

Michael Hautus

List of Publications by Year in descending order

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91
papers

2,174
citations

304743

22
h-index

254184

43
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92
all docs

92
docs citations

92
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrections for extreme proportions and their biasing effects on estimated values of d' . Behavior Research Methods, 1995, 27, 46-51.	1.3	603
2	The restorative potential of soundscapes: A physiological investigation. Applied Acoustics, 2015, 96, 20-26.	3.3	143
3	Age-related improvements in auditory temporal resolution in reading-impaired children. Dyslexia, 2003, 9, 37-45.	1.5	93
4	Elucidating the relationship between noise sensitivity and personality. Noise and Health, 2015, 17, 165.	0.5	67
5	Interpreting the effects of response bias on remember-know judgments using signal detection and threshold models. Memory and Cognition, 2006, 34, 1598-1614.	1.6	56
6	Discriminability of electrocutaneous stimuli after topical anesthesia: Detection-theory measurement of sensitivity to painful stimuli. Perception & Psychophysics, 1994, 55, 125-132.	2.3	54
7	INVESTIGATION OF TEST PERFORMANCE OVER REPEATED SESSIONS USING SIGNAL DETECTION THEORY: COMPARISON OF THREE NONATTRIBUTE-SPECIFIED DIFFERENCE TESTS 2AFC, A NOT A AND 2AFC. Journal of Sensory Studies, 2011, 26, 311-321.		53
8	Object-related brain potentials associated with the perceptual segregation of a dichotically embedded pitch. Journal of the Acoustical Society of America, 2005, 117, 275-280.	1.1	52
9	Toward a complete decision model of item and source recognition. Psychonomic Bulletin and Review, 2008, 15, 889-905.	2.8	50
10	Neural activity associated with binaural processes for the perceptual segregation of pitch. Clinical Neurophysiology, 2003, 114, 2245-2250.	1.5	48
11	Processing of binaural spatial information in human auditory cortex: Neuromagnetic responses to interaural timing and level differences. Neuropsychologia, 2010, 48, 2610-2619.	1.6	47
12	THE MEASUREMENT OF TASTE DISCRIMINATION WITH THE SAME-DIFFERENT TASK: A DETECTION-THEORY ANALYSIS. Journal of Sensory Studies, 1993, 8, 229-239.	1.6	42
13	TWO MODELS FOR ESTIMATING THE DISCRIMINABILITY OF FOODS AND BEVERAGES. Journal of Sensory Studies, 1995, 10, 203-215.	1.6	38
14	Lateralized auditory brain function in children with normal reading ability and in children with dyslexia. Neuropsychologia, 2013, 51, 633-641.	1.6	38
15	Sensory discrimination by consumers of multiple stimuli from a reference: Stimulus configuration in A-Not A and constant-ref. duo-trio superior to triangle and unspecified tetrad?. Food Quality and Preference, 2016, 47, 10-22.	4.6	33
16	Relativity of Judgements about Sound Amplitude and the Asymmetry of the Same-Different ROC. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1994, 47, 1035-1045.	2.3	32
17	USE OF THE RECEIVER OPERATING CHARACTERISTIC IN THE STUDY OF TASTE PERCEPTION. Journal of Sensory Studies, 1992, 7, 291-314.	1.6	31
18	Decision strategies for the A Not-A, 2AFC and 2AFC-reminder tasks: Empirical tests. Food Quality and Preference, 2011, 22, 433-442.	4.6	31

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19	Calculating estimates of sensitivity from group data: Pooled versus averaged estimators. <i>Behavior Research Methods</i> , 1997, 29, 556-562.	1.3	29
20	Electrophysiological approaches to noise sensitivity. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2016, 38, 900-912.	1.3	29
21	THE SIGNAL DETECTION THEORY ROC CURVE: SOME APPLICATIONS IN FOOD SENSORY SCIENCE. <i>Journal of Sensory Studies</i> , 2008, 23, 186-204.	1.6	28
22	Determining odour detection thresholds: Incorporating a method-independent definition into the implementation of ASTM E679. <i>Food Quality and Preference</i> , 2012, 25, 95-104.	4.6	28
23	DECISION STRATEGIES DETERMINED FROM THE SHAPE OF THE SAMEâ€“DIFFERENT ROC CURVE: WHAT ARE THE EFFECTS OF INCORRECT ASSUMPTIONS?. <i>Journal of Sensory Studies</i> , 2008, 23, 743-764.	1.6	22
24	The Negative Affect Hypothesis of Noise Sensitivity. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5284-5303.	2.6	21
25	An area theorem for the same-different experiment. <i>Perception & Psychophysics</i> , 1999, 61, 766-769.	2.3	20
26	Estimating sensitivity and bias in a yes/no task. <i>British Journal of Mathematical and Statistical Psychology</i> , 2006, 59, 257-273.	1.4	20
27	Likelihood-ratio decision strategy for independent observations in the same-different task: An approximation to the detection-theoretic model. <i>Perception & Psychophysics</i> , 1997, 59, 313-316.	2.3	19
28	The dispersions of estimates of sensitivity obtained from four psychophysical procedures: Implications for experimental design. <i>Perception & Psychophysics</i> , 1998, 60, 638-649.	2.3	19
29	Sequential processing of interaural timing differences for sound source segregation and spatial localization: Evidence from event-related cortical potentials. <i>Psychophysiology</i> , 2007, 44, 541-551.	2.4	18
30	Reduced object related negativity response indicates impaired auditory scene analysis in adults with autistic spectrum disorder. <i>PeerJ</i> , 2014, 2, e261.	2.0	18
31	Unequal-strength source zROC slopes reflect criteria placement and not (necessarily) memory processes.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2013, 39, 1377-1392.	0.9	16
32	Cognitive decision strategies adopted by trained judges in reminder difference tests when tasting yoghurt, mayonnaise, and ice tea. <i>Food Quality and Preference</i> , 2014, 34, 14-23.	4.6	16
33	Decision strategies for the two-alternative forced choice reminder paradigm. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 729-737.	1.3	15
34	Cognitive Decision Strategies Adopted in Reminder Tasks by Trained Judges When Discriminating Aqueous Solutions Differing in the Concentration of Citric Acid. <i>Journal of Sensory Studies</i> , 2013, 28, 217-229.	1.6	15
35	Unspecified duoâ€“trio tests can be as powerful as the specified 2-AFC: Effects of instructions and familiarization procedures on cognitive decision strategies. <i>Food Research International</i> , 2016, 79, 114-125.	6.2	15
36	See food diet? Cultural differences in estimating fullness and intake as a function of plate size. <i>Appetite</i> , 2017, 117, 197-202.	3.7	15

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37	Indices of response bias in the same-different experiment. <i>Perception & Psychophysics</i> , 2001, 63, 1091-1100.	2.3	14
38	Decision strategies in the ABX (matching-to-sample) psychophysical task. <i>Perception & Psychophysics</i> , 2002, 64, 89-106.	2.3	14
39	Atypical brain responses to auditory spatial cues in adults with autism spectrum disorder. <i>European Journal of Neuroscience</i> , 2018, 47, 682-689.	2.6	14
40	The single interval adjustment matrix (SIAM) yes/no task: an empirical assessment using auditory and gustatory stimuli. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 1934-1947.	1.3	12
41	Recognition of aspect-dependent three-dimensional objects by an echolocating Atlantic bottlenose dolphin.. <i>Journal of Experimental Psychology</i> , 1996, 22, 19-31.	1.7	11
42	ROC curve analysis to determine effects of repetition on the criteria for same/different and A Not-A tests. <i>Food Quality and Preference</i> , 2011, 22, 66-77.	4.6	11
43	Recognition memory zROC slopes for items with correct versus incorrect source decisions discriminate the dual process and unequal variance signal detection models.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2014, 40, 1205-1225.	0.9	11
44	Is there a generalized sweetness sensitivity for an individual? A psychophysical investigation of inter-individual differences in detectability and discriminability for sucrose and fructose. <i>Physiology and Behavior</i> , 2016, 165, 239-248.	2.1	11
45	Brief Report: Atypical Neuromagnetic Responses to Illusory Auditory Pitch in Children with Autism Spectrum Disorders. <i>Journal of Autism and Developmental Disorders</i> , 2013, 43, 2726-2731.	2.7	10
46	Demonstrating Invariant Encoding of Shapes Using A Matching Judgment Protocol. <i>AIMS Neuroscience</i> , 2017, 4, 120-146.	2.3	9
47	Exploring the autonomic correlates of personality. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 193, 127-131.	2.8	8
48	Effect of basic structural variation, aimed at increasing perceivable textures in model foods, on the perception of textural complexity. <i>Food Quality and Preference</i> , 2021, 91, 104196.	4.6	8
49	Graded cue information in dichotic pitch: effects on event-related potentials. <i>NeuroReport</i> , 2007, 18, 365-368.	1.2	7
50	Event-related potentials for interaural time differences and spectral cues. <i>NeuroReport</i> , 2009, 20, 951-956.	1.2	7
51	THE SINGLE INTERVAL ADJUSTMENT MATRIX (SIAM) YES-NO TASK APPLIED TO THE MEASUREMENT OF SUCROSE THRESHOLDS. <i>Journal of Sensory Studies</i> , 2010, 25, 940-955.	1.6	7
52	Personality and Perceptions of Common Odors. <i>Chemosensory Perception</i> , 2017, 10, 23-30.	1.2	7
53	Amplitude discrimination of sinusoids and narrow-band noise with Rayleigh properties. <i>Perception & Psychophysics</i> , 1992, 52, 53-62.	2.3	6
54	Discriminability in length of lines in the Müller-Lyer figure. <i>Perception & Psychophysics</i> , 1998, 60, 511-517.	2.3	6

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55	Differential cortical processing of location and pitch changes in dichotic pitch. <i>NeuroReport</i> , 2006, 17, 389-393.	1.2	6
56	The measurement problem in level discrimination. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 2158-2167.	1.1	6
57	Cognitive decision strategies adopted by consumers in reminder difference tests: Influence of the authenticity test. <i>Food Research International</i> , 2017, 97, 265-271.	6.2	6
58	The natural mathematics of behavior analysis. <i>Journal of the Experimental Analysis of Behavior</i> , 2018, 109, 451-474.	1.1	6
59	A multivariate assessment of the rapidly changing procedure with McDowell's Evolutionary Theory of Behavior Dynamics. <i>Journal of the Experimental Analysis of Behavior</i> , 2018, 110, 336-365.	1.1	6
60	Visual encoding of partial unknown shape boundaries. <i>AIMS Neuroscience</i> , 2018, 5, 132-147.	2.3	6
61	An assessment of response bias for the same-different task: Implications for the single-interval task. <i>Perception & Psychophysics</i> , 2003, 65, 844-860.	2.3	5
62	Detection-theoretic analysis of same-different judgments for the amplitude discrimination of acoustic sinusoids. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 1305-1313.	1.1	5
63	Evidence of stochastic resonance in an auditory discrimination task may reflect response bias. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1931-1940.	1.3	5
64	Negative masking and the units problem in audition. <i>Hearing Research</i> , 2009, 247, 60-70.	2.0	5
65	Fitting Psychometric Functions Using a Fixed-Slope Parameter: An Advanced Alternative for Estimating Odor Thresholds With Data Generated by ASTM E679. <i>Chemical Senses</i> , 2014, 39, 229-241.	2.0	5
66	Lognormal Lorenz and normal receiver operating characteristic curves as mirror images. <i>Royal Society Open Science</i> , 2015, 2, 140280.	2.4	5
67	Paired Preference Tests: A signal detection based analysis with separate d' values for segmentation. <i>Journal of Sensory Studies</i> , 2016, 31, 481-491.	1.6	5
68	Methods for Fitting Olfactory Psychometric Functions: A Case Study Comparing Psychometric Functions for Individuals with a Sensitive or Insensitive Genotype for β -Ionone. <i>Chemical Senses</i> , 2016, 41, 771-782.	2.0	5
69	Electrophysiological indices of amplitude modulated sounds and sensitivity to noise. <i>International Journal of Psychophysiology</i> , 2019, 139, 59-67.	1.0	5
70	The use of freeze-dried retronasal stimuli to assess olfactory function. <i>Clinical Otolaryngology</i> , 2019, 44, 770-777.	1.2	4
71	Can binaural beats facilitate autonomic recovery following exposure to an acute stressor?. <i>Complementary Therapies in Clinical Practice</i> , 2021, 45, 101485.	1.7	4
72	Human Factors in Operational and Control Decision Making in Aluminium Smelters. , 2011, , 605-609.		4

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73	Evaluating persistence of shape information using a matching protocol. <i>AIMS Neuroscience</i> , 2018, 5, 81-96.	2.3	4
74	Analysis of human work decisions in an aluminium smelter. <i>International Journal of Decision Sciences, Risk and Management</i> , 2010, 2, 46.	0.1	3
75	The Feasibility of Gelatin-Based Retronasal Stimuli to Assess Olfactory Perception. <i>SAGE Open</i> , 2015, 5, 215824401561017.	1.7	3
76	Variation of d' estimates in two versions of the A-Not A task. <i>Journal of Sensory Studies</i> , 2018, 33, e12470.	1.6	3
77	Exploration of a new consumer test method based on metacognitive certainty. <i>Food Quality and Preference</i> , 2020, 81, 103857.	4.6	3
78	“The most relaxing song in the world” A comparative study. <i>Psychology of Music</i> , 2023, 51, 3-15.	1.6	3
79	Converting scanned images for display in human experimental research on IBM or IBM-compatible computers. <i>Behavior Research Methods</i> , 1990, 22, 451-452.	1.3	2
80	Expressions for the area under the chi-square receiver operating characteristic. <i>Journal of the Acoustical Society of America</i> , 1994, 95, 1674-1676.	1.1	2
81	Operational and Control Decision Making in Aluminium Smelters. <i>Advanced Materials Research</i> , 2011, 201-203, 1632-1641.	0.3	2
82	Masking functions and fixed-signal functions for low-level 1000-Hz tones. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 4168-4176.	1.1	2
83	Signal Detection Theory. , 2015, , 946-951.		2
84	Psychometric functions for hybrid difference discrimination/increment detection tasks. <i>Journal of the Acoustical Society of America</i> , 2008, 124, EL302-EL307.	1.1	1
85	Pre-asymptotic response rates as a function of the delay-of-reinforcement gradient summation for Catania’s Operant Reserve: A reply to Berg & McDowell (2011). <i>Behavioural Processes</i> , 2017, 136, 11-19.	1.1	1
86	Performance on the rapidly changing procedure, according to an associative learner. <i>Behavioural Processes</i> , 2018, 157, 372-395.	1.1	1
87	Neuromagnetic responses associated with perceptual segregation of pitch. <i>Neurology, Neurophysiology and Neuroscience</i> , 2004, 2004, 33.	0.0	1
88	How to avoid the “invisible gorilla” in aluminum smelting process control: Visual guidelines. <i>Jom</i> , 2011, 63, 120-126.	1.9	0
89	Defending the God Beyond: The Development of the A God-Scale” a New Instrument for the Assessment of People’s Perceptions, Experiences, and Activities in Relationship to God” and Its Initial Use in a Forgiveness Study. <i>Journal of Spirituality in Mental Health</i> , 2013, 15, 160-185.	1.1	0
90	The potential for retronasally delivered olfactory stimuli to assess psychiatric conditions. <i>Current Psychology</i> , 2021, 40, 2970-2979.	2.8	0

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91	Unravelling the basis of perceived textural complexity: Effect of manipulating multi-component model foods on the perception of textural complexity. , 2022, 1, 100004.		0