David F Dolan

List of Publications by Year
in descending order

62 papers	3,061 citations	159585 30 h-index	161849 54 g-index
63 all docs	63 docs citations	63 times ranked	2348 citing authors

#	Article	IF	Citations
1	Rapamycin Added to Diet in Late Mid-Life Delays Age-Related Hearing Loss in UMHET4 Mice. Frontiers in Cellular Neuroscience, 2021, 15, 658972.	3.7	11
2	GJB2 gene therapy and conditional deletion reveal developmental stage-dependent effects on inner ear structure and function. Molecular Therapy - Methods and Clinical Development, 2021, 23, 319-333.	4.1	15
3	Effects of Calcitonin-Gene-Related-Peptide on Auditory Nerve Activity. Frontiers in Cell and Developmental Biology, 2021, 9, 752963.	3.7	6
4	Small Arms Fire-like noise: Effects on Hearing Loss, Gap Detection and the Influence of Preventive Treatment. Neuroscience, 2019, 407, 32-40.	2.3	14
5	Grxcr2 is required for stereocilia morphogenesis in the cochlea. PLoS ONE, 2018, 13, e0201713.	2.5	11
6	Generation and Characterization of Î±9 and Î±10 Nicotinic Acetylcholine Receptor Subunit Knockout Mice on a C57BL/6J Background. Frontiers in Neuroscience, 2017, 11, 516.	2.8	13
7	Selective hair cell ablation and noise exposure lead to different patterns of changes in the cochlea and the cochlear nucleus. Neuroscience, 2016, 332, 242-257.	2.3	35
8	Ototoxicity-induced loss of hearing and inner hair cells is attenuated by HSP70 gene transfer. Molecular Therapy - Methods and Clinical Development, 2015, 2, 15019.	4.1	18
9	The 133-kDa N-terminal domain enables myosin 15 to maintain mechanotransducing stereocilia and is essential for hearing. ELife, 2015, 4, .	6.0	67
10	Conditioning the Cochlea to Facilitate Survival and Integration of Exogenous Cells into the Auditory Epithelium. Molecular Therapy, 2014, 22, 873-880.	8.2	32
11	OTO-201. Otology and Neurotology, 2014, 35, 459-469.	1.3	28
12	Disruption of lateral olivocochlear neurons with a dopaminergic neurotoxin depresses spontaneous auditory nerve activity. Neuroscience Letters, 2014, 582, 54-58.	2.1	9
13	Macrophage migration inhibitory factor acts as a neurotrophin in the developing inner ear. Development (Cambridge), 2012, 139, 4666-4674.	2.5	38
14	Induction of Heat Shock Proteins by Hyperthermia and Noise Overstimulation in Hsf1 â"/â" Mice. JARO - Journal of the Association for Research in Otolaryngology, 2012, 13, 29-37.	1.8	31
15	Genetic Background of Prop1 df Mutants Provides Remarkable Protection Against Hypothyroidism-Induced Hearing Impairment. JARO - Journal of the Association for Research in Otolaryngology, 2012, 13, 173-184.	1.8	14
16	Nutrient plasma levels achieved during treatment that reduces noise-induced hearing loss. Translational Research, 2011, 158, 54-70.	5.0	30
17	Mature middle and inner ears express Chd7 and exhibit distinctive pathologies in a mouse model of CHARGE syndrome. Hearing Research, 2011, 282, 184-195.	2.0	36
18	OTO-104. Otology and Neurotology, 2011, 32, 171-179.	1.3	87

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19	A Modifier Gene Alleviates Hypothyroidism-Induced Hearing Impairment in Pou1f1dw Dwarf Mice. Genetics, 2011, 189, 665-673.	2.9	9
20	Deafness and Permanently Reduced Potassium Channel Gene Expression and Function in Hypothyroid<i>Pit1</i>^{dw}Mutants. Journal of Neuroscience, 2009, 29, 1212-1223.	3.6	66
21	Safety of Ciprofloxacin and Dexamethasone in the Guinea Pig Middle Ear. JAMA Otolaryngology, 2009, 135, 575.	1.2	14
22	Math5 expression and function in the central auditory system. Molecular and Cellular Neurosciences, 2008, 37, 153-169.	2.2	61
23	Exploring efferent-mediated DPOAE adaptation in three different guinea pig strains. Hearing Research, 2007, 224, 27-33.	2.0	6
24	The role of bone morphogenetic protein 4 in inner ear development and function. Hearing Research, 2007, 225, 71-79.	2.0	24
25	Dietary thyroid hormone replacement ameliorates hearing deficits in hypothyroid mice. Mammalian Genome, 2007, 18, 596-608.	2.2	35
26	Whirler Mutant Hair Cells Have Less Severe Pathology than Shaker 2 or Double Mutants. JARO - Journal of the Association for Research in Otolaryngology, 2007, 8, 329-337.	1.8	19
27	Transgene correction maintains normal cochlear structure and function in 6-month-old Myo15a mutant mice. Hearing Research, 2006, 214, 37-44.	2.0	20
28	Long-Term Effects of Acoustic Trauma on Electrically Evoked Otoacoustic Emission. JARO - Journal of the Association for Research in Otolaryngology, 2006, 6, 324-340.	1.8	5
29	Inferior colliculus stimulation causes similar efferent effects on ipsilateral and contralateral cochlear potentials in the guinea pig. Brain Research, 2006, 1081, 138-149.	2.2	9
30	Electromotile hearing: Acoustic tones mask psychophysical response to high-frequency electrical stimulation of intact guinea pig cochle. Journal of the Acoustical Society of America, 2006, 120, 3889-3900.	1.1	13
31	Auditory hair cell replacement and hearing improvement by Atoh1 gene therapy in deaf mammals. Nature Medicine, 2005, 11, 271-276.	30.7	672
32	Heat shock factor 1-deficient mice exhibit decreased recovery of hearing following noise overstimulation. Journal of Neuroscience Research, 2005, 81, 589-596.	2.9	56
33	Disruption of Lateral Olivocochlear Neurons via a Dopaminergic Neurotoxin Depresses Sound-Evoked Auditory Nerve Activity. JARO - Journal of the Association for Research in Otolaryngology, 2005, 6, 48-62.	1.8	33
34	Efferent-mediated adaptation of the DPOAE as a predictor of aminoglycoside toxicity. Hearing Research, 2005, 201, 99-108.	2.0	35
35	Chronic excitotoxicity in the guinea pig cochlea induces temporary functional deficits without disrupting otoacoustic emissions. Journal of the Acoustical Society of America, 2004, 116, 1044-1056.	1.1	39
36	Characterization of Two Transgene Insertional Mutations at Pirouette, a Mouse Deafness Locus. Audiology and Neuro-Otology, 2004, 9, 303-314.	1.3	13

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37	Claudin 14 knockout mice, a model for autosomal recessive deafness DFNB29, are deaf due to cochlear hair cell degeneration. Human Molecular Genetics, 2003, 12, 2049-2061.	2.9	327
38	Myo15 function is distinct from Myo6, Myo7a and pirouette genes in development of cochlear stereocilia. Human Molecular Genetics, 2003, 12, 2797-2805.	2.9	27
39	Mutation of the novel gene Tmie results in sensory cell defects in the inner ear of spinner, a mouse model of human hearing loss DFNB6. Human Molecular Genetics, 2002, 11, 1887-1898.	2.9	97
40	Severe vestibular and auditory impairment in three alleles of Ames waltzer (av) mice. Hearing Research, 2001, 151, 237-249.	2.0	46
41	Hair cells in the inner ear of the pirouette and shaker 2 mutant mice. Journal of Neurocytology, 2000, 29, 227-240.	1.5	69
42	The effects of efferent activation on the acoustically and electrically evoked otoacoustic emission. Hearing Research, 2000, 148, 124-136.	2.0	7
43	Morphological and physiological effects of long duration infusion of strychnine into the organ of Corti. Journal of Neurocytology, 1999, 28, 197-206.	1.5	4
44	Acquired resistance to acoustic trauma by sound conditioning is primarily mediated by changes restricted to the cochlea, not by systemic responses. Hearing Research, 1999, 127, 31-40.	2.0	40
45	KHRI-3 monoclonal antibody-induced damage to the inner ear: antibody staining of nascent scars. Hearing Research, 1999, 129, 50-60.	2.0	38
46	The medial cochlear efferent system does not appear to contribute to the development of acquired resistance to acoustic trauma. Hearing Research, 1998, 120, 143-151.	2.0	24
47	Genetic Mapping Refines DFNB3 to 17p11.2, Suggests Multiple Alleles of DFNB3, and Supports Homology to the Mouse Model shaker-2. American Journal of Human Genetics, 1998, 62, 904-915.	6.2	63
48	Frequency-dependent enhancement of basilar membrane velocity during olivocochlear bundle stimulation. Journal of the Acoustical Society of America, 1997, 102, 3587-3596.	1.1	64
49	Chronic strychnine administration into the cochlea potentiates permanent threshold shift following noise exposure. Hearing Research, 1997, 112, 13-20.	2.0	22
50	Basilar membrane velocity noise. Hearing Research, 1997, 114, 35-42.	2.0	18
51	The Mechanism and Site of Action of Lidocaine Hydrochloride in Guinea Pig. Acta Oto-Laryngologica, 1997, 117, 523-528.	0.9	7
52	Steadyâ€state sinusoidal velocity responses of the basilar membrane in guinea pig. Journal of the Acoustical Society of America, 1996, 99, 1556-1565.	1.1	133
53	Monoclonal antibody induced hearing loss. Hearing Research, 1995, 83, 101-113.	2.0	38
54	Basal Turn Hair Cell Activity Dominates the Round Window Recorded Simple Difference Tone (F2-F1). , 1992, , 117-124.		0

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55	Laser Doppler velocimetry of basilar membrane vibration. Hearing Research, 1991, 51, 203-213.	2.0	134
56	Cochlear microphonic enhancement in two tone interactions. Hearing Research, 1991, 51, 235-245.	2.0	10
57	Experimental Model of Immune-Mediated Hearing Loss Using Cross-Species Immunization. Laryngoscope, 1990, 100, 941???947.	2.0	29
58	Inner hair cell responses to the 2f1â€f2 intermodulation distortion product. Journal of the Acoustical Society of America, 1990, 87, 782-790.	1.1	31
59	Asynchronous neural activity recorded from the round window. Journal of the Acoustical Society of America, 1990, 87, 2621-2627.	1.1	77
60	Characterization of an EPSPâ€like potential recorded remotely from the round window. Journal of the Acoustical Society of America, 1989, 86, 2167-2171.	1.1	32
61	Inner hair cell responses to tonal stimulation in the presence of broadband noise. Journal of the Acoustical Society of America, 1989, 86, 1007-1012.	1.1	10
62	Masked cochlear whole-nerve response intensity functions altered by electrical stimulation of the crossed olivocochlear bundle. Journal of the Acoustical Society of America, 1988, 83, 1081-1086.	1.1	90