Andreas Friebe

List of Publications by Year
in descending order

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52	2,951	201674	168389
papers	citations	27 h-index	53 g-index

54	54	54	3314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NOâ€sensitive guanylyl cyclase in the lung. British Journal of Pharmacology, 2021, , .	5.4	8
2	Inflammation in the Human Periodontium Induces Downregulation of the Î±1- and Î²1-Subunits of the sGC in Cementoclasts. International Journal of Molecular Sciences, 2021, 22, 539.	4.1	3
3	cGMP: a unique 2nd messenger molecule â€“ recent developments in cGMP research and development. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 287-302.	3.0	82
4	Î²3-Adrenoceptor redistribution impairs NO/cGMP/PDE2 signalling in failing cardiomyocytes. ELife, 2020, 9, .	6.0	28
5	Gastrointestinal dysfunction in autism displayed by altered motility and achalasia in Foxp1 ^{+/â^'} mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22237-22245.	7.1	31
6	Cellâ€specific effects of nitric oxide on the efficiency and frequency of long distance contractions in murine colon. Neurogastroenterology and Motility, 2019, 31, e13589.	3.0	11
7	NO-GC in cells 'off the beaten track'. Nitric Oxide - Biology and Chemistry, 2018, 77, 12-18.	2.7	18
8	Cardioprotection by ischemic postconditioning and cyclic guanosine monophosphate-elevating agents involves cardiomyocyte nitric oxide-sensitive guanylyl cyclase. Cardiovascular Research, 2018, 114, 822-829.	3.8	43
9	Nitrergic signaling via interstitial cells of Cajal and smooth muscle cells influences circular smooth muscle contractility in murine colon. Neurogastroenterology and Motility, 2018, 30, e13300.	3.0	22
10	The IgCAM CLMP is required for intestinal and ureteral smooth muscle contraction by regulating Connexin43 and 45 expression in mice. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	23
11	Protein kinases G are essential downstream mediators of the antifibrotic effects of sGC stimulators. Annals of the Rheumatic Diseases, 2018, 77, 459-459.	0.9	33
12	Phosphodiesterase 3A expression and activity in the murine vasculature is influenced by NO-sensitive guanylyl cyclase. Pflugers Archiv European Journal of Physiology, 2018, 470, 693-702.	2.8	10
13	Comparison of nitrergic signaling in circular and longitudinal smooth muscle of murine ileum. Neurogastroenterology and Motility, 2018, 30, e13175.	3.0	6
14	Downregulation of the Î±₁- and Î²₁-subunit of sGC in Arterial Smooth Muscle Cells of OPSCC Is HPV-Independent. Journal of Dental Research, 2018, 97, 1214-1221.	5.2	8
15	Optical control of a receptor-linked guanylyl cyclase using a photoswitchable peptidic hormone. Chemical Science, 2017, 8, 4644-4653.	7.4	23
16	The enteric nervous system is a potential autoimmune target in multiple sclerosis. Acta Neuropathologica, 2017, 134, 281-295.	7.7	38
17	NO-Sensitive Guanylate Cyclase Isoforms NO-GC1 and NO-GC2 Contribute to Noise-Induced Inner Hair Cell Synaptopathy. Molecular Pharmacology, 2017, 92, 375-388.	2.3	24
18	Rebuttal from Kenton M. Sanders, Sean M. Ward and Andreas Friebe. Journal of Physiology, 2016, 594, 1515-1515.	2.9	3

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19	Erythrocytes do not activate purified and platelet soluble guanylate cyclases even in conditions favourable for NO synthesis. Cell Communication and Signaling, 2016, 14, 16.	6.5	22
20	CrossTalk proposal: Interstitial cells are involved and physiologically important in neuromuscular transmission in the gut. Journal of Physiology, 2016, 594, 1507-1509.	2.9	15
21	Soluble guanylate cyclase as an alternative target for bronchodilator therapy in asthma. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2355-62.	7.1	57
22	Integrative Control of Gastrointestinal Motility by Nitric Oxide. Current Medicinal Chemistry, 2016, 23, 2715-2735.	2.4	56
23	Nitrergic signalling via interstitial cells of Cajal regulates motor activity in murine colon. Journal of Physiology, 2015, 593, 4589-4601.	2.9	37
24	The sGC stimulator riociguat inhibits platelet function in washed platelets but not in whole blood. British Journal of Pharmacology, 2015, 172, 5199-5210.	5.4	25
25	Stimulation of soluble guanylyl cyclase protects against obesity by recruiting brown adipose tissue. Nature Communications, 2015, 6, 7235.	12.8	85
26	Stimulation of the soluble guanylate cyclase (sGC) inhibits fibrosis by blocking non-canonical TGFÎ² signalling. Annals of the Rheumatic Diseases, 2015, 74, 1408-1416.	0.9	92
27	Soluble Guanylate Cyclase Is Required for Systemic Vasodilation But Not Positive Inotropy Induced by Nitroxyl in the Mouse. Hypertension, 2015, 65, 385-392.	2.7	36
28	Sildenafil Does Not Prevent Heart Hypertrophy and Fibrosis Induced by Cardiomyocyte Angiotensin II Type 1 Receptor Signaling. Journal of Pharmacology and Experimental Therapeutics, 2015, 354, 406-416.	2.5	14
29	Cell-specific impact of nitric oxide-dependent guanylyl cyclase on arteriogenesis and angiogenesis in mice. Angiogenesis, 2015, 18, 245-254.	7.2	16
30	From bedside to benchâ€"meeting report of the 7th International Conference on cGMP â€œcGMP: generators, effectors and therapeutic implicationsâ€•in Trier, Germany, from June 19th to 21st 2015. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 1237-1246.	3.0	13
31	Dominant role of interstitial cells of Cajal in nitrergic relaxation of murine lower oesophageal sphincter. Journal of Physiology, 2015, 593, 403-414.	2.9	29
32	Toward a better understanding of gastrointestinal nitrergic neuromuscular transmission. Neurogastroenterology and Motility, 2014, 26, 901-912.	3.0	23
33	Interstitial cells of Cajal mediate nitrergic inhibitory neurotransmission in the murine gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2014, 307, G98-G106.	3.4	50
34	Lack of effect of <scp>ODQ</scp> does not exclude <scp>cGMP</scp> signalling via <scp>NO</scp>â€sensitive guanylyl cyclase. British Journal of Pharmacology, 2013, 170, 317-327.	5.4	27
35	Cell-Specific Deletion of Nitric Oxideâ€“Sensitive Guanylyl Cyclase Reveals a Dual Pathway for Nitrergic Neuromuscular Transmission in the Murine Fundus. Gastroenterology, 2013, 145, 188-196.	1.3	49
36	Reply. Gastroenterology, 2013, 145, 1161.	1.3	0

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37	Preserved fertility despite erectile dysfunction in mice lacking the nitric oxide receptor. Journal of Physiology, 2013, 591, 491-502.	2.9	6
38	Correlation of cellular expression with function of NOâ€sensitive guanylyl cyclase in the murine lower urinary tract. Journal of Physiology, 2013, 591, 5365-5375.	2.9	13
39	Nitric Oxideâ€“Sensitive Guanylyl Cyclase Is Dispensable for Nitrergic Signaling and Gut Motility in Mouse Intestinal Smooth Muscle. Gastroenterology, 2011, 140, 1608-1617.	1.3	55
40	Differentiation of cGMP-dependent and -independent nitric oxide effects on platelet apoptosis and reactive oxygen species production using platelets lacking soluble guanylyl cyclase. Thrombosis and Haemostasis, 2011, 106, 922-933.	3.4	42
41	Nitric oxideâ€sensitive guanylyl cyclase is the only nitric oxide receptor mediating platelet inhibition. Journal of Thrombosis and Haemostasis, 2010, 8, 1343-1352.	3.8	102
42	Smooth Muscleâ€“Specific Deletion of Nitric Oxideâ€“Sensitive Guanylyl Cyclase Is Sufficient to Induce Hypertension in Mice. Circulation, 2010, 121, 401-409.	1.6	89
43	Neuronal Nitric Oxide Synthase Modulates Maturation of Human Dendritic Cells. Journal of Immunology, 2010, 184, 6025-6034.	0.8	25
44	The function of NO-sensitive guanylyl cyclase: What we can learn from genetic mouse models. Nitric Oxide - Biology and Chemistry, 2009, 21, 149-156.	2.7	103
45	Fatal gastrointestinal obstruction and hypertension in mice lacking nitric oxide-sensitive guanylyl cyclase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7699-7704.	7.1	208
46	Desensitization of NO/cGMP Signaling in Smooth Muscle: Blood Vessels Versus Airways. Molecular Pharmacology, 2006, 69, 1969-1974.	2.3	37
47	Spare guanylyl cyclase NO receptors ensure high NO sensitivity in the vascular system. Journal of Clinical Investigation, 2006, 116, 1731-1737.	8.2	181
48	In Vivo Reconstitution of the Negative Feedback in Nitric Oxide/cGMP Signaling: Role of Phosphodiesterase Type 5 Phosphorylation. Molecular Biology of the Cell, 2004, 15, 4023-4030.	2.1	40
49	The enhanced NO-induced cGMP response induced by long-term l-NAME treatment is not due to enhanced expression of NO-sensitive guanylyl cyclase. Vascular Pharmacology, 2003, 40, 161-165.	2.1	11
50	Regulation of Nitric Oxide-Sensitive Guanylyl Cyclase. Circulation Research, 2003, 93, 96-105.	4.5	469
51	YC-1 Potentiates Nitric Oxide- and Carbon Monoxide-Induced Cyclic GMP Effects in Human Platelets. Molecular Pharmacology, 1998, 54, 962-967.	2.3	177
52	Sensitizing soluble guanylyl cyclase to become a highly CO-sensitive enzyme.. EMBO Journal, 1996, 15, 6863-6868.	7.8	321