Lars Edvinsson

List of Publications by Year
in descending order

468 papers	34,328 citations	4067 89 h-index	7068 155 g-index
540 all docs	540 docs citations	540 times ranked	12744 citing authors

#	Article	IF	Citations
1	Vasoactive peptide release in the extracerebral circulation of humans during migraine headache. Annals of Neurology, 1990, 28, 183-187.	5.8	1,415
2	The trigeminovascular system and migraine: Studies characterizing cerebrovascular and neuropeptide changes seen in humans and cats. Annals of Neurology, 1993, 33, 48-56.	5.8	1,046
3	Release of vasoactive peptides in the extracerebral circulation of humans and the cat during activation of the trigeminovascular system. Annals of Neurology, 1988, 23, 193-196.	5.8	828
4	Neuropeptide Y co-exists and co-operates with noradrenaline in perivascular nerve fibers. Regulatory Peptides, 1984, 8, 225-235.	1.8	705
5	CGRP as the target of new migraine therapies â€" successful translation from bench to clinic. Nature Reviews Neurology, 2018, 14, 338-350.	10.0	672
6	Human in vivo evidence for trigeminovascular activation in cluster headache Neuropeptide changes and effects of acute attacks therapies. Brain, 1994, 117, 427-434.	8.0	631
7	Calcitonin gene-related peptide: functional role in cerebrovascular regulation.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 5731-5735.	7.6	460
8	Autonomic nerves, mast cells, and amine receptors in human brain vessels. A histochemical and pharmacological study. Brain Research, 1976, 115, 377-393.	2.3	444
9	CGRP and its receptors provide new insights into migraine pathophysiology. Nature Reviews Neurology, 2010, 6, 573-582.	10.0	428
10	Mechanical properties of rat cerebral arteries as studied by a sensitive device for recording of mechanical activity in isolated small blood vessels*. Acta Physiologica Scandinavica, 1983, 117, 49-61.	2.1	404
11	Innervation of the feline cerebral vasculature by nerve fibers containing calcitonin gene-related peptide: Trigeminal origin and co-existence with substance P. Neuroscience Letters, 1985, 62, 131-136.	2.1	387
12	Immunohistochemical localization of a vasodilatory polypeptide (VIP) in cerebrovascular nerves. Brain Research, 1976, 113, 400-404.	2.3	366
13	Perivascular peptides relax cerebral arteries concomitant with stimulation of cyclic adenosine monophosphate accumulation or release of an endothelium-derived relaxing factor in the cat. Neuroscience Letters, 1985, 58, 213-217.	2.1	362
14	Neuropeptide Y: Cerebrovascular innervation an vasomotor effects in the cat. Neuroscience Letters, 1983, 43, 79-84.	2.1	324
15	Calcitonin gene-related peptide (CGRP): perivascular distribution and vasodilatory effects. Regulatory Peptides, 1986, 15, 1-23.	1.8	309
16	The concept of coupling blood flow to brain function: Revision required?. Annals of Neurology, 1987, 22, 289-297.	5.8	296
17	Calcitonin Gene-Related Peptide and Cerebral Blood Vessels: Distribution and Vasomotor Effects. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 720-728.	4.6	289
18	Differential distribution of calcitonin gene-related peptide and its receptor components in the human trigeminal ganglion. Neuroscience, 2010, 169, 683-696.	2.4	283

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19	Randomized controlled trial of the CGRP receptor antagonist telcagepant for migraine prevention. Neurology, 2014, 83, 958-966.	1.1	241
20	Safety, tolerability, and efficacy of TEV-48125 for preventive treatment of chronic migraine: a multicentre, randomised, double-blind, placebo-controlled, phase 2b study. Lancet Neurology, The, 2015, 14, 1091-1100.	10.4	227
21	Blocking CGRP in migraine patients â€“ a review of pros and cons. Journal of Headache and Pain, 2017, 18, 96.	6.2	223
22	Functional role of perivascular peptides in the control of cerebral circulation. Trends in Neurosciences, 1985, 8, 126-131.	8.8	218
23	Stimulation of the superior sagittal sinus in the cat causes release of vasoactive peptides. Neuropeptides, 1990, 16, 69-75.	2.2	217
24	<scp>T</scp>he <scp>T</scp>rigeminovascular <scp>P</scp>athway: <scp>R</scp>ole of CGRP and CGRP <scp>R</scp>eceptors in <scp>M</scp>igraine. Headache, 2017, 57, 47-55.	3.6	217
25	Localization of CGRP, CGRP receptor, PACAP and glutamate in trigeminal ganglion. Relation to the bloodâ€“brain barrier. Brain Research, 2015, 1600, 93-109.	2.3	214
26	Neurobiology in primary headaches. Brain Research Reviews, 2005, 48, 438-456.	9.0	210
27	Differentiation of Nerve Fibers Storing CGRP and CGRP Receptors in the Peripheral Trigeminovascular System. Journal of Pain, 2013, 14, 1289-1303.	1.4	210
28	Does inflammation have a role in migraine?. Nature Reviews Neurology, 2019, 15, 483-490.	10.0	210
29	Central serotonergic nerves project to the pial vessels of the brain. Nature, 1983, 306, 55-57.	36.2	199
30	Substance P: immunohistochemical localization and effect upon cat pial arteries in vitro and in situ.. Journal of Physiology, 1981, 318, 251-258.	2.9	197
31	Characterisation of 5-HT receptors in human coronary arteries by molecular and pharmacological techniques. European Journal of Pharmacology, 1999, 372, 49-56.	3.6	192
32	Regional distribution of mast cells containing histamine, dopamine, or 5â€hydroxytryptamine in the mammalian brain. Neurology, 1977, 27, 878-878.	1.1	182
33	Messenger molecules and receptor mRNA in the human trigeminal ganglion. Journal of the Autonomic Nervous System, 1999, 76, 176-183.	2.0	178
34	Cholinergic mechanisms in pial vessels. Cell and Tissue Research, 1972, 134, 311-325.	3.0	177
35	Release of Histamine from Dural Mast Cells by Substance P and Calcitonin Gene-Related Peptide. Cephalalgia, 1997, 17, 166-174.	4.2	177
36	Peripheral and Central Trigeminovascular Activation in Cat is Blocked by the Serotonin (5HT)-I D Receptor Agonist 311C90. Headache, 1994, 34, 394-399.	3.6	172

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37	Neuropeptides in Migraine and Cluster Headache. Cephalalgia, 1994, 14, 320-327.	4.2	171
38	Peptide-containing nerve fibers in human cerebral arteries: Immunocytochemistry, radioimmunoassay and in vitro pharmacology. Annals of Neurology, 1987, 21, 431-437.	5.8	170
39	Retrograde Tracing of Nerve Fibers to the Rat Middle Cerebral Artery with True Blue: Colocalization with Different Peptides. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 212-218.	4.6	166
40	A second trigeminal <scp>CGRP</scp> receptor: function and expression of the <scp>AMY</scp> ₁ receptor. Annals of Clinical and Translational Neurology, 2015, 2, 595-608.	3.7	162
41	Neuropeptide Y: Immunocytochemical localization to and effect upon feline pial arteries and veins in vitro and in situ. Acta Physiologica Scandinavica, 1984, 122, 155-163.	2.1	158
42	Are brain vessels innervated also by central (non-sympathetic) adrenergic neurones?. Brain Research, 1973, 63, 496-499.	2.3	156
43	Mechanisms of migraine as a chronic evolutive condition. Journal of Headache and Pain, 2019, 20, 117.	6.2	154
44	VIP (vasoactive intestinal polypeptide)-containing nerves of intracranial arteries in mammals. Cell and Tissue Research, 1980, 208, 135-42.	3.0	142
45	Neuropeptide Changes in a case of Chronic Paroxysmal Hemicraniaâ€"Evidence for Trigemino-Parasympathetic Activation. Cephalalgia, 1996, 16, 448-450.	4.2	141
46	5-HT1B and 5-HT1D receptors in the human trigeminal ganglion: co-localization with calcitonin gene-related peptide, substance P and nitric oxide synthase. Brain Research, 2001, 909, 112-120.	2.3	140
47	Calcitonin gene-related peptide (CGRP) and its receptor components in human and rat spinal trigeminal nucleus and spinal cord at C1-level. BMC Neuroscience, 2011, 12, 112.	1.8	137
48	Nerve Fibers Containing Neuropeptide Y in the Cerebrovascular Bed: Immunocytochemistry, Radioimmunoassay, and Vasomotor Effects. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 45-57.	4.6	136
49	Effect of Stimulation of the Sphenopalatine Ganglion on Cortical Blood Flow in the Rat. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 875-878.	4.6	134
50	Neuropeptide Y-like immunoreactivity in perivascular nerve fibres of the guinea-pig. Regulatory Peptides, 1985, 10, 243-257.	1.8	133
51	Calcitonin Gene-Related Peptide is Released from Capsaicin-Sensitive Nerve Fibres and Induces Vasodilatation of Human Cerebral Arteries Concomitant with Activation of Adenylyl Cyclase. Cephalalgia, 1996, 16, 310-316.	4.2	133
52	Pituitary adenylate cyclase activating polypeptide and migraine. Annals of Clinical and Translational Neurology, 2014, 1, 1036-1040.	3.7	131
53	Cerebral Ischemia Upregulates Vascular Endothelin ET _B Receptors in Rat. Stroke, 2002, 33, 2311-2316.	5.3	128
54	Neuropeptide Y is a potent inhibitor of cyclic AMP accumulation in feline cerebral blood vessels. Acta Physiologica Scandinavica, 1985, 124, 467-469.	2.1	125

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55	Cerebral ischemia induces micro vascular pro-inflammatory cytokine expression via the MEK/ERK pathway. Journal of Neuroinflammation, 2010, 7, 14.	7.4	125
56	Basic mechanisms of migraine and its acute treatment. , 2012, 136, 319-333.		122
57	Immunohistochemical Localization of Calcitonin Receptorâ€“Like Receptor and Receptor Activityâ€“Modifying Proteins in the Human Cerebral Vasculature. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 620-629.	4.6	121
58	Neuronal messengers in the human cerebral circulation. Peptides, 2001, 22, 995-1007.	2.4	118
59	PACAP, a VIP-like Peptide: Immunohistochemical Localization and Effect upon Cat Pial Arteries and Cerebral Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 291-297.	4.6	116
60	Possible Antimigraine Mechanisms of Action of the 5HT1F Receptor Agonist LY334370. Cephalalgia, 1999, 19, 851-858.	4.2	111
61	Blockade of CGRP Receptors in the Intracranial Vasculature: A New Target in the Treatment of Headache. Cephalalgia, 2004, 24, 611-622.	4.2	110
62	Characterization of the contractile effect of neuropeptide Y in feline cerebral arteries. Acta Physiologica Scandinavica, 1985, 125, 33-41.	2.1	107
63	Calcitonin gene-related peptide and nitric oxide in the trigeminal ganglion: Cerebral vasodilatation from trigeminal nerve stimulation involves mainly calcitonin gene-related peptide. Journal of the Autonomic Nervous System, 1998, 70, 15-22.	2.0	107
64	Role of CGRP in Migraine. Handbook of Experimental Pharmacology, 2019, 255, 121-130.	0.0	106
65	Effect of the CGRP receptor antagonist BIBN4096BS in human cerebral, coronary and omental arteries and in SK-N-MC cells. European Journal of Pharmacology, 2002, 434, 49-53.	3.6	104
66	Cerebral Ischemia Enhances Vascular Angiotensin AT ₁ Receptorâ€“Mediated Contraction in Rats. Stroke, 2004, 35, 970-974.	5.3	104
67	Substance P: Localization, concentration and release in cerebral arteries, choroid plexus and dura mater. Cell and Tissue Research, 1983, 234, 1-7.	3.0	103
68	Neuronal messengers and peptide receptors in the human sphenopalatine and otic ganglia. Brain Research, 1999, 826, 193-199.	2.3	103
69	Neuronal pathways to the rat middle meningeal artery revealed by retrograde tracing and immunocytochemistry. Journal of the Autonomic Nervous System, 1989, 26, 69-75.	2.0	102
70	Neuropeptide Expression in the Human Trigeminal Nucleus Caudalis and in the Cervical Spinal Cord C1 and C2. Cephalalgia, 2002, 22, 112-116.	4.2	102
71	New drugs in migraine treatment and prophylaxis: telcagepant and topiramate. Lancet, The, 2010, 376, 645-655.	12.1	102
72	VIP nerve fibres around peripheral blood vessels. Acta Physiologica Scandinavica, 1981, 112, 65-70.	2.1	101

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73	Distribution and effects of neuropeptide Y, vasoactive intestinal peptide, substance P, and calcitonin gene-related peptide in human middle meningeal arteries: Comparison with cerebral and temporal arteries. Peptides, 1992, 13, 527-536.	2.4	101
74	Neuropeptide Localization in the â€˜Migraine Generatorâ€™ Region of the Human Brainstem. Cephalalgia, 2001, 21, 96-101.	4.2	101
75	Origin and co-localization of nitric oxide synthase, CGRP, PACAP, and VIP in the cerebral circulation of the rat. Microscopy Research and Technique, 2001, 53, 221-228.	2.3	101
76	Neuropeptides in the Cerebral Circulation: Relevance to Headache. Cephalalgia, 1995, 15, 272-276.	4.2	98
77	Feline cerebral veins and arteries: comparison of autonomic innervation and vasomotor responses. Journal of Physiology, 1982, 325, 161-173.	2.9	97
78	Effects of Topical Application of a Calcium Antagonist (Nifedipine) on Feline Cortical Pial Microvasculature under Normal Conditions and in Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1983, 3, 44-50.	4.6	97
79	Subarachnoid Hemorrhage Enhances Endothelin Receptor Expression and Function in Rat Cerebral Arteries. Neurosurgery, 2003, 52, 1188-1195.	1.3	93
80	Adenosine A1 receptor agonists inhibit trigeminovascular nociceptive transmission. Brain, 2002, 125, 1392-1401.	8.0	92
81	Neurokinin A in cerebral vessels: characterization, localization and effects in vitro. Regulatory Peptides, 1988, 20, 181-197.	1.8	90
82	Localization and effects of neuropeptide Y, vasoactive intestinal polypeptide, substance P, and calcitonin gene-related peptide in human temporal arteries. Annals of Neurology, 1986, 20, 496-501.	5.8	89
83	Recognizing the role of CGRP and CGRP receptors in migraine and its treatment. Cephalalgia, 2019, 39, 366-373.	4.2	88
84	The role of tumor necrosis factor-Î± and TNF-Î± receptors in cerebral arteries following cerebral ischemia in rat. Journal of Neuroinflammation, 2011, 8, 107.	7.4	86
85	PACAP and its role in primary headaches. Journal of Headache and Pain, 2018, 19, 21.	6.2	86
86	Cerebral vasodilatation in the cat involves nitric oxide from parasympathetic nerves. Brain Research, 1996, 707, 110-118.	2.3	85
87	Neuropeptides in headache. European Journal of Neurology, 1998, 5, 329-341.	3.6	84
88	Possible sites of action of the new calcitonin gene-related peptide receptor antagonists. Therapeutic Advances in Neurological Disorders, 2010, 3, 369-378.	3.8	84
89	Release of PACAP-38 in episodic cluster headache patients â€“ an exploratory study. Journal of Headache and Pain, 2016, 17, 69.	6.2	84
90	Capsaicin receptor immunoreactivity in the human trigeminal ganglion. Neuroscience Letters, 2002, 330, 223-226.	2.1	81

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91	Subarachnoid Hemorrhage Enhances Endothelin Receptor Expression and Function in Rat Cerebral Arteries. Neurosurgery, 2003, 52, 1188-1195.	1.3	81
92	CGRP Receptor Antagonism and Migraine. Neurotherapeutics, 2010, 7, 164-175.	4.7	81
93	Adrenergic, Cholinergic and Peptidergic Nerve Fibres in Dura Mater Involvement in Headache?. Cephalalgia, 1981, 1, 175-179.	4.2	80
94	Distribution of mRNA for VIP and PACAP receptors in human cerebral arteries and cranial ganglia. NeuroReport, 2002, 13, 507-509.	1.2	80
95	Effects of Bradykinin on Pial Arteries and Arterioles in vitro and in situ. Journal of Cerebral Blood Flow and Metabolism, 1983, 3, 231-237.	4.6	79
96	Neuropeptide Y antagonistic properties of D-myo-inositol-1.2.6-trisphosphate in guinea pig basilar arteries. Neuropeptides, 1990, 17, 99-105.	2.2	79
97	Sumatriptan Reverses the Changes in Calcitonin Gene-Related Peptide Seen in the Headache Phase of Migraine. Cephalalgia, 1991, 11, 3-4.	4.2	79
98	Pathophysiological Mechanisms in Migraine and the Identification of New Therapeutic Targets. CNS Drugs, 2019, 33, 525-537.	6.2	79
99	Distribution of CGRP and CGRP receptor components in the rat brain. Cephalalgia, 2019, 39, 342-353.	4.2	79
100	Tracing neural connections to pain pathways with relevance to primary headaches. Cephalalgia, 2011, 31, 737-747.	4.2	78
101	C-fibers may modulate adjacent AÎ´-fibers through axon-axon CGRP signaling at nodes of Ranvier in the trigeminal system. Journal of Headache and Pain, 2019, 20, 105.	6.2	78
102	Calcitonin gene-related peptide-LI in subarachnoid haemorrhage in man. Signs of activation of the trigemino-cerebrovascular system?. British Journal of Neurosurgery, 1990, 4, 171-179.	0.9	77
103	The Blood-Brain Barrier in Migraine Treatment. Cephalalgia, 2008, 28, 1245-1258.	4.2	77
104	Concentration of Noradrenaline in Pial Vessels, Choroid Plexus, and Iris during Two Weeks after Sympathetic Ganglionectomy or Decentralization. Acta Physiologica Scandinavica, 1972, 85, 201-206.	2.1	76
105	Tachykinins (Substance P, Neurokinin A, Neuropeptide K, and Neurokinin B) in the Cerebral Circulation: Vasomotor Responses in vitro and in situ. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 567-575.	4.6	76
106	Alterations in perivascular dilatory neuropeptides (CGRP, SP, VIP) in the external jugular vein and in the cerebrospinal fluid following subarachnoid haemorrhage in man. Acta Neurochirurgica, 1995, 132, 32-41.	1.7	75
107	Cerebellar distribution of calcitonin gene-related peptide (CGRP) and its receptor components calcitonin receptor-like receptor (CLR) and receptor activity modifying protein 1 (RAMP1) in rat. Molecular and Cellular Neurosciences, 2011, 46, 333-339.	2.2	74
108	Central projections of sensory innervation of the rat superior sagittal sinus. Neuroscience, 2004, 129, 431-437.	2.4	72

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109	Effect of the calcitonin gene-related peptide (CGRP) receptor antagonist telcagepant in human cranial arteries. Cephalalgia, 2010, 30, 1233-1240.	4.2	72
110	The CGRP Pathway in Migraine as a Viable Target for Therapies. Headache, 2018, 58, 33-47.	3.6	72
111	Innervation of the human middle meningeal artery: immunohistochemistry, ultrastructure, and role of endothelium for vasomotility. Peptides, 1998, 19, 1213-1225.	2.4	71
112	Presence of Contractile Endothelin-A and Dilatory Endothelin-B Receptors in Human Cerebral Arteries. Neurosurgery, 1997, 40, 346-353.	1.3	71
113	Involvement of Perivascular Sensory Fibers in the Pathophysiology of Cerebral Vasospasm following Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 602-607.	4.6	70
114	Distribution of vasoactive intestinal peptide, pituitary adenylate cyclase-activating peptide, nitric oxide synthase, and their receptors in human and rat sphenopalatine ganglion. Neuroscience, 2012, 202, 158-168.	2.4	70
115	Pharmacological characterization of postjunctional Î±â€adrenoceptors in isolated feline cerebral and peripheral arteries. Acta Physiologica Scandinavica, 1983, 117, 63-73.	2.1	67
116	Acetylcholine and Vasoactive Intestinal Peptide in Cerebral Blood Vessels: Effect of Extirpation of the Sphenopalatine Ganglion. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 204-211.	4.6	67
117	Gene expression profiling in the human middle cerebral artery after cerebral ischemia. European Journal of Neurology, 2006, 13, 1324-1332.	3.6	67
118	CGRP receptor antagonist MK-8825 attenuates cortical spreading depression induced pain behavior. Cephalalgia, 2019, 39, 354-365.	4.2	67
119	Calcitonin gene-related peptide (human Î±-CGRP) counteracts vasoconstriction in human subarachnoid haemorrhage. Neuroscience Letters, 1994, 170, 67-70.	2.1	66
120	Characterization of the Calcitonin Gene-Related Peptide Receptor Antagonist Telcagepant (MK-0974) in Human Isolated Coronary Arteries. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 746-752.	2.4	66
121	Sumatriptan is a Potent Vasoconstrictor of Human Dural Arteries Via a 5-HT1-Like Receptor. Cephalalgia, 1992, 12, 202-205.	4.2	65
122	Characterisation of the effects of a non-peptide CGRP receptor antagonist in SK-N-MC cells and isolated human cerebral arteries. European Journal of Pharmacology, 2001, 415, 39-44.	3.6	65
123	Adrenergic innervation of the mammalian choroid plexus. American Journal of Anatomy, 1974, 139, 299-307.	0.9	64
124	Calcitonin Gene???Related Peptide (CGRP) and the Pathophysiology of Headache. CNS Drugs, 2001, 15, 745-753.	6.2	64
125	Central projections of the sensory innervation of the rat middle meningeal artery. Brain Research, 2008, 1208, 103-110.	2.3	63
126	Brainstem and Thalamic Projections from a Craniovascular Sensory Nervous Centre in the Rostral Cervical Spinal Dorsal Horn of Rats. Cephalalgia, 2009, 29, 935-948.	4.2	63

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127	Enhanced expressions of microvascular smooth muscle receptors after focal cerebral ischemia occur via the MAPK MEK/ERK pathway. BMC Neuroscience, 2008, 9, 85.	1.8	62
128	Regulation of enhanced cerebrovascular expression of proinflammatory mediators in experimental subarachnoid hemorrhage via the mitogen-activated protein kinase kinase/extracellular signal-regulated kinase pathway. Journal of Neuroinflammation, 2012, 9, 274.	7.4	62
129	Localization of CGRP receptor components and receptor binding sites in rhesus monkey brainstem: A detailed study using in situ hybridization, immunofluorescence, and autoradiography. Journal of Comparative Neurology, 2016, 524, 90-118.	2.0	62
130	Estrogen receptors Î±, Î² and GPER in the CNS and trigeminal system - molecular and functional aspects. Journal of Headache and Pain, 2020, 21, 131.	6.2	62
131	An Immunocytochemical Investigation of Human Trigeminal Nucleus Caudalis: Cgrp, Substance P and 5-Ht1D-Receptor Immunoreactivities Are Expressed by Trigeminal Sensory Fibres. Cephalalgia, 2002, 22, 424-431.	4.2	61
132	Intracellular Pathways Involved in Upregulation of Vascular Endothelin Type B Receptors in Cerebral Arteries of the Rat. Stroke, 2003, 34, 1479-1483.	5.3	61
133	Treatment of migraine attacks based on the interaction with the trigemino-cerebrovascular system. Journal of Headache and Pain, 2008, 9, 5-12.	6.2	61
134	Immunohistochemical localization of the calcitonin gene-related peptide binding site in the primate trigeminovascular system using functional antagonist antibodies. Neuroscience, 2016, 328, 165-183.	2.4	61
135	PACAP38 and PAC1 receptor blockade: a new target for headache?. Journal of Headache and Pain, 2018, 19, 64.	6.2	61
136	Hormonal influences in migraine â€" interactions of oestrogen, oxytocin and CGRP. Nature Reviews Neurology, 2021, 17, 621-633.	10.0	61
137	Reduced levels of calcitonin gene-related peptide-like immunoreactivity in human brain vessels after subarachnoid haemorrhage. Neuroscience Letters, 1991, 121, 151-154.	2.1	60
138	Triptan-induced contractile (5-HT1B receptor) responses in human cerebral and coronary arteries: relationship to clinical effect. Clinical Science, 2005, 109, 335-342.	4.3	60
139	Cerebrovascular ET_B, 5-HT_{1B}, and AT₁ receptor upregulation correlates with reduction in regional CBF after subarachnoid hemorrhage. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3750-H3758.	3.4	60
140	Subtype Activation and Interaction of Protein Kinase C and Mitogen-Activated Protein Kinase Controlling Receptor Expression in Cerebral Arteries and Microvessels After Subarachnoid Hemorrhage. Stroke, 2008, 39, 185-190.	5.3	60
141	Calcitonin gene-related peptide and its receptor components in the human sphenopalatine ganglion â€" Interaction with the sensory system. Brain Research, 2012, 1435, 29-39.	2.3	60
142	Mechanisms of Action of Endothelin on Isolated Feline Cerebral Arteries: In vitro Pharmacology and Electrophysiology. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 743-747.	4.6	59
143	In-depth characterization of CGRP receptors in human intracranial arteries. European Journal of Pharmacology, 2003, 481, 207-216.	3.6	59
144	Expression of the CGRP Family of Neuropeptides and their Receptors in the Trigeminal Ganglion. Journal of Molecular Neuroscience, 2020, 70, 930-944.	2.4	59

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145	Demonstration of Neuropeptide Containing Nerves and Vasomotor Responses to Perivascular Peptides in Human Cerebral Arteries. Cephalalgia, 1994, 14, 88-96.	4.2	58
146	Nociceptin immunoreactivity and receptor mRNA in the human trigeminal ganglion. Brain Research, 2003, 964, 179-186.	2.3	58
147	Expression of calcitonin gene-related peptide1 receptor mRNA in human trigeminal ganglia and cerebral arteries. Neuroscience Letters, 1997, 229, 209-211.	2.1	57
148	Blockade of calcitonin gene-related peptide release after superior sagittal sinus stimulation in cat: a comparison of avitriptan and CP122,288. Neuropeptides, 1999, 33, 41-46.	2.2	56
149	Enhanced cerebrovascular expression of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 via the MEK/ERK pathway during cerebral ischemia in the rat. BMC Neuroscience, 2009, 10, 56.	1.8	55
150	NOS neurones lie near branchings of cortical arteriolae. NeuroReport, 1993, 4, 112.	1.2	54
151	Smoking and Endothelial Dysfunction. Current Vascular Pharmacology, 2019, 18, 1-11.	1.5	54
152	Cerebrovascular Smooth Muscle Reactivity: A Critical Appraisal of in vitro and in situ Techniques. Journal of Cerebral Blood Flow and Metabolism, 1984, 4, 129-139.	4.6	53
153	Blockade of the MEK/ERK Pathway with a Raf Inhibitor Prevents Activation of Pro-Inflammatory Mediators in Cerebral Arteries and Reduction in Cerebral Blood Flow after Subarachnoid Hemorrhage in a Rat Model. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 144-154.	4.6	53
154	Dural administration of inflammatory soup or Complete Freundâ€™s Adjuvant induces activation and inflammatory response in the rat trigeminal ganglion. Journal of Headache and Pain, 2015, 16, 564.	6.2	53
155	Regional variation in appearance of vascular contractile endothelin-B receptors following organ culture. Cardiovascular Research, 1998, 37, 254-262.	3.7	52
156	New therapeutic target in primary headaches â€“ blocking the CGRP receptor. Expert Opinion on Therapeutic Targets, 2003, 7, 377-383.	3.5	52
157	Lipid-Soluble Smoke Particles Upregulate Vascular Smooth Muscle ETB Receptors via Activation of Mitogen-Activating Protein Kinases and NF-kappaB Pathways. Toxicological Sciences, 2008, 106, 546-555.	3.1	52
158	Experimental inflammation following dural application of complete Freundâ€™s adjuvant or inflammatory soup does not alter brain and trigeminal microvascular passage. Journal of Headache and Pain, 2015, 16, 91.	6.2	52
159	Peripheral Sensory Neurons Expressing Melanopsin Respond to Light. Frontiers in Neural Circuits, 2016, 10, 60.	3.0	52
160	Amylin: Localization, Effects on Cerebral Arteries and on Local Cerebral Blood Flow in the Cat. Scientific World Journal, The, 2001, 1, 168-180.	2.2	51
161	Neuropeptide Yâ€"Mediated Constriction and Dilation in Rat Middle Cerebral Arteries. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 77-84.	4.6	51
162	Neuronal versus endothelial origin of vasoactive acetylcholine in pial vessels. Brain Research, 1987, 420, 391-396.	2.3	50

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163	Positive inotropy mediated via CGRP receptors in isolated human myocardial trabeculae. European Journal of Pharmacology, 2000, 397, 373-382.	3.6	50
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