage Bactericidal Functions Against K. Pneumoniae by Reducing Glucose Transport. , 2020, , .		0
74	Body Composition and Hepatic Inflammation in Obese Pneumonia Survivors. , 2021, , .		0