

# Natalia A Riobo

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

4,675  
citations

159525

30  
h-index

155592

55  
g-index

61  
all docs

61  
docs citations

61  
times ranked

5219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Pro-Fibrotic CLIC4 in Dermal Fibroblasts by TGF- $\beta$ 2/Wnt3a Is Mediated by GLI2 Upregulation. <i>Cells</i> , 2022, 11, 530.	1.8	5
2	Ubiquitin-protein ligase Ubr5 cooperates with hedgehog signalling to promote skeletal tissue homeostasis. <i>PLoS Genetics</i> , 2021, 17, e1009275.	1.5	4
3	Silencing of Histone Deacetylase 6 Decreases Cellular Malignancy and Contributes to Primary Cilium Restoration, Epithelial-to-Mesenchymal Transition Reversion, and Autophagy Inhibition in Glioblastoma Cell Lines. <i>Biology</i> , 2021, 10, 467.	1.3	7
4	Integral Membrane Protein 2A Is a Negative Regulator of Canonical and Non-Canonical Hedgehog Signalling. <i>Cells</i> , 2021, 10, 2003.	1.8	1
5	Long non-coding RNA HOTAIR induces GLI2 expression through Notch signalling in systemic sclerosis dermal fibroblasts. <i>Arthritis Research and Therapy</i> , 2020, 22, 286.	1.6	27
6	Another twist to the GLI code. <i>Biochemical Journal</i> , 2020, 477, 4343-4347.	1.7	2
7	Role of Hedgehog Signaling in Breast Cancer: Pathogenesis and Therapeutics. <i>Cells</i> , 2019, 8, 375.	1.8	79
8	Overexpression of Desmoglein 2 in a Mouse Model of Gorlin Syndrome Enhances Spontaneous Basal Cell Carcinoma Formation through STAT3-Mediated Gli1 Expression. <i>Journal of Investigative Dermatology</i> , 2019, 139, 300-307.	0.3	14
9	Autophagic Flux Is Regulated by Interaction Between the C-terminal Domain of PATCHED1 and ATG101. <i>Molecular Cancer Research</i> , 2018, 16, 909-919.	1.5	11
10	Overlap in signaling between Smoothed and the $\beta$ subunit of the heterotrimeric G protein G13. <i>PLoS ONE</i> , 2018, 13, e0197442.	1.1	3
11	Activation of the Gi protein-RHOA axis by non-canonical Hedgehog signaling is independent of primary cilia. <i>PLoS ONE</i> , 2018, 13, e0203170.	1.1	17
12	Coupling of Smoothed to inhibitory G proteins reduces voltage-gated K <sup>+</sup> currents in cardiomyocytes and prolongs cardiac action potential duration. <i>Journal of Biological Chemistry</i> , 2018, 293, 11022-11032.	1.6	12
13	Enhancement of Cutaneous Wound Healing by Dsg2 Augmentation of uPAR Secretion. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2470-2479.	0.3	12
14	078 Dsg2 enhances spontaneous BCC formation in Ptc1 +/ $\beta$ mice. <i>Journal of Investigative Dermatology</i> , 2016, 136, S14.	0.3	0
15	The Prognostic Significance of the Hedgehog Signaling Pathway in Colorectal Cancer. <i>Clinical Colorectal Cancer</i> , 2016, 15, 116-127.	1.0	34
16	Cell Cycle- and Cancer-Associated Gene Networks Activated by Dsg2: Evidence of Cystatin A Deregulation and a Potential Role in Cell-Cell Adhesion. <i>PLoS ONE</i> , 2015, 10, e0120091.	1.1	22
17	Methods for Detection of Ptc1-Driven LacZ Expression in Adult Mouse Skin. <i>Methods in Molecular Biology</i> , 2015, 1322, 167-185.	0.4	1
18	Evaluating the Activity of Smoothed Toward G Proteins Using [35S]Guanosine 5 $\alpha$ -(3-O-thio)triphosphate ([35S]GTP $\gamma$ S). <i>Methods in Molecular Biology</i> , 2015, 1322, 35-44.	0.4	3

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19	Crosstalk between Desmoglein 2 and Patched 1 accelerates chemical-induced skin tumorigenesis. <i>Oncotarget</i> , 2015, 6, 8593-8605.	0.8	17
20	Trop-2 is up-regulated in invasive prostate cancer and displaces FAK from focal contacts. <i>Oncotarget</i> , 2015, 6, 14318-14328.	0.8	58
21	Patched-1 Proapoptotic Activity Is Downregulated by Modification of K1413 by the E3 Ubiquitin-Protein Ligase Itchy Homolog. <i>Molecular and Cellular Biology</i> , 2014, 34, 3855-3866.	1.1	35
22	G <sub>i</sub> proteins mediate activation of the canonical hedgehog pathway in the myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H66-H72.	1.5	20
23	Canonical and Non-Canonical Hedgehog Signaling Pathways: Role of G Proteins. <i>Topics in Medicinal Chemistry</i> , 2014, , 13-42.	0.4	2
24	Canonical and non-canonical Hedgehog signalling and the control of metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2014, 33, 81-92.	2.3	117
25	Smoothed is a Fully Competent Activator of the Heterotrimeric G Protein G <sub>i</sub> . <i>Molecular Pharmacology</i> , 2013, 83, 691-697.	1.0	64
26	Noncanonical Hedgehog Signaling. <i>Vitamins and Hormones</i> , 2012, 88, 55-72.	0.7	142
27	The Hedgehog Signal Transduction Network. <i>Science Signaling</i> , 2012, 5, re6.	1.6	350
28	Cholesterol and its derivatives in Sonic Hedgehog signaling and cancer. <i>Current Opinion in Pharmacology</i> , 2012, 12, 736-741.	1.7	49
29	Heterotrimeric Gi Proteins Link Hedgehog Signaling to Activation of Rho Small GTPases to Promote Fibroblast Migration. <i>Journal of Biological Chemistry</i> , 2011, 286, 19589-19596.	1.6	132
30	Sonic Hedgehog Activates the GTPases Rac1 and RhoA in a Gli-Independent Manner Through Coupling of Smoothed to G <sub>i</sub> Proteins A Presentation from the 1st International HEALING Meeting: Hh-Gli Signaling in Development, Regeneration and Disease, Kolymbari, Crete, 23 to 25 June 2011.. <i>Science Signaling</i> , 2011, 4, pt7.	1.6	84
31	The $\beta$ Subunit of the G Protein G13 Regulates Activity of One or More Gli Transcription Factors Independently of Smoothed. <i>Journal of Biological Chemistry</i> , 2011, 286, 30714-30722.	1.6	18
32	Hedgehog proteins activate pro-angiogenic responses in endothelial cells through non-canonical signaling pathways. <i>Cell Cycle</i> , 2010, 9, 570-579.	1.3	190
33	PKCs as Mediators of the Hedgehog and Wnt Signaling Pathways. , 2010, , 267-286.		0
34	Chapter 11 Purification and Bioassay of Hedgehog Ligands for the Study of Cell Death and Survival. <i>Methods in Enzymology</i> , 2008, 446, 189-204.	0.4	11
35	Early mitochondrial dysfunction in electron transfer activity and reactive oxygen species generation after cardiac arrest. <i>Critical Care Medicine</i> , 2008, 36, S447-S453.	0.4	68
36	Pathways of signal transduction employed by vertebrate Hedgehogs. <i>Biochemical Journal</i> , 2007, 403, 369-379.	1.7	182

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37	Hedgehog Signal Transduction: Signal Integration and Cross Talk in Development and Cancer. <i>Cell Cycle</i> , 2006, 5, 1612-1615.	1.3	74
38	Phosphoinositide 3-kinase and Akt are essential for Sonic Hedgehog signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4505-4510.	3.3	418
39	Activation of heterotrimeric G proteins by Smoothed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12607-12612.	3.3	225
40	Androgens Regulate Protein Kinase C $\beta$ Transcription and Modulate Its Apoptotic Function in Prostate Cancer Cells. <i>Cancer Research</i> , 2006, 66, 11792-11801.	0.4	38
41	Protein Kinase C $\beta$ and Mitogen-Activated Protein/Extracellular Signal-Regulated Kinase-1 Control G $\beta$ Activation in Hedgehog Signaling. <i>Cancer Research</i> , 2006, 66, 839-845.	0.4	187
42	Receptors coupled to heterotrimeric G proteins of the G12 family. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 146-154.	4.0	156
43	Neuronal nitric oxide synthases in brain and extraneural tissues. <i>Methods in Enzymology</i> , 2002, 359, 413-423.	0.4	9
44	The Modulation of Mitochondrial Nitric-oxide Synthase Activity in Rat Brain Development. <i>Journal of Biological Chemistry</i> , 2002, 277, 42447-42455.	1.6	93
45	The reaction of nitric oxide with 6-hydroxydopamine: implications for Parkinson's disease. <i>Free Radical Biology and Medicine</i> , 2002, 32, 115-121.	1.3	33
46	Neuroprotection in Parkinson's disease; a commentary. <i>Neurotoxicity Research</i> , 2002, 4, 141-145.	1.3	7
47	Nitric oxide inhibits mitochondrial NADH:ubiquinone reductase activity through peroxynitrite formation. <i>Biochemical Journal</i> , 2001, 359, 139.	1.7	181
48	Nitric oxide inhibits mitochondrial NADH:ubiquinone reductase activity through peroxynitrite formation. <i>Biochemical Journal</i> , 2001, 359, 139-145.	1.7	229
49	Oxidation of ubiquinol by peroxynitrite: implications for protection of mitochondria against nitrosative damage. <i>Biochemical Journal</i> , 2000, 349, 35.	1.7	49
50	Overexpression of Neutrophil Neuronal Nitric Oxide Synthase in Parkinson's Disease. <i>Nitric Oxide - Biology and Chemistry</i> , 2000, 4, 534-539.	1.2	97
51	Mitochondrial Function and Nitric Oxide Utilization. <i>Biological Research</i> , 2000, 33, 177-83.	1.5	2
52	The reaction of nitric oxide with ubiquinol: kinetic properties and biological significance. <i>Free Radical Biology and Medicine</i> , 1999, 26, 925-935.	1.3	146
53	Circulating plasma factors in Parkinson's disease enhance nitric oxide release of normal human neutrophils. <i>Journal of the Neurological Sciences</i> , 1999, 165, 66-70.	0.3	11
54	The Regulation of Mitochondrial Oxygen Uptake by Redox Reactions Involving Nitric Oxide and Ubiquinol. <i>Journal of Biological Chemistry</i> , 1999, 274, 37709-37716.	1.6	158

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55	Effects of Respiratory Burst Inhibitors on Nitric Oxide Production by Human Neutrophils. Free Radical Research, 1997, 26, 325-334.	1.5	19
56	Nitric Oxide Inhibits Electron Transfer and Increases Superoxide Radical Production in Rat Heart Mitochondria and Submitochondrial Particles. Archives of Biochemistry and Biophysics, 1996, 328, 85-92.	1.4	703
57	Neutrophil function, nitric oxide, and blood oxidative stress in Parkinson's disease. Movement Disorders, 1996, 11, 261-267.	2.2	47