Larry E Roberts

List of Publications by Year
in descending order

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64 papers	6,669 citations	126907 33 h-index	155660 55 g-index
64 all docs	64 docs citations	64 times ranked	3695 citing authors

#	Article	IF	Citations
1	The neuroscience of tinnitus. Trends in Neurosciences, 2004, 27, 676-682.	8.6	1,015
2	Increased auditory cortical representation in musicians. Nature, 1998, 392, 811-814.	27.8	727
3	Ringing Ears: The Neuroscience of Tinnitus: Figure 1.. Journal of Neuroscience, 2010, 30, 14972-14979.	3.6	508
4	Timbre-specific enhancement of auditory cortical representations in musicians. NeuroReport, 2001, 12, 169-174.	1.2	345
5	Maladaptive plasticity in tinnitus â€" triggers, mechanisms and treatment. Nature Reviews Neurology, 2016, 12, 150-160.	10.1	317
6	Enhancement of Neuroplastic P2 and N1c Auditory Evoked Potentials in Musicians. Journal of Neuroscience, 2003, 23, 5545-5552.	3.6	307
7	A high-precision magnetoencephalographic study of human auditory steady-state responses to amplitude-modulated tones. Journal of the Acoustical Society of America, 2000, 108, 679-691.	1.1	268
8	Plastic changes in the auditory cortex induced by intensive frequency discrimination training. NeuroReport, 2000, 11, 817-822.	1.2	204
9	Residual Inhibition Functions Overlap Tinnitus Spectra and the Region of Auditory Threshold Shift. JARO - Journal of the Association for Research in Otolaryngology, 2008, 9, 417-435.	1.8	185
10	Underlying Mechanisms of Tinnitus: Review and Clinical Implications. Journal of the American Academy of Audiology, 2014, 25, 005-022.	0.7	181
11	Distributed Auditory Cortical Representations Are Modified When Non-musicians Are Trained at Pitch Discrimination with 40 Hz Amplitude Modulated Tones. Cerebral Cortex, 2004, 14, 1088-1099.	2.9	171
12	Modulation of P2 auditory-evoked responses by the spectral complexity of musical sounds. NeuroReport, 2005, 16, 1781-1785.	1.2	164
13	Role of attention in the generation and modulation of tinnitus. Neuroscience and Biobehavioral Reviews, 2013, 37, 1754-1773.	6.1	163
14	Enhancement of auditory cortical development by musical experience in children. NeuroReport, 2004, 15, 1917-1921.	1.2	135
15	Music training leads to the development of timbre-specific gamma band activity. NeuroImage, 2008, 41, 113-122.	4.2	131
16	Auditory-somatosensory bimodal stimulation desynchronizes brain circuitry to reduce tinnitus in guinea pigs and humans. Science Translational Medicine, 2018, 10, .	12.4	123
17	The Neuroscience of Tinnitus: Understanding Abnormal and Normal Auditory Perception. Frontiers in Systems Neuroscience, 2012, 6, 53.	2.5	121
18	Frequency organization of the 40-Hz auditory steady-state response in normal hearing and in tinnitus. NeuroImage, 2006, 33, 180-194.	4.2	118

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19	Residual inhibition functions in relation to tinnitus spectra and auditory threshold shift. Acta Oto-Laryngologica, 2006, 126, 27-33.	0.9	114
20	Re-examining the relationship between audiometric profile and tinnitus pitch. International Journal of Audiology, 2011, 50, 303-312.	1.7	109
21	Tinnitus: animal models and findings in humans. Cell and Tissue Research, 2015, 361, 311-336.	2.9	108
22	Effects of Musical Training on the Auditory Cortex in Children. Annals of the New York Academy of Sciences, 2003, 999, 506-513.	3.8	104
23	Short-term plasticity of the human auditory cortex. Brain Research, 1999, 842, 192-199.	2.2	99
24	Functional Organization of Primary Somatosensory Cortex Depends on the Focus of Attention. NeuroImage, 2002, 17, 1451-1458.	4.2	92
25	Understanding the Benefits of Musical Training. Annals of the New York Academy of Sciences, 2009, 1169, 133-142.	3.8	85
26	Evidence that hidden hearing loss underlies amplitude modulation encoding deficits in individuals with and without tinnitus. Hearing Research, 2017, 344, 170-182.	2.0	79
27	Residual inhibition. Progress in Brain Research, 2007, 166, 487-495.	1.4	56
28	Self-Report During Feedback Regulation of Slow Cortical Potentials. Psychophysiology, 1989, 26, 392-403.	2.4	54
29	Sensitivity of EEG and MEG to the N1 and P2 Auditory Evoked Responses Modulated by Spectral Complexity of Sounds. Brain Topography, 2007, 20, 55-61.	1.8	52
30	Development of Auditory Phase-Locked Activity for Music Sounds. Journal of Neurophysiology, 2010, 103, 218-229.	1.8	44
31	Area-specific self-regulation of slow cortical potentials on the sagittal midline and its effects on behavior. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1992, 84, 353-361.	2.0	42
32	Slow potentials, event-related potentials, ?gamma-band? activity, and motor responses during aversive conditioning in humans. Experimental Brain Research, 1996, 112, 298-312.	1.5	39
33	Modulation of Slow Cortical Potentials by Instrumentally Learned Blood Pressure Responses. Psychophysiology, 1992, 29, 154-164.	2.4	35
34	Evidence for differential modulation of primary and nonprimary auditory cortex by forward masking in tinnitus. Hearing Research, 2015, 327, 9-27.	2.0	33
35	A comparison of the mechanisms and some properties of instructed sudomotor and cardiac control. Biofeedback and Self-regulation, 1978, 3, 105-132.	0.2	29
36	Tinnitus is associated with reduced sound level tolerance in adolescents with normal audiograms and otoacoustic emissions. Scientific Reports, 2016, 6, 27109.	3.3	28

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37	Memory performance and area-specific self-regulation of slow cortical potentials: Dual-task interference. International Journal of Psychophysiology, 1993, 15, 217-226.	1.0	26
38	Enhanced anterior-temporal processing for complex tones in musicians. Clinical Neurophysiology, 2007, 118, 209-220.	1.5	26
39	Evidence of a Role for Response Plans and Self-Monitoring in Biofeedback. Psychophysiology, 1985, 22, 427-439.	2.4	25
40	Neural plasticity expressed in central auditory structures with and without tinnitus. Frontiers in Systems Neuroscience, 2012, 6, 40.	2.5	24
41	Overview: Hearing loss, tinnitus, hyperacusis, and the role of central gain. Neuroscience, 2019, 407, 1-7.	2.3	23
42	Subcortical amplitude modulation encoding deficits suggest evidence of cochlear synaptopathy in normal-hearing 18â€“19 year olds with higher lifetime noise exposure. Journal of the Acoustical Society of America, 2017, 142, EL434-EL440.	1.1	18
43	Modulation of Electrocortical Brain Activity by Attention in Individuals with and without Tinnitus. Neural Plasticity, 2014, 2014, 1-16.	2.2	17
44	Awareness of the response after feedback training for changes in heart rate and sudomotor laterality.. Journal of Experimental Psychology: General, 1984, 113, 225-255.	2.1	16
45	Objective Measurement of Tactile Mislocalization. IEEE Transactions on Biomedical Engineering, 2005, 52, 728-735.	4.2	15
46	The Role of Exteroceptive Feedback in Learned Electrodermal and Cardiac Control: Some Attractions of and Problems with Discrimination Theory. , 1977, , 261-280.		15
47	Sociability, fearfulness, and genetic variation in the mouse.. Journal of Personality and Social Psychology, 1965, 1, 642-645.	2.8	9
48	Envelope following responses, noise exposure, and evidence of cochlear synaptopathy in humans: Correction and comment. Journal of the Acoustical Society of America, 2018, 143, EL487-EL489.	1.1	9
49	Central, peripheral, and artifactual determinants of skin resistance in the mouse.. Journal of Comparative and Physiological Psychology, 1967, 64, 318-328.	1.8	8
50	Relation of Learned Heart Rate Control to Self-Report in Different Task Environments. Psychophysiology, 1988, 25, 354-365.	2.4	8
51	Operant Conditioning of Autonomic Responses: One Perspective on the Curare Experiments. , 1978, , 241-320.		8
52	Auditory Training in Tinnitus. , 2011, , 563-573.		8
53	Does activation of the baroreceptors reinforce differential Pavlovian conditioning of heart rate responses?. Psychophysiology, 1993, 30, 531-536.	2.4	5
54	Total remission or persistence of tinnitus and decreased sound level tolerance in adolescents with normal audiograms: A follow-up study. Progress in Brain Research, 2021, 260, 253-268.	1.4	5

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55	Neural Synchrony and Neural Plasticity in Tinnitus. , 2011, , 103-112.		5
56	Achieving across-laboratory replicability in psychophysical scaling. Frontiers in Psychology, 2015, 6, 903.	2.1	4
57	Effect of aversive stimulation and early handling on skin conductance defecation, and activity in Mus musculus. Learning and Behavior, 1971, 23, 125-127.	0.6	3
58	Evidence for fusion and segregation induced by 21 Hz multiple-digit stimulation in humans. NeuroReport, 2000, 11, 2313-2318.	1.2	3
59	Extended dissociative training of sudomotor response patterns. Biological Psychology, 1990, 30, 99-124.	2.2	2
60	Neuroplastic Adaptations of the Auditory System in Musicians and Nonmusicians. , 2005, , 387-394.		2
61	Evidence for instrumental plasticity in the cardiovascular system is circumstantial. Behavioral and Brain Sciences, 1986, 9, 301-302.	0.7	0
62	Evidence for autonomic-autonomic dissociation: An alternative to Dworkin and Dworkin (1990).. Behavioral Neuroscience, 1991, 105, 767-772.	1.2	0
63	Auditory cortical development charted by transient and 40-Hz steady-state responses in typical children and in Down syndrome. International Congress Series, 2007, 1300, 103-106.	0.2	0
64	The Prevention of Tinnitus and Noise-Induced Hearing Loss. , 2011, , 527-534.		0