Erin L Seifert

List of Publications by Year
in descending order

65 papers	4,261 citations	117625 34 h-index	123424 61 g-index
73 all docs	73 docs citations	73 times ranked	7172 citing authors

#	Article	IF	Citations
1	Pyruvate dehydrogenase inactivation causes glycolytic phenotype in BAP1 mutant uveal melanoma. Oncogene, 2022, , .	5.9	6
2	A Novel Role for DNA-PK in Metabolism by Regulating Glycolysis in Castration-Resistant Prostate Cancer. Clinical Cancer Research, 2022, 28, 1446-1459.	7.0	12
3	Mitochondrial Calcium Uniporter Affects Neutrophil Bactericidal Activity during Staphylococcus aureus Infection. Infection and Immunity, 2022, 90, IAI0055121.	2.2	5
4	Frataxin deficiency lowers lean mass and triggers the integrated stress response in skeletal muscle. JCI Insight, 2022, 7, .	5.0	8
5	BAP1 mutant uveal melanoma is stratified by metabolic phenotypes with distinct vulnerability to metabolic inhibitors. Oncogene, 2021, 40, 618-632.	5.9	28
6	Adaptation of the heart to Frataxin depletion: Evidence that integrated stress response can predominate over mTORC1 activation. Human Molecular Genetics, 2021, , .	2.9	6
7	Quantification of lactoyl-CoA (lactyl-CoA) by liquid chromatography mass spectrometry in mammalian cells and tissues. Open Biology, 2020, 10, 200187.	3.6	38
8	Multiple mitochondrial thioesterases have distinct tissue and substrate specificity and CoA regulation, suggesting unique functional roles. Journal of Biological Chemistry, 2019, 294, 19034-19047.	3.4	27
9	Dysregulation of Mitochondrial Ca2+ Uptake and Sarcolemma Repair Underlie Muscle Weakness and Wasting in Patients and Mice Lacking MICU1. Cell Reports, 2019, 29, 1274-1286.e6.	6.4	68
10	Arsenic-induced metabolic shift triggered by the loss of miR-199a-5p through Sp1-dependent DNA methylation. Toxicology and Applied Pharmacology, 2019, 378, 114606.	2.8	18
11	Loss of PINK1 causes age-dependent decrease of dopamine release and mitochondrial dysfunction. Neurobiology of Aging, 2019, 75, 1-10.	3.1	25
12	Bicarbonate Recycling by HIF-1â€“Dependent Carbonic Anhydrase Isoforms 9 and 12 Is Critical in Maintaining Intracellular pH and Viability of Nucleus Pulposus Cells. Journal of Bone and Mineral Research, 2018, 33, 338-355.	2.8	46
13	Metabolic reprogramming of murine cardiomyocytes during autophagy requires the extracellular nutrient sensor decorin. Journal of Biological Chemistry, 2018, 293, 16940-16950.	3.4	19
14	Loss of Mitochondrial Phosphate Carrier in Skeletal Muscle: Dissociation of Muscle Dysfunction from Lower ADP Phosphorylating Potential. Biophysical Journal, 2018, 114, 658a.	0.5	0
15	Tissue-Specific Mitochondrial Decoding of Cytoplasmic Ca2+ Signals Is Controlled by the Stoichiometry of MICU1/2 and MCU. Cell Reports, 2017, 18, 2291-2300.	6.4	145
16	Cyclin D1 Restrains Oncogene-Induced Autophagy by Regulating the AMPKâ€“LKB1 Signaling Axis. Cancer Research, 2017, 77, 3391-3405.	0.9	45
17	MSTO 1 is a cytoplasmic proâ€mitochondrial fusion protein, whose mutation induces myopathy and ataxia in humans. EMBO Molecular Medicine, 2017, 9, 967-984.	6.9	53
18	Mitochondrial Calcium Uptake and Matrix Calcium Buffering in Skeletal Muscle. Biophysical Journal, 2017, 112, 130a-131a.	0.5	0

#	Article	IF	Citations
19	Posttranscriptional Upregulation of IDH1 by HuR Establishes a Powerful Survival Phenotype in Pancreatic Cancer Cells. Cancer Research, 2017, 77, 4460-4471.	0.9	87
20	MICU1 regulation of mitochondrial Ca2+ uptake dictates survival and tissue regeneration. Nature Communications, 2016, 7, 10955.	12.8	159
21	Natural and Induced Mitochondrial Phosphate Carrier Loss. Journal of Biological Chemistry, 2016, 291, 26126-26137.	3.4	18
22	TP53-inducible Glycolysis and Apoptosis Regulator (TIGAR) Metabolically Reprograms Carcinoma and Stromal Cells in Breast Cancer. Journal of Biological Chemistry, 2016, 291, 26291-26303.	3.4	62
23	Hypoxia promotes noncanonical autophagy in nucleus pulposus cells independent of MTOR and HIF1A signaling. Autophagy, 2016, 12, 1631-1646.	9.1	89
24	MICU1, the Ca2+ Sensing Regulator of the Mitochondrial Ca2+ Uniporter is Required for Adaptation to Postnatal Life. Biophysical Journal, 2016, 110, 311a.	0.5	0
25	Characterization of Mitochondrial Calcium Uptake in Skeletal Muscle. Biophysical Journal, 2016, 110, 259a.	0.5	0
26	The mitochondrial phosphate carrier: Role in oxidative metabolism, calcium handling and mitochondrial disease. Biochemical and Biophysical Research Communications, 2015, 464, 369-375.	2.1	52
27	Mitochondrial functions modulate neuroendocrine, metabolic, inflammatory, and transcriptional responses to acute psychological stress. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6614-23.	7.1	209
28	IL-15RÎ± is a determinant of muscle fuel utilization, and its loss protects against obesity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R835-R844.	1.8	31
29	The Retinal Pigment Epithelium Utilizes Fatty Acids for Ketogenesis. Journal of Biological Chemistry, 2014, 289, 20570-20582.	3.4	136
30	The SIRT1 deacetylase protects mice against the symptoms of metabolic syndrome. FASEB Journal, 2014, 28, 1306-1316.	0.5	74
31	Lower Mitochondrial Proton Leak and Decreased Glutathione Redox in Primary Muscle Cells of Obese Diet-Resistant Versus Diet-Sensitive Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 4223-4230.	3.6	17
32	Acyl-CoA thioesterase-2 facilitates mitochondrial fatty acid oxidation in the liver. Journal of Lipid Research, 2014, 55, 2458-2470.	4.2	64
33	Reliance of ERâ€“mitochondrial calcium signaling on mitochondrial EF-hand Ca2+ binding proteins: Miros, MICUs, LETM1 and solute carriers. Current Opinion in Cell Biology, 2014, 29, 133-141.	5.4	42
34	Functional mitochondrial analysis in acute brain sections from adult rats reveals mitochondrial dysfunction in a rat model of migraine. American Journal of Physiology - Cell Physiology, 2014, 307, C1017-C1030.	4.6	40
35	Muscle uncoupling protein 3 overexpression mimics endurance training and reduces circulating biomarkers of incomplete Î²â€oxidation. FASEB Journal, 2013, 27, 4213-4225.	0.5	43
36	MICU1 Controls Both the Threshold and Cooperative Activation of the Mitochondrial Ca2+ Uniporter. Cell Metabolism, 2013, 17, 976-987.	16.2	397

#	Article	IF	Citations
37	SirT1 catalytic activity is required for male fertility and metabolic homeostasis in mice. FASEB Journal, 2012, 26, 555-566.	0.5	51
38	Intrinsic aerobic capacity correlates with greater inherent mitochondrial oxidative and H₂O₂emission capacities without major shifts in myosin heavy chain isoform. Journal of Applied Physiology, 2012, 113, 1624-1634.	2.5	27
39	MICU1 Serves as a Ca2+-Controlled Gatekeeper for the Mitochondrial Ca2+ Uniporter. Biophysical Journal, 2012, 102, 163a-164a.	0.5	4
40	Calorie restriction in mice overexpressing UCP3: Evidence that prior mitochondrial uncoupling alters response. Experimental Gerontology, 2012, 47, 361-371.	2.8	11
41	The Adipocyte-Expressed Forkhead Transcription Factor Foxc2 Regulates Metabolism Through Altered Mitochondrial Function. Diabetes, 2011, 60, 427-435.	0.6	61
42	Glutathionylation Acts as a Control Switch for Uncoupling Proteins UCP2 and UCP3. Journal of Biological Chemistry, 2011, 286, 21865-21875.	3.4	156
43	Absence of uncoupling protein-3 leads to greater activation of an adenine nucleotide translocase-mediated proton conductance in skeletal muscle mitochondria from calorie restricted mice. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1389-1397.	1.0	22
44	Loss of the Parkinson's disease-linked gene DJ-1 perturbs mitochondrial dynamics. Human Molecular Genetics, 2010, 19, 3734-3746.	2.9	343
45	Electron Transport Chain-dependent and -independent Mechanisms of Mitochondrial H2O2 Emission during Long-chain Fatty Acid Oxidation. Journal of Biological Chemistry, 2010, 285, 5748-5758.	3.4	211
46	Distinct skeletal muscle fiber characteristics and gene expression in diet-sensitive versus diet-resistant obesity. Journal of Lipid Research, 2010, 51, 2394-2404.	4.2	52
47	Long-Chain Fatty Acid Combustion Rate Is Associated with Unique Metabolite Profiles in Skeletal Muscle Mitochondria. PLoS ONE, 2010, 5, e9834.	2.5	24
48	Mitochondrial uncoupling and remodeling during caloric restriction: Implications for oxidative stress and aging. FASEB Journal, 2009, 23, 954.14.	0.5	0
49	Thyroid Hormone Effects on Mitochondrial Energetics. Thyroid, 2008, 18, 145-156.	4.5	145
50	Essential Role for Uncoupling Protein-3 in Mitochondrial Adaptation to Fasting but Not in Fatty Acid Oxidation or Fatty Acid Anion Export. Journal of Biological Chemistry, 2008, 283, 25124-25131.	3.4	88
51	Rescue of Neurons from Ischemic Injury by Peroxisome Proliferator-Activated Receptor-Â Requires a Novel Essential Cofactor LMO4. Journal of Neuroscience, 2008, 28, 12433-12444.	3.6	37
52	OP-1 injection increases VEGF expression but not angiogenesis in a rabbit model of distraction osteogenesis. Growth Factors, 2008, 26, 143-151.	1.7	8
53	SirT1 Regulates Energy Metabolism and Response to Caloric Restriction in Mice. PLoS ONE, 2008, 3, e1759.	2.5	397
54	Uncoupling proteinâ€3: clues in an ongoing mitochondrial mystery. FASEB Journal, 2007, 21, 312-324.	0.5	122

#	Article	IF	Citations
55	The energetic implications of uncoupling protein-3 in skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2007, 32, 884-894.	1.9	35
56	Decreased left ventricular function, myocarditis, and coronary arteriolar medial thickening following monocrotaline administration in adult rats. Journal of Applied Physiology, 2007, 103, 287-295.	2.5	55
57	Effect of Body Warming on Regional Blood Flow Distribution in Conscious Hypoxic One-Month-Old Rabbits. Neonatology, 2006, 90, 104-112.	2.0	7
58	The circadian pattern of breathing in conscious adult rats. Respiration Physiology, 2002, 129, 297-305.	2.7	44
59	Circadian patterns of breathing. Respiratory Physiology and Neurobiology, 2002, 131, 91-100.	1.6	25
60	Circadian pattern of ventilation during prolonged hypoxia in conscious rats. Respiratory Physiology and Neurobiology, 2002, 133, 23-34.	1.6	23
61	Hypoxic depression of circadian rhythms in adult rats. Journal of Applied Physiology, 2000, 88, 365-368.	2.5	141
62	Light-dark differences in the effects of ambient temperature on gaseous metabolism in newborn rats. Journal of Applied Physiology, 2000, 88, 1853-1858.	2.5	8
63	Continuous circadian measurements of ventilation in behaving adult rats. Respiration Physiology, 2000, 120, 179-183.	2.7	44
64	Hypoxic depression of circadian oscillations in sino-aortic denervated rats. Respiration Physiology, 2000, 122, 61-69.	2.7	26
65	Baclofen attenuates cardiorespiratory effects of vagal C fiber stimulation in rats. Canadian Journal of Physiology and Pharmacology, 1995, 73, 1485-1494.	1.4	13