

François Vachon

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

1,805
citations

304743

22
h-index

302126

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88
all docs

88
docs citations

88
times ranked

1111
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanisms of far transfer from cognitive training: specifying the role of distraction suppression. <i>Psychological Research</i> , 2023, 87, 425-440.	1.7	1
2	Building a mental toolbox: Relationships between strategy choice and sight-singing performance in higher education. <i>Psychology of Music</i> , 2023, 51, 119-139.	1.6	0
3	Experiential and Cognitive Predictors of Sight-Singing Performance in Music Higher Education. <i>Journal of Research in Music Education</i> , 2022, 70, 206-227.	1.4	2
4	Acoustic, and Categorical, Deviation Effects are Produced by Different Mechanisms: Evidence from Additivity and Habituation. <i>Auditory Perception & Cognition</i> , 2022, 5, 1-24.	1.1	6
5	Resuming a Dynamic Task Following Increasingly Long Interruptions: The Role of Working Memory and Reconstruction. <i>Frontiers in Psychology</i> , 2021, 12, 659451.	2.1	2
6	Signal informativeness for sequence structure modulates human auditory cortical responses. <i>Psychophysiology</i> , 2021, 58, e13745.	2.4	0
7	Distraction by Auditory Categorical Deviations Is Unrelated to Working Memory Capacity: Further Evidence of a Distinction between Acoustic and Categorical Deviation Effects. <i>Auditory Perception & Cognition</i> , 2021, 4, 139-164.	1.1	10
8	How the deployment of visual attention modulates auditory distraction. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 350-362.	1.3	25
9	Assessing the Role of Stimulus Novelty in the Elicitation of the Pupillary Dilation Response to Irrelevant Sound. <i>Auditory Perception & Cognition</i> , 2020, 3, 1-17.	1.1	9
10	Mobile Real-Time Eye-Tracking for Gaze-Aware Security Surveillance Support Systems. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 201-207.	0.6	3
11	The automaticity of semantic processing revisited: Auditory distraction by a categorical deviation.. <i>Journal of Experimental Psychology: General</i> , 2020, 149, 1360-1397.	2.1	24
12	Real-Time Gaze-Aware Cognitive Support System for Security Surveillance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 1145-1149.	0.3	7
13	Impulsivité et distractibilité : les conversations téléphoniques en arrière-plan sont-elles particulièrement distrayantes ? <i>Le Psycause</i> , 2020, 10, 11-13.	0.0	0
14	Safety, stress and work zone complexity: A field study on police officers performing on-foot traffic control. <i>Transportation Research Interdisciplinary Perspectives</i> , 2019, 1, 100018.	2.7	5
15	Is auditory distraction by changing-state and deviant sounds underpinned by the same mechanism? Evidence from pupillometry. <i>Biological Psychology</i> , 2019, 141, 64-74.	2.2	21
16	Forewarning interruptions in dynamic settings: Can prevention bolster recovery?. <i>Journal of Experimental Psychology: Applied</i> , 2019, 25, 674-694.	1.2	11
17	Y A-T-IL UN PILOTE DANS L'AVION?. , 2019, , 111-134.		0
18	Biais cognitifs face aux changements climatiques. <i>Le Psycause</i> , 2019, 9, 7-8.	0.0	0

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19	The Benefits and the Costs of Using Auditory Warning Messages in Dynamic Decision-Making Settings. <i>Journal of Cognitive Engineering and Decision Making</i> , 2018, 12, 112-130.	2.3	7
20	Eyes have ears: Indexing the orienting response to sound using pupillometry. <i>International Journal of Psychophysiology</i> , 2018, 123, 152-162.	1.0	35
21	The Impact of Visual Scan Strategies on Active Surveillance Performance. , 2018, , 283-284.		0
22	Toward an Online Index of the Attentional Response to Auditory Alarms in the Cockpit. , 2018, , 289-290.		0
23	Priority or Parity? Scanning Strategies and Detection Performance of Novice Operators in Urban Surveillance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1113-1117.	0.3	3
24	Predicting Stress among Pedestrian Traffic Workers Using Physiological and Situational Measures. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1262-1266.	0.3	4
25	Can pupillometry index auditory attentional capture in contexts of active visual processing?. <i>Journal of Cognitive Psychology</i> , 2018, 30, 484-502.	0.9	16
26	Multitasking in the military: Cognitive consequences and potential solutions. <i>Applied Cognitive Psychology</i> , 2018, 32, 429-439.	1.6	22
27	Gaze-Aware Cognitive Assistant for Multiscreen Surveillance. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 230-236.	0.6	6
28	Why are background telephone conversations distracting?. <i>Journal of Experimental Psychology: Applied</i> , 2018, 24, 222-235.	1.2	12
29	Postcategorical auditory distraction in short-term memory: Insights from increased task load and task type.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2018, 44, 882-897.	0.9	29
30	Can Hebb™ Be Distracted? Testing the Susceptibility of Sequence Learning to Auditory Distraction. <i>Journal of Cognition</i> , 2018, 2, 4.	1.4	5
31	Increased Distractibility in Schizotypy: Independent of Individual Differences in Working Memory Capacity?. <i>Quarterly Journal of Experimental Psychology</i> , 2017, 70, 565-578.	1.1	23
32	The impact of luminance on tonic and phasic pupillary responses to sustained cognitive load. <i>International Journal of Psychophysiology</i> , 2017, 112, 40-45.	1.0	50
33	Comparing Naval Decision Support Technologies Using Decision Models, Process Tracing and Error Analysis. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1178-1182.	0.3	1
34	See no evil: Cognitive challenges of security surveillance and monitoring.. <i>Journal of Applied Research in Memory and Cognition</i> , 2017, 6, 230-243.	1.1	45
35	Judgment Analysis in a Dynamic Multitask Environment: Capturing Nonlinear Policies Using Decision Trees. <i>Journal of Cognitive Engineering and Decision Making</i> , 2017, 11, 122-135.	2.3	14
36	Chatting in the face of the eyewitness: The impact of extraneous cell-phone conversation on memory for a perpetrator.. <i>Canadian Journal of Experimental Psychology</i> , 2017, 71, 183-190.	0.8	6

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37	Attentional capture by deviant sounds: A noncontingent form of auditory distraction?. Journal of Experimental Psychology: Learning Memory and Cognition, 2017, 43, 622-634.	0.9	51
38	The CSSS Microworld. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 265-269.	0.3	9
39	Effects of a Warning on Interruption Recovery in Dynamic Settings. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1304-1308.	0.3	4
40	Pip and Pop. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 284-288.	0.3	4
41	Supporting dynamic change detection: using the right tool for the task. Cognitive Research: Principles and Implications, 2016, 1, 32.	2.0	11
42	Effective Temporal Awareness Support can Hinder Change Detection. Procedia Manufacturing, 2015, 3, 5293-5300.	1.9	2
43	Pupil Dilation and Eye Movements Can Reveal Upcoming Choice in Dynamic Decision-Making. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 210-214.	0.3	6
44	Capturing Non-linear Judgment Policies Using Decision Tree Models of Classification Behavior. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 831-835.	0.3	2
45	Don't overlook the human! Applying the principles of cognitive systems engineering to the design of intelligent video surveillance systems. , 2015, , .		4
46	Decision support and vulnerability to interruption in a dynamic multitasking environment. International Journal of Human Computer Studies, 2015, 79, 106-117.	5.6	26
47	The perception of concurrent sound objects through the use of harmonic enhancement: a study of auditory attention. Attention, Perception, and Psychophysics, 2015, 77, 922-929.	1.3	2
48	Failure of temporal selectivity: Electrophysiological evidence for (mis)selection of distractors during the attentional blink. Psychophysiology, 2015, 52, 933-941.	2.4	10
49	Atypical Visual Display for Monitoring Multiple CCTV Feeds. , 2015, , .		6
50	Attentional costs and failures in air traffic control notifications. Ergonomics, 2014, 57, 1817-1832.	2.1	48
51	Testing usability and trainability of indirect touch interaction: perspective for the next generation of air traffic control systems. Ergonomics, 2014, 57, 1616-1627.	2.1	3
52	Background Sound Impairs Interruption Recovery in Dynamic Task Situations: Procedural Conflict?. Applied Cognitive Psychology, 2014, 28, 10-21.	1.6	32
53	Brain activity is related to individual differences in the number of items stored in auditory short-term memory for pitch: Evidence from magnetoencephalography. NeuroImage, 2014, 94, 96-106.	4.2	32
54	Failure to Detect Critical Auditory Alerts in the Cockpit. Human Factors, 2014, 56, 631-644.	3.5	171

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55	The LABY Microworld. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1038-1042.	0.3	7
56	Distinct electrophysiological indices of maintenance in auditory and visual short-term memory. Neuropsychologia, 2013, 51, 2939-2952.	1.6	36
57	Evaluation of head-free eye tracking as an input device for air traffic control. Ergonomics, 2013, 56, 246-255.	2.1	24
58	Cognitive control of auditory distraction: Impact of task difficulty, foreknowledge, and working memory capacity supports duplex-mechanism account.. Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 539-553.	0.9	133
59	Broken expectations: Violation of expectancies, not novelty, captures auditory attention.. Journal of Experimental Psychology: Learning Memory and Cognition, 2012, 38, 164-177.	0.9	77
60	On the Automaticity of Semantic Processing during Task Switching. Journal of Cognitive Neuroscience, 2012, 24, 611-626.	2.3	14
61	Support of collaborative work in battlespace management: Shared (loss) of situation awareness. , 2012, , .		0
62	Nonexplicit Change Detection in Complex Dynamic Settings. Human Factors, 2012, 54, 996-1007.	3.5	29
63	Missing Critical Auditory Alarms in Aeronautics: Evidence for Inattentional Deafness?. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1639-1643.	0.3	15
64	Supporting Change Detection in Complex Dynamic Situations: Does the CHEX Serve its Purpose?. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1708-1712.	0.3	4
65	Dealing With Task Interruptions in Complex Dynamic Environments. Human Factors, 2012, 54, 70-83.	3.5	25
66	Time-oriented visualization and anticipation. , 2012, , .		1
67	Cognitive conflict in human-automation interactions: A psychophysiological study. Applied Ergonomics, 2012, 43, 588-595.	3.1	68
68	Supporting situation awareness: A tradeoff between benefits and overhead. , 2011, , .		12
69	Impaired semantic processing during task-set switching: Evidence from the N400 in rapid serial visual presentation. Psychophysiology, 2011, 48, 102-111.	2.4	24
70	Electrophysiological correlates of the maintenance of the representation of pitch objects in acoustic short-term memory. Psychophysiology, 2011, 48, 1500-1509.	2.4	21
71	Exploiting the Auditory Modality in Decision Support: Beneficial "Warning" Effects and Unavoidable Costs. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1402-1406.	0.3	4
72	The perception of concurrent sound objects in harmonic complexes impairs gap detection.. Journal of Experimental Psychology: Human Perception and Performance, 2011, 37, 727-736.	0.9	9

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73	Does Teaming up Make You Less Vulnerable to Task Interruption?. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1605-1609.	0.3	1
74	Capturing and Unmasking the Mask in the Auditory Attentional Blink. Experimental Psychology, 2010, 57, 346-353.	0.7	2
75	A Cognitive and Holistic Approach to Developing Metrics for Decision Support Incommand and Control. Advances in Human Factors and Ergonomics Series, 2010, , 65-75.	0.2	21
76	Load-dependent Brain Activity Related to Acoustic Short-term Memory for Pitch. Annals of the New York Academy of Sciences, 2009, 1169, 273-277.	3.8	19
77	Modality-specific and amodal sources of interference in the attentional blink. Perception & Psychophysics, 2008, 70, 1000-1015.	2.3	17
78	When does between-sequence phonological similarity promote irrelevant sound disruption?. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 243-248.	0.9	21
79	Disruption of short-term memory by changing and deviant sounds: Support for a duplex-mechanism account of auditory distraction.. Journal of Experimental Psychology: Learning Memory and Cognition, 2007, 33, 1050-1061.	0.9	166
80	Task-set reconfiguration suspends perceptual processing: Evidence from semantic priming during the attentional blink.. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 330-347.	0.9	25
81	Delayed Masking and the Auditory Attentional Blink. Experimental Psychology, 2006, 53, 182-190.	0.7	12
82	Auditory Attentional Blink: Masking the Second Target is Necessary, Delayed Masking is Sufficient.. Canadian Journal of Experimental Psychology, 2005, 59, 279-286.	0.8	18
83	Attentional and perceptual sources of the auditory attentional blink. Perception & Psychophysics, 2005, 67, 195-208.	2.3	53
84	Auditory Attentional Capture During Serial Recall: Violations at Encoding of an Algorithm-Based Neural Model?. Journal of Experimental Psychology: Learning Memory and Cognition, 2005, 31, 736-749.	0.9	118