

# 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	Whole-body endothermy: ancient, homologous and widespread among the ancestors of mammals, birds and crocodylians. <i>Biological Reviews</i> , 2022, 97, 766-801.	10.4	42
2	Is Upregulation of Sarcolipin Beneficial or Detrimental to Muscle Function?. <i>Frontiers in Physiology</i> , 2021, 12, 633058.	2.8	22
3	Strain specific differences in muscle Ca <sup>2+</sup> transport and mitochondrial electron transport proteins between FVB/N and C57BL/6J mice. <i>Journal of Experimental Biology</i> , 2020, 224, .	1.7	2
4	Uncoupling of sarcoendoplasmic reticulum calcium ATPase pump activity by sarcolipin as the basis for muscle non-shivering thermogenesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190135.	4.0	57
5	Non and Epigenetic Mechanisms in Regulation of Adaptive Thermogenesis in Skeletal Muscle. <i>Frontiers in Endocrinology</i> , 2019, 10, 517.	3.5	9
6	First Insight on Small Molecules as Cardiac Calsequestrin Stabilizers. <i>ACS Omega</i> , 2019, 4, 11508-11514.	3.5	2
7	The Role of Sarcolipin in Muscle Non-shivering Thermogenesis. <i>Frontiers in Physiology</i> , 2018, 9, 1217.	2.8	35
8	Epiregulin induces leptin secretion and energy expenditure in high-fat diet-fed mice. <i>Journal of Endocrinology</i> , 2018, 239, 377-388.	2.6	4
9	Mild cold induced thermogenesis: are BAT and skeletal muscle synergistic partners?. <i>Bioscience Reports</i> , 2017, 37, .	2.4	55
10	Both brown adipose tissue and skeletal muscle thermogenesis processes are activated during mild to severe cold adaptation in mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 16616-16625.	3.4	96
11	Sarcolipin and uncoupling protein 1 play distinct roles in diet-induced thermogenesis and do not compensate for one another. <i>Obesity</i> , 2016, 24, 1430-1433.	3.0	48
12	Sarcolipin: A Key Thermogenic and Metabolic Regulator in Skeletal Muscle. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 881-892.	7.1	100
13	Increased Reliance on Muscle-based Thermogenesis upon Acute Minimization of Brown Adipose Tissue Function. <i>Journal of Biological Chemistry</i> , 2016, 291, 17247-17257.	3.4	78
14	Metabolic Dysfunction and Altered Mitochondrial Dynamics in the Utrophin-Dystrophin Deficient Mouse Model of Duchenne Muscular Dystrophy. <i>PLoS ONE</i> , 2015, 10, e0123875.	2.5	53
15	The N Terminus of Sarcolipin Plays an Important Role in Uncoupling Sarco-endoplasmic Reticulum Ca <sup>2+</sup> -ATPase (SERCA) ATP Hydrolysis from Ca <sup>2+</sup> Transport. <i>Journal of Biological Chemistry</i> , 2015, 290, 14057-14067.	3.4	56
16	Cold adaptation overrides developmental regulation of sarcolipin expression in mice skeletal muscle: SOS for muscle-based thermogenesis?. <i>Journal of Experimental Biology</i> , 2015, 218, 2321-5.	1.7	34
17	Sarcolipin Is a Key Determinant of the Basal Metabolic Rate, and Its Overexpression Enhances Energy Expenditure and Resistance against Diet-induced Obesity. <i>Journal of Biological Chemistry</i> , 2015, 290, 10840-10849.	3.4	123
18	Uncoupling Protein 1 and Sarcolipin Are Required to Maintain Optimal Thermogenesis, and Loss of Both Systems Compromises Survival of Mice under Cold Stress. <i>Journal of Biological Chemistry</i> , 2015, 290, 12282-12289.	3.4	97

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19	The role of skeletal muscle-based thermogenic mechanisms in vertebrate endothermy. <i>Biological Reviews</i> , 2015, 90, 1279-1297.	10.4	162
20	The C-terminal calcium-sensitive disordered motifs regulate isoform-specific polymerization characteristics of calsequestrin. <i>Biopolymers</i> , 2015, 103, 15-22.	2.4	13
21	Functional interaction between calsequestrin and ryanodine receptor in the heart. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2935-2945.	5.4	28
22	Sarcolipin trumps $\beta$ -adrenergic receptor signaling as the favored mechanism for muscle-based diet-induced thermogenesis. <i>FASEB Journal</i> , 2013, 27, 3871-3878.	0.5	50
23	Sarcolipin Protein Interaction with Sarco(endo)plasmic Reticulum $Ca^{2+}$ -ATPase (SERCA) Is Distinct from Phospholamban Protein, and Only Sarcolipin Can Promote Uncoupling of the SERCA Pump. <i>Journal of Biological Chemistry</i> , 2013, 288, 6881-6889.	3.4	97
24	The role of increased Sarcolipin expression in neonatal development and in muscle disease. <i>FASEB Journal</i> , 2013, 27, .	0.5	0
25	A novel mechanism for UCP1-independent thermogenesis. <i>FASEB Journal</i> , 2013, 27, 1152.24.	0.5	1
26	Protein kinase $C\delta$ deficiency attenuates obesity syndrome of ob/ob mice by promoting white adipose tissue remodeling. <i>Journal of Lipid Research</i> , 2012, 53, 368-378.	4.2	43
27	IKK $\alpha$ and alternative NF- $\kappa$ B regulate PGC-1 $\beta$ to promote oxidative muscle metabolism. <i>Journal of Cell Biology</i> , 2012, 196, 497-511.	5.2	63
28	Sarcolipin is a newly identified regulator of muscle-based thermogenesis in mammals. <i>Nature Medicine</i> , 2012, 18, 1575-1579.	30.7	441
29	The Catecholaminergic Polymorphic Ventricular Tachycardia Mutation R33Q Disrupts the N-terminal Structural Motif That Regulates Reversible Calsequestrin Polymerization. <i>Journal of Biological Chemistry</i> , 2010, 285, 17188-17196.	3.4	26