Peter R Thorne

List of Publications by Year
in descending order

119 papers	4,561 citations	87888 38 h-index	118850 62 g-index
123 all docs	123 docs citations	123 times ranked	2822 citing authors

#	Article	IF	Citations
1	Distribution of the P2X2 receptor subunit of the ATP-gated ion channels in the rat central nervous system. Journal of Comparative Neurology, 1999, 407, 11-32.	1.6	253
2	Expression of the P2X₂Receptor Subunit of the ATP-Gated Ion Channel in the Cochlea: Implications for Sound Transduction and Auditory Neurotransmission. Journal of Neuroscience, 1999, 19, 8377-8388.	3.6	164
3	Electrophysiological and speech perception measures of auditory processing in experienced adult cochlear implant users. Clinical Neurophysiology, 2005, 116, 1235-1246.	1.5	145
4	Laser doppler measurements of cochlear blood flow during loud sound exposure in the guinea pig. Hearing Research, 1987, 27, 1-10.	2.0	144
5	The use of intravenous lignocaine in the diagnosis and treatment of tinnitus. Journal of Laryngology and Otology, 1978, 92, 115-121.	0.8	125
6	Mutation of the ATP-gated P2X ₂ receptor leads to progressive hearing loss and increased susceptibility to noise. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2228-2233.	7.1	119
7	Disparities in the pace of biological aging among midlife adults of the same chronological age have implications for future frailty risk and policy. Nature Aging, 2021, 1, 295-308.	11.6	118
8	Characterisation of cochlear inflammation in mice following acute and chronic noise exposure. Histochemistry and Cell Biology, 2016, 146, 219-230.	1.7	116
9	Spatiotemporal definition of neurite outgrowth, refinement and retraction in the developing mouse cochlea. Development (Cambridge), 2007, 134, 2925-2933.	2.5	115
10	ATP-gated ion channels mediate adaptation to elevated sound levels. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7494-7499.	7.1	100
11	Vesicular Storage of Adenosine Triphosphate in the Guinea-pig Cochlear Lateral Wall and Concentrations of ATP in the Endolymph during Sound Exposure and Hypoxia. Acta Oto-Laryngologica, 2001, 121, 10-15.	0.9	93
12	Quinacrine staining of marginal cells in the stria vascularis of the guinea-pig cochlea: a possible source of extracellular ATP?. Hearing Research, 1995, 90, 97-105.	2.0	90
13	Effects of carbon monoxide on cochlear electrophysiology and blood flow. Hearing Research, 1987, 27, 37-45.	2.0	88
14	Fluorescence imaging of extracellular purinergic receptor sites and putative ecto-ATPase sites on isolated cochlear hair cells. Journal of Neuroscience, 1994, 14, 6992-7007.	3.6	85
15	The nature and progression of injury in the organ of Corti during ischemia. Hearing Research, 1989, 41, 189-197.	2.0	81
16	Extracellular adenosine 5â€²-triphosphate (ATP) in the endolymphatic compartment influences cochlear function. Hearing Research, 1995, 90, 106-118.	2.0	81
17	Synaptic profiles during neurite extension, refinement and retraction in the developing cochlea. Neural Development, 2012, 7, 38.	2.4	79
18	Adenosine 5â€²-triphosphate (ATP) concentrations in the endolymph and perilymph of the guinea-pig cochlea. Hearing Research, 1995, 90, 119-125.	2.0	70

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19	Purinergic Regulation of Sound Transduction and Auditory Neurotransmission. Audiology and Neuro-Otology, 2002, 7, 55-61.	1.3	70
20	Differences in the distribution of F-actin in outer hair cells along the organ of Corti. Hearing Research, 1987, 30, 253-265.	2.0	66
21	Noise induces up-regulation of P2X2 receptor subunit of ATP-gated ion channels in the rat cochlea. NeuroReport, 2003, 14, 817-823.	1.2	64
22	Immunohistochemical localization of adenosine 5`-triphosphate-gated ion channel P2X2 receptor subunits in adult and developing rat cochlea. , 2000, 421, 289-301.		62
23	Purinergic Modulation of Cochlear Partition Resistance and Its Effect on the Endocochlear Potential in the Guinea Pig. JARO - Journal of the Association for Research in Otolaryngology, 2004, 5, 58-65.	1.8	61
24	Localization of ATP-gated ion channels in cerebellum using P2x2R subunit-specific antisera. NeuroReport, 1996, 7, 2665-2670.	1.2	60
25	Purinergic signalling in sensory systems. Seminars in Neuroscience, 1996, 8, 233-246.	2.2	60
26	Epidemiology of noise-induced hearing loss in New Zealand. New Zealand Medical Journal, 2008, 121, 33-44.	0.5	59
27	Auditory Evoked Potentials as Measures of Plasticity in Humans. Audiology and Neuro-Otology, 2001, 6, 211-215.	1.3	56
28	Noise exposure induces up-regulation of ecto-nucleoside triphosphate diphosphohydrolases 1 and 2 in rat cochlea. Neuroscience, 2004, 126, 763-773.	2.3	53
29	P2X receptor signaling inhibits BDNF-mediated spiral ganglion neuron development in the neonatal rat cochlea. Development (Cambridge), 2007, 134, 1407-1417.	2.5	51
30	Expression of the P2X₇ Receptor Subunit of the Adenosine 5â€™-Triphosphate-Gated Ion Channel in the Developing and Adult Rat Cochlea. Audiology and Neuro-Otology, 2003, 8, 28-37.	1.3	50
31	Evidence for alternative splicing of ecto-ATPase associated with termination of purinergic transmission. Molecular Brain Research, 1999, 73, 85-92.	2.3	49
32	Developmental regulation of neuron-specific P2X3 receptor expression in the rat cochlea. Journal of Comparative Neurology, 2005, 484, 133-143.	1.6	47
33	Adenosine and the Auditory System. Current Neuropharmacology, 2009, 7, 246-256.	2.9	46
34	Noise-induced changes in expression levels of NADPH oxidases in the cochlea. Hearing Research, 2013, 304, 145-152.	2.0	46
35	Differential distribution of adenosine receptors in rat cochlea. Cell and Tissue Research, 2007, 328, 461-471.	2.9	44
36	KÃ¶llikerâ€™s Organ and the Development of Spontaneous Activity in the Auditory System: Implications for Hearing Dysfunction. BioMed Research International, 2014, 2014, 1-8.	1.9	44

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37	Fluorescence imaging of Na+ influx via P2X receptors in cochlear hair cells. Hearing Research, 1998, 119, 1-13.	2.0	43
38	Autoradiographic labelling of P2 purinoceptors in the guinea-pig cochlea. Hearing Research, 1995, 84, 177-193.	2.0	41
39	Differential expression of P2Y receptors in the rat cochlea during development. Purinergic Signalling, 2010, 6, 231-248.	2.2	39
40	Hearing protection use in manufacturing workers: A qualitative study. Noise and Health, 2012, 14, 202.	0.5	39
41	The pharmacology and kinetics of ecto-nucleotidases in the perilymphatic compartment of the guinea-pig cochlea. Hearing Research, 1998, 117, 71-80.	2.0	38
42	Post exposure administration of A1 adenosine receptor agonists attenuates noise-induced hearing loss. Hearing Research, 2010, 260, 81-88.	2.0	38
43	Transient expression of P2X1 receptor subunits of ATP-gated ion channels in the developing rat cochlea. Developmental Brain Research, 2001, 126, 173-182.	1.7	37
44	ATP-gated ion channels assembled from P2X2 receptor subunits in the mouse cochlea. NeuroReport, 2002, 13, 1979-1984.	1.2	37
45	Ecto-nucleotidases terminate purinergic signalling in the cochlear endolymphatic compartment. NeuroReport, 1998, 9, 1559-65.	1.2	37
46	Alterations in Oxygenation of Cochlear Endolymph During Loud Sound Exposure. Acta Oto-Laryngologica, 1989, 107, 71-79.	0.9	36
47	Reduced P2x2 receptor-mediated regulation of endocochlear potential in the ageing mouse cochlea. Purinergic Signalling, 2010, 6, 263-272.	2.2	36
48	Apoptosis in the developing rat cochlea and its related structures. Developmental Brain Research, 2000, 119, 75-83.	1.7	35
49	Distribution of ectonucleoside triphosphate diphosphohydrolases 1 and 2 in rat cochlea. Hearing Research, 2002, 170, 127-138.	2.0	35
50	Sound-induced artifact in cochlear blood flow measurements using the laser Doppler flowmeter. Hearing Research, 1987, 31, 229-234.	2.0	34
51	ATP-gated ion channel expression in primary auditory neurones. NeuroReport, 1999, 10, 2579-2586.	1.2	34
52	NTPDase1 and NTPDase2 Immunolocalization in Mouse Cochlea: Implications for Regulation of P2 Receptor Signaling. Journal of Histochemistry and Cytochemistry, 2002, 50, 1435-1441.	2.5	34
53	A Quantitative Study of the Sequence of Topographical Changes in the Organ of Corti Following Acoustic Trauma. Acta Oto-Laryngologica, 1984, 97, 69-81.	0.9	32
54	P2X receptor-mediated changes in cochlear potentials arising from exogenous adenosine 5â€²-triphosphate in endolymph. Hearing Research, 1999, 138, 56-64.	2.0	32

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55	Ensemble spontaneous activity in the guinea-pig cochlear nerve. Hearing Research, 2004, 192, 23-35.	2.0	32
56	Noise-induced up-regulation of NTPDase3 expression in the rat cochlea: Implications for auditory transmission and cochlear protection. Brain Research, 2006, 1104, 55-63.	2.2	32
57	Adenosine amine congener mitigates noise-induced cochlear injury. Purinergic Signalling, 2010, 6, 273-281.	2.2	32
58	Adenosine kinase inhibition in the cochlea delays the onset of age-related hearing loss. Experimental Gerontology, 2011, 46, 905-914.	2.8	32
59	Species differences in the distribution of infracuticular F-actin in outer hair cells of the cochlea. Hearing Research, 1988, 33, 201-205.	2.0	31
60	Modulation of cochlear blood flow by extracellular purines. Hearing Research, 1999, 127, 55-61.	2.0	31
61	The pathogenesis of stereocilia abnormalities in acoustic trauma. Hearing Research, 1986, 21, 41-49.	2.0	30
62	Ectonucleotidase activity in the perilymphatic compartment of the guinea pig cochlea. Hearing Research, 1996, 99, 31-37.	2.0	29
63	C-terminal splicing of NTPDase2 provides distinctive catalytic properties, cellular distribution and enzyme regulation. Biochemical Journal, 2005, 385, 729-736.	3.7	29
64	Markers of cochlear inflammation using MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 150-161.	3.4	28
65	Potential Role of Purinergic Signalling in Cochlear Pathology. Audiology and Neuro-Otology, 2002, 7, 180-184.	1.3	27
66	Adenosine receptors regulate susceptibility to noise-induced neural injury in the mouse cochlea and hearing loss. Hearing Research, 2017, 345, 43-51.	2.0	27
67	How the Worldâ€™s Children Hear: A Narrative Review of School Hearing Screening Programs Globally. OTO Open, 2020, 4, 2473974X20923580.	1.4	26
68	Changing Relationships between Structure and Function in the Cochlea during Recovery from Intense Sound Exposure. Annals of Otology, Rhinology and Laryngology, 1985, 94, 81-86.	1.1	25
69	Provision of hearing care in Pacific Island countries and territories. Bulletin of the World Health Organization, 2019, 97, 719-721.	3.3	21
70	Putative role of border cells in generating spontaneous morphological activity within KÃ¶lliker's organ. Hearing Research, 2015, 330, 90-97.	2.0	19
71	Regulator of G Protein Signalling 4 (RGS4) as a Novel Target for the Treatment of Sensorineural Hearing Loss. International Journal of Molecular Sciences, 2021, 22, 3.	4.1	17
72	Developmentally regulated expression of ectonucleotidases NTPDase5 and NTPDase6 and UDP-responsive P2Y receptors in the rat cochlea. Histochemistry and Cell Biology, 2010, 133, 425-436.	1.7	16

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73	An ecological approach to hearing-health promotion in workplaces. International Journal of Audiology, 2017, 56, 316-327.	1.7	16
74	The Link between Gut Dysbiosis Caused by a High-Fat Diet and Hearing Loss. International Journal of Molecular Sciences, 2021, 22, 13177.	4.1	16
75	Influence of Acquisition Parameters on the Measurement of Click Evoked Otoacoustic Emissions in Neonates in a Hospital Environment. International Journal of Audiology, 1996, 35, 143-157.	1.7	14
76	Adenosine Amine Congener as a Cochlear Rescue Agent. BioMed Research International, 2014, 2014, 1-10.	1.9	14
77	Properties of ATP-gated ion channels assembled from P2X2 subunits in mouse cochlear Reissnerâ€™s membrane epithelial cells. Purinergic Signalling, 2015, 11, 551-560.	2.2	14
78	Purinergic signalling: an experimental perspective. Journal of the Autonomic Nervous System, 2000, 81, 139-145.	1.9	13
79	Distribution of NTPDase5 and NTPDase6 and the regulation of P2Y receptor signalling in the rat cochlea. Purinergic Signalling, 2010, 6, 249-261.	2.2	13
80	Inhibition of the Adenosine A2A Receptor Mitigates Excitotoxic Injury in Organotypic Tissue Cultures of the Rat Cochlea. Cells, 2019, 8, 877.	4.1	13
81	The accuracy of hair cell counts in determining distance and position along the organ of Corti. Journal of the Acoustical Society of America, 1984, 76, 440-442.	1.1	12
82	Purinergic Signaling and Aminoglycoside Ototoxicity: The Opposing Roles of P1 (Adenosine) and P2 (ATP) Receptors on Cochlear Hair Cell Survival. Frontiers in Cellular Neuroscience, 2019, 13, 207.	3.7	12
83	Noise Exposure of Workers and the Use of Hearing Protection Equipment in New Zealand. Archives of Environmental and Occupational Health, 2014, 69, 69-80.	1.4	11
84	Identifying hearing care access barriers among older Pacific Island people in New Zealand: a qualitative study. BMJ Open, 2019, 9, e029007.	1.9	11
85	Is an advanced audiology-led service the solution to the paediatric ENT outpatient waiting list problem?. Speech, Language and Hearing, 2019, 22, 137-141.	1.0	11
86	Molecular Mechanisms of Sensorineural Hearing Loss and Development of Inner Ear Therapeutics. International Journal of Molecular Sciences, 2021, 22, 5647.	4.1	11
87	Cortical auditory evoked potential (CAEP) and behavioural measures of auditory function in a child with a single-sided deafness. Cochlear Implants International, 2017, 18, 335-346.	1.2	10
88	Role of adenosine kinase in cochlear development and response to noise. Journal of Neuroscience Research, 2010, 88, 2598-2609.	2.9	9
89	Expression and distribution of creatine transporter and creatine kinase (brain isoform) in developing and mature rat cochlear tissues. Histochemistry and Cell Biology, 2012, 137, 599-613.	1.7	9
90	Effectiveness and Safety of Advanced Audiology-Led Triage in Pediatric Otolaryngology Services. Ear and Hearing, 2020, 41, 1103-1110.	2.1	9

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91	Behavioural performance and self-report measures in children with unilateral hearing loss due to congenital aural atresia. Auris Nasus Larynx, 2021, 48, 65-74.	1.2	9
92	The inaugural World Report on Hearing: From barriers to a platform for change. Clinical Otolaryngology, 2021, 46, 459-463.	1.2	9
93	Estimated prevalence of hearing loss and provision of hearing services in Pacific Island nations. Journal of Primary Health Care, 2015, 7, 5-15.	0.6	9
94	Nucleoside transporter expression and adenosine uptake in the rat cochlea. NeuroReport, 2007, 18, 235-239.	1.2	8
95	Reduced sensory stimulation alters the molecular make-up of glutamatergic hair cell synapses in the developing cochlea. Neuroscience, 2016, 325, 50-62.	2.3	8
96	Characterization of the Sheep Round Window Membrane. JARO - Journal of the Association for Research in Otolaryngology, 2021, 22, 1-17.	1.8	8
97	Istradefylline Mitigates Age-Related Hearing Loss in C57BL/6J Mice. International Journal of Molecular Sciences, 2021, 22, 8000.	4.1	8
98	Can an advanced audiologyâ€led service reduce waiting times for paediatric ear nose and throat outpatient services?. Journal of Paediatrics and Child Health, 2021, 57, 268-272.	0.8	8
99	Activation-dependent trafficking of NTPDase2 in Chinese hamster ovary cells. International Journal of Biochemistry and Cell Biology, 2007, 39, 810-817.	2.8	7
100	Hair cell specific NTPDase6 immunolocalisation in vestibular end organs: Potential role of purinergic signaling in vestibular sensory transduction. Journal of Vestibular Research: Equilibrium and Orientation, 2012, 22, 213-219.	2.0	6
101	High frequency bone conduction auditory evoked potentials in the guinea pig: Assessing cochlear injury after ossicular chain manipulation. Hearing Research, 2015, 330, 147-154.	2.0	6
102	The Structural Development of the Mouse Dorsal Cochlear Nucleus. JARO - Journal of the Association for Research in Otolaryngology, 2015, 16, 473-486.	1.8	6
103	Impact of Unilateral Hearing Loss on Behavioral and Evoked Potential Measures of Auditory Function in Adults. Journal of the American Academy of Audiology, 2019, 30, 564-578.	0.7	6
104	Development of an otitis media strategy in the Pacific: key informant perspectives. New Zealand Medical Journal, 2018, 131, 69-76.	0.5	6
105	The relationship between obstructive sleep apnea with hearing and balance: A scoping review. Sleep Medicine, 2022, 95, 55-75.	1.6	6
106	Back-Scattered Electron Imaging of Sections Through the Cochlea: A New Technique for Studying Cochlear Morphology. Biotechnic & Histochemistry, 1987, 62, 191-199.	0.4	5
107	Preservation of cochlear function in Cd39 deficient mice. Hearing Research, 2009, 253, 77-82.	2.0	5
108	A High-Fat Diet Induces Low-Grade Cochlear Inflammation in CD-1 Mice. International Journal of Molecular Sciences, 2022, 23, 5179.	4.1	5

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109	Preventing Hearing Loss and Restoring Hearing: A New Outlook. BioMed Research International, 2015, 2015, 1-2.	1.9	4
110	Pharmacokinetic Properties of Adenosine Amine Congener in Cochlear Perilymph after Systemic Administration. BioMed Research International, 2017, 2017, 1-8.	1.9	4
111	Resistance to neomycin ototoxicity in the extreme basal (hook) region of the mouse cochlea. Histochemistry and Cell Biology, 2018, 150, 281-289.	1.7	4
112	Evidence for Ectonucleotidases in the Guinea-Pig Cochlea. , 1997, , 15-19.		2
113	Relationship of distortion product otoacoustic emission components to psychoacoustic measures of noise induced hearing loss. Proceedings of Meetings on Acoustics, 2013, , .	0.3	2
114	Cortical auditory evoked potential (CAEP) and behavioural measures of auditory function in an adult with a single sided deafness: case study. Hearing, Balance and Communication, 2018, 16, 64-72.	0.4	1
115	Parental satisfaction with an advanced audiology-led triage service in paediatric ENT outpatient clinics. International Journal of Audiology, 2022, 61, 159-165.	1.7	1
116	Distribution of the P2X2 receptor subunit of the ATP-gated ion channels in the rat central nervous system. , 1999, 407, 11.		1
117	Ectonucleotidases and Purinoceptors in the Cochlea and Their Putative Role in Hearing. , 1997, , 239-246.		1
118	Cortical auditory function in children with unilateral congenital aural atresia. Speech, Language and Hearing, 0, , 1-9.	1.0	0
119	Noise-Induced Hearing Loss and strategies for its prevention in the New Zealand population: The Kiwi connection. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0