Naresh C Bal

List of Publications by Year
in descending order

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29 papers	1,837 citations	331670 21 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	2205 citing authors

#	Article	IF	Citations
1	Sarcolipin is a newly identified regulator of muscle-based thermogenesis in mammals. Nature Medicine, 2012, 18, 1575-1579.	30.7	441
2	The role of skeletalâ€muscleâ€based thermogenic mechanisms in vertebrate endothermy. Biological Reviews, 2015, 90, 1279-1297.	10.4	162
3	Sarcolipin Is a Key Determinant of the Basal Metabolic Rate, and Its Overexpression Enhances Energy Expenditure and Resistance against Diet-induced Obesity. Journal of Biological Chemistry, 2015, 290, 10840-10849.	3.4	123
4	Sarcolipin: A Key Thermogenic and Metabolic Regulator in Skeletal Muscle. Trends in Endocrinology and Metabolism, 2016, 27, 881-892.	7.1	100
5	Sarcolipin Protein Interaction with Sarco(endo)plasmic Reticulum Ca2+ATPase (SERCA) Is Distinct from Phospholamban Protein, and Only Sarcolipin Can Promote Uncoupling of the SERCA Pump. Journal of Biological Chemistry, 2013, 288, 6881-6889.	3.4	97
6	Uncoupling Protein 1 and Sarcolipin Are Required to Maintain Optimal Thermogenesis, and Loss of Both Systems Compromises Survival of Mice under Cold Stress. Journal of Biological Chemistry, 2015, 290, 12282-12289.	3.4	97
7	Both brown adipose tissue and skeletal muscle thermogenesis processes are activated during mild to severe cold adaptation in mice. Journal of Biological Chemistry, 2017, 292, 16616-16625.	3.4	96
8	Increased Reliance on Muscle-based Thermogenesis upon Acute Minimization of Brown Adipose Tissue Function. Journal of Biological Chemistry, 2016, 291, 17247-17257.	3.4	78
9	IKKÎ± and alternative NF-Î°B regulate PGC-1Î² to promote oxidative muscle metabolism. Journal of Cell Biology, 2012, 196, 497-511.	5.2	63
10	Uncoupling of sarcoendoplasmic reticulum calcium ATPase pump activity by sarcolipin as the basis for muscle non-shivering thermogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190135.	4.0	57
11	The N Terminus of Sarcolipin Plays an Important Role in Uncoupling Sarco-endoplasmic Reticulum Ca2+-ATPase (SERCA) ATP Hydrolysis from Ca2+ Transport. Journal of Biological Chemistry, 2015, 290, 14057-14067.	3.4	56
12	Mild cold induced thermogenesis: are BAT and skeletal muscle synergistic partners?. Bioscience Reports, 2017, 37, .	2.4	55
13	Metabolic Dysfunction and Altered Mitochondrial Dynamics in the Utrophin-Dystrophin Deficient Mouse Model of Duchenne Muscular Dystrophy. PLoS ONE, 2015, 10, e0123875.	2.5	53
14	Sarcolipin trumps Î²â€adrenergic receptor signaling as the favored mechanism for muscleâ€based dietâ€induced thermogenesis. FASEB Journal, 2013, 27, 3871-3878.	0.5	50
15	Sarcolipin and uncoupling protein 1 play distinct roles in dietâ€induced thermogenesis and do not compensate for one another. Obesity, 2016, 24, 1430-1433.	3.0	48
16	Protein kinase CÎ² deficiency attenuates obesity syndrome of ob/ob mice by promoting white adipose tissue remodeling. Journal of Lipid Research, 2012, 53, 368-378.	4.2	43
17	Wholeâ€body endothermy: ancient, homologous and widespread among the ancestors of mammals, birds and crocodylians. Biological Reviews, 2022, 97, 766-801.	10.4	42
18	The Role of Sarcolipin in Muscle Non-shivering Thermogenesis. Frontiers in Physiology, 2018, 9, 1217.	2.8	35

#	Article	IF	Citations
19	Cold adaptation overrides developmental regulation of sarcolipin expression in mice skeletal muscle: SOS for muscle-based thermogenesis?. Journal of Experimental Biology, 2015, 218, 2321-5.	1.7	34
20	Functional interaction between calsequestrin and ryanodine receptor in the heart. Cellular and Molecular Life Sciences, 2013, 70, 2935-2945.	5.4	28
21	The Catecholaminergic Polymorphic Ventricular Tachycardia Mutation R33Q Disrupts the N-terminal Structural Motif That Regulates Reversible Calsequestrin Polymerization. Journal of Biological Chemistry, 2010, 285, 17188-17196.	3.4	26
22	Is Upregulation of Sarcolipin Beneficial or Detrimental to Muscle Function?. Frontiers in Physiology, 2021, 12, 633058.	2.8	22
23	The Câ€terminal calciumâ€sensitive disordered motifs regulate isoformâ€specific polymerization characteristics of calsequestrin. Biopolymers, 2015, 103, 15-22.	2.4	13
24	Non and Epigenetic Mechanisms in Regulation of Adaptive Thermogenesis in Skeletal Muscle. Frontiers in Endocrinology, 2019, 10, 517.	3.5	9
25	Epiregulin induces leptin secretion and energy expenditure in high-fat diet-fed mice. Journal of Endocrinology, 2018, 239, 377-388.	2.6	4
26	First Insight on Small Molecules as Cardiac Calsequestrin Stabilizers. ACS Omega, 2019, 4, 11508-11514.	3.5	2
27	Strain specific differences in muscle Ca2+ transport and mitochondrial electron transport proteins between FVB/N and C57BL/6J mice. Journal of Experimental Biology, 2020, 224, .	1.7	2
28	A novel mechanism for UCP1â€independent thermogenesis. FASEB Journal, 2013, 27, 1152.24.	0.5	1
29	The role of increased Sarcolipin expression in neonatal development and in muscle disease. FASEB Journal, 2013, 27, .	0.5	0