Surya M Nauli

List of Publications by Year
in descending order

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52 papers	3,684 citations	304743 22 h-index	189892 50 g-index
52 all docs	52 docs citations	52 times ranked	3135 citing authors

#	Article	IF	Citations
1	Polycystins 1 and 2 mediate mechanosensation in the primary cilium of kidney cells. Nature Genetics, 2003, 33, 129-137.	21.4	1,822
2	Endothelial Cilia Are Fluid Shear Sensors That Regulate Calcium Signaling and Nitric Oxide Production Through Polycystin-1. Circulation, 2008, 117, 1161-1171.	1.6	404
3	Ciliary Polycystin-2 Is a Mechanosensitive Calcium Channel Involved in Nitric Oxide Signaling Cascades. Circulation Research, 2009, 104, 860-869.	4.5	280
4	Cilioplasm is a cellular compartment for calcium signaling in response to mechanical and chemical stimuli. Cellular and Molecular Life Sciences, 2014, 71, 2165-2178.	5.4	113
5	Nanoparticle-Mediated Drug Delivery for the Treatment of Cardiovascular Diseases . International Journal of Nanomedicine, 2020, Volume 15, 3741-3769.	6.7	89
6	Dopamine Receptor Type 5 in the Primary Cilia Has Dual Chemo- and Mechano-Sensory Roles. Hypertension, 2011, 58, 325-331.	2.7	76
7	Mechanisms regulating cilia growth and cilia function in endothelial cells. Cellular and Molecular Life Sciences, 2012, 69, 165-173.	5.4	75
8	Primary cilia regulates the directional migration and barrier integrity of endothelial cells through the modulation of Hsp27 dependent actin cytoskeletal organization. Journal of Cellular Physiology, 2012, 227, 70-76.	4.1	58
9	Non-Motile Primary Cilia as Fluid Shear Stress Mechanosensors. Methods in Enzymology, 2013, 525, 1-20.	1.0	57
10	Survivin-Induced Abnormal Ploidy Contributes to Cystic Kidney and Aneurysm Formation. Circulation, 2014, 129, 660-672.	1.6	48
11	Role of neuronal nitric oxide synthase on cardiovascular functions in physiological and pathophysiological states. Nitric Oxide - Biology and Chemistry, 2020, 102, 52-73.	2.7	43
12	Roles of dopamine receptor on chemosensory and mechanosensory primary cilia in renal epithelial cells. Frontiers in Physiology, 2014, 5, 72.	2.8	42
13	Calcium channels in primary cilia. Current Opinion in Nephrology and Hypertension, 2016, 25, 452-458.	2.0	35
14	The Mechanosensory Role of Primary Cilia in Vascular Hypertension. International Journal of Vascular Medicine, 2011, 2011, 1-9.	1.0	34
15	A Comparative Study of Embedded and Anesthetized Zebrafish in vivo on Myocardiac Calcium Oscillation and Heart Muscle Contraction. Frontiers in Pharmacology, 2010, 1, 139.	3.5	32
16	L-type calcium channel modulates cystic kidney phenotype. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1518-1526.	3.8	31
17	Vascular Endothelial Primary Cilia: Mechanosensation and Hypertension. Current Hypertension Reviews, 2016, 12, 57-67.	0.9	30
18	Sensory primary cilium is a responsive cAMP microdomain in renal epithelia. Scientific Reports, 2019, 9, 6523.	3.3	30

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19	Effects of nitric oxide and GABA interaction within ventrolateral medulla on cardiovascular responses during static muscle contraction. Brain Research, 2001, 922, 234-242.	2.2	25
20	Alcohol consumption impairs the ependymal cilia motility in the brain ventricles. Scientific Reports, 2017, 7, 13652.	3.3	25
21	Chylomicrons produced by Caco-2 cells contained ApoB-48 with diameter of 80-200Ânm. Physiological Reports, 2014, 2, e12018.	1.7	24
22	Protein composition and movements of membrane swellings associated with primary cilia. Cellular and Molecular Life Sciences, 2015, 72, 2415-2429.	5.4	24
23	Ciliotherapy: a novel intervention in polycystic kidney disease. Journal of Geriatric Cardiology, 2014, 11, 63-73.	0.2	23
24	Ciliotherapy: Remote Control of Primary Cilia Movement and Function by Magnetic Nanoparticles. ACS Nano, 2019, 13, 3555-3572.	14.6	22
25	Personalized Nanotherapy by Specifically Targeting Cell Organelles To Improve Vascular Hypertension. Nano Letters, 2019, 19, 904-914.	9.1	20
26	Patterns of cilia gene dysregulations in major psychiatric disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 109, 110255.	4.8	19
27	Regulation of Polycystin-1 Function by Calmodulin Binding. PLoS ONE, 2016, 11, e0161525.	2.5	17
28	Ciliary extracellular vesicles are distinct from the cytosolic extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12086.	12.2	16
29	Regulation of Brain Primary Cilia Length by MCH Signaling: Evidence from Pharmacological, Genetic, Optogenetic, and Chemogenic Manipulations. Molecular Neurobiology, 2022, 59, 245-265.	4.0	16
30	Simultaneous glutamate and Î³-aminobutyric acid release within ventrolateral medulla during skeletal muscle contraction in intact and barodenervated rats. Brain Research, 2001, 923, 137-146.	2.2	15
31	Cardiovascular responses and neurotransmission in the ventrolateral medulla during skeletal muscle contraction following transient middle cerebral artery occlusion and reperfusion. Brain Research, 2002, 952, 176-187.	2.2	15
32	Functional probes for cardiovascular molecular imaging. Quantitative Imaging in Medicine and Surgery, 2018, 8, 838-852.	2.0	14
33	Effects of opioid receptor activation on cardiovascular responses and extracellular monoamines within the rostral ventrolateral medulla during static contraction of skeletal muscle. Neuroscience Research, 2001, 41, 373-383.	1.9	13
34	Proteomic Identification Reveals the Role of Ciliary Extracellularâ€Like Vesicle in Cardiovascular Function. Advanced Science, 2020, 7, 1903140.	11.2	13
35	Rapamycin treatment correlates changes in primary cilia expression with cell cycle regulation in epithelial cells. Biochemical Pharmacology, 2020, 178, 114056.	4.4	11
36	Molecular changes in nNOS protein expression within the ventrolateral medulla following transient focal ischemia affect cardiovascular functions. Brain Research, 2005, 1055, 73-82.	2.2	9

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37	Chemical-Free Technique to Study the Ultrastructure of Primary Cilium. Scientific Reports, 2015, 5, 15982.	3.3	9
38	Hypertension in Autosomal Dominant Polycystic Kidney Disease: A Clinical and Basic Science Perspective. International Journal of Nephrology and Urology, 2010, 2, 294-308.	0.0	8
39	Dynamic Changes of Brain Cilia Transcriptomes across the Human Lifespan. International Journal of Molecular Sciences, 2021, 22, 10387.	4.1	7
40	Functionalized Silver Nanoparticles for Sensing, Molecular Imaging and Therapeutic Applications. Current Nanomedicine, 2019, 8, 234-250.	0.6	7
41	Novel biomarkers of ciliary extracellular vesicles interact with ciliopathy and Alzheimerâ€™s associated proteins. Communicative and Integrative Biology, 2021, 14, 264-269.	1.4	7
42	Interactions among Endothelial Nitric Oxide Synthase, Cardiovascular System, and Nociception during Physiological and Pathophysiological States. Molecules, 2022, 27, 2835.	3.8	7
43	Live Imaging of the Ependymal Cilia in the Lateral Ventricles of the Mouse Brain. Journal of Visualized Experiments, 2015, , e52853.	0.3	5
44	Label-free spectral imaging to study drug distribution and metabolism in single living cells. Scientific Reports, 2021, 11, 2703.	3.3	4
45	Cilia proteins are biomarkers of altered flow in the vasculature. JCI Insight, 2022, 7, .	5.0	3
46	Endothelial cilia are mechanosensory organelles. FASEB Journal, 2008, 22, 1177.1.	0.5	2
47	Arrhythmogenic Hearts in PKD2 Mutant Mice Are Characterized by Cardiac Fibrosis, Systolic, and Diastolic Dysfunctions. Frontiers in Cardiovascular Medicine, 2021, 8, 772961.	2.4	2
48	Measurement of cytoplasmic and cilioplasmic calcium in a single living cell. Methods in Cell Biology, 2019, 153, 25-42.	1.1	1
49	Cholesterol may not have a special place in kidneys. American Journal of Physiology - Renal Physiology, 2019, 317, F1169-F1170.	2.7	1
50	The use of advanced spectral imaging to reveal nanoparticle identity in the biological samples. Nanoscale, 2022, , .	5.6	1
51	Cystâ€lining epithelial cells from ADPKD kidneys have a mechanoâ€ciliary dysfunction. FASEB Journal, 2006, 20, A339.	0.5	0
52	Differentiation of mechanical forces in perfused artery. FASEB Journal, 2009, 23, 949.3.	0.5	0