Jordan Navarro

List of Publications by Year
in descending order

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77 papers	1,468 citations	394421 19 h-index	377865 34 g-index
82 all docs	82 docs citations	82 times ranked	955 citing authors

#	Article	IF	Citations
1	Calibration of Trust in Automated Driving: A Matter of Initial Level of Trust and Automated Driving Style?. Human Factors, 2023, 65, 1613-1629.	3.5	6
2	Gaze behaviours engaged while taking over automated driving: a systematic literature review. Theoretical Issues in Ergonomics Science, 2023, 24, 54-87.	1.8	3
3	Did Tools Create Humans?. Theoretical Issues in Ergonomics Science, 2023, 24, 206-232.	1.8	9
4	Detecting driver stress and hazard anticipation using realâ€time cardiac measurement: A simulator study. Brain and Behavior, 2022, 12, e2424.	2.2	10
5	Development of the Smart Tools Proneness Questionnaire (STP-Q): an instrument to assess the individual propensity to use smart tools. Ergonomics, 2022, 65, 1639-1658.	2.1	4
6	Impact of Intrinsic Cognitive Skills and Metacognitive Beliefs on Tool Use Performance. American Journal of Psychology, 2022, 135, 59-68.	0.3	0
7	How the initial level of trust in automated driving impacts driversâ€™ behaviour and early trust construction. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 86, 281-295.	3.7	14
8	The cortical thickness of the area PF of the left inferior parietal cortex mediates technical-reasoning skills. Scientific Reports, 2022, 12, .	3.3	16
9	From manual to automated driving: how does trust evolve?. Theoretical Issues in Ergonomics Science, 2021, 22, 528-554.	1.8	23
10	Usability and acceptance of truck dashboards designed by drivers: Two participatory design approaches compared to a user-centered design. International Journal of Industrial Ergonomics, 2021, 81, 103073.	2.6	9
11	Impact of mindâ€wandering on visual information processing while driving: An electrophysiological study. Applied Cognitive Psychology, 2021, 35, 508-516.	1.6	10
12	Effect of Imperfect Information and Action Automation on Attentional Allocation. International Journal of Human-Computer Interaction, 2021, 37, 1063-1073.	4.8	7
13	Dynamic scan paths investigations under manual and highly automated driving. Scientific Reports, 2021, 11, 3776.	3.3	10
14	Tool acceptance and acceptability: insights from a real tool use activity. Cognitive Processing, 2021, 22, 627-639.	1.4	1
15	Technical reasoning is important for cumulative technological culture. Nature Human Behaviour, 2021, 5, 1643-1651.	12.0	14
16	Impact of Pilot's Expertise on Selection, Use, Trust, and Acceptance of Automation. IEEE Transactions on Human-Machine Systems, 2021, 51, 432-441.	3.5	11
17	The Toolman effect: Preexisting non-tool-use experience improves subsequent tool-use performance. Acta Psychologica, 2021, 220, 103389.	1.5	2
18	OpenMATB: A Multi-Attribute Task Battery promoting task customization, software extensibility and experiment replicability. Behavior Research Methods, 2020, 52, 1980-1990.	4.0	23

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19	Technition: When Tools Come Out of the Closet. Perspectives on Psychological Science, 2020, 15, 880-897.	9.0	30
20	Disembodying (tool-use) action understanding. Neuroscience and Biobehavioral Reviews, 2020, 114, 229-231.	6.1	5
21	The castaway island: Distinct roles of theory of mind and technical reasoning in cumulative technological culture.. Journal of Experimental Psychology: General, 2020, 149, 58-66.	2.1	17
22	Return to Manual Control After Monitoring Automated Systems: Effects of Different Levels of Reliability. Advances in Intelligent Systems and Computing, 2020, , 317-323.	0.6	0
23	The Pedagogue, the Engineer, and the Friend. Human Nature, 2020, 31, 462-482.	1.6	2
24	On the nature of eye-hand coordination in natural steering behavior. PLoS ONE, 2020, 15, e0242818.	2.5	10
25	Are highly automated vehicles as useful as dishwashers?. Cogent Psychology, 2019, 6, .	1.3	10
26	Gauges design for a digital instrument cluster: Efficiency, visual capture, and satisfaction assessment for truck driving. International Journal of Industrial Ergonomics, 2019, 72, 290-297.	2.6	6
27	To Watch is to Work: a Review of NeuroImaging Data on Tool Use Observation Network. Neuropsychology Review, 2019, 29, 484-497.	4.9	39
28	Driving Under the Influence: How Music Listening Affects Driving Behaviors. Journal of Visualized Experiments, 2019, , .	0.3	9
29	Which cognitive tools do we prefer to use, and is that preference rational?. Cognition, 2019, 186, 108-114.	2.2	4
30	Highly Automated Driving Impact on Driversâ€™ Gaze Behaviors during a Car-Following Task. International Journal of Human-Computer Interaction, 2019, 35, 1008-1017.	4.8	22
31	Is Mindfulness Helping the Brain to Drive? Insights From Behavioral Data and Future Directions for Research. , 2019, , 93-97.		3
32	Does False and Missed Lane Departure Warnings Impact Driving Performances Differently?. International Journal of Human-Computer Interaction, 2019, 35, 1292-1302.	4.8	8
33	A state of science on highly automated driving. Theoretical Issues in Ergonomics Science, 2019, 20, 366-396.	1.8	47
34	The effects of information and action automation on the complacency phenomenon. , 2019, , .		0
35	Does the Tempo of Music Impact Human Behavior Behind the Wheel?. Human Factors, 2018, 60, 556-574.	3.5	19
36	Acceptance and acceptability criteria: a literature review. Cognition, Technology and Work, 2018, 20, 165-177.	3.0	70

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37	Haptic modality takes its time: Dynamic of activations of sensory modalities in perceptual and memory processes. International Journal of Psychology, 2018, 53, 237-242.	2.8	1
38	Detection of Mind-Wandering in Driving. , 2018, , 305-306.		0
39	Neuroergonomics of car driving: A critical meta-analysis of neuroimaging data on the human brain behind the wheel. Neuroscience and Biobehavioral Reviews, 2018, 95, 464-479.	6.1	42
40	How Our Cognition Shapes and Is Shaped by Technology: A Common Framework for Understanding Human Tool-Use Interactions in the Past, Present, and Future. Frontiers in Psychology, 2018, 9, 293.	2.1	17
41	Influence of human-machine interactions and task demand on automation selection and use. Ergonomics, 2018, 61, 1601-1612.	2.1	21
42	Do distinct mind wandering differently disrupt drivers? Interpretation of physiological and behavioral pattern with a data triangulation method. Consciousness and Cognition, 2018, 62, 69-81.	1.5	6
43	Tools donâ€™tâ€”and wonâ€™tâ€”make the man: A cognitive look at the future.. Journal of Experimental Psychology: General, 2018, 147, 782-788.	2.1	9
44	Automation and Complacency: Insights from a Planning Task in the Transportation Domain. Communications in Computer and Information Science, 2018, , 437-442.	0.5	0
45	Imitation and matching of meaningless gestures: distinct involvement from motor and visual imagery. Psychological Research, 2017, 81, 525-537.	1.7	8
46	Automotive HMI design and participatory user involvement: review and perspectives. Ergonomics, 2017, 60, 541-552.	2.1	45
47	The more intelligent people are, the more they use tools. Psychologie Francaise, 2017, 62, 85-91.	0.4	3
48	Mechanisms underlying cognitive conspicuity in the detection of cyclists by car drivers. Accident Analysis and Prevention, 2017, 104, 88-95.	5.7	23
49	Involvement of the Left Supramarginal Gyrus in Manipulation Judgment Tasks: Contributions to Theories of Tool Use. Journal of the International Neuropsychological Society, 2017, 23, 685-691.	1.8	13
50	26-3: Invited Paper : Increasing Automotive Safety and Comfort Through Haptics, Auditory and Visual Feedback. Digest of Technical Papers SID International Symposium, 2017, 48, 370-373.	0.3	0
51	Digital, analogue, or redundant speedometers for truck driving: Impact on visual distraction, efficiency and usability. Applied Ergonomics, 2017, 65, 12-22.	3.1	24
52	Humanâ€“machine interaction theories and lane departure warnings. Theoretical Issues in Ergonomics Science, 2017, 18, 519-547.	1.8	28
53	Influence of lane departure warnings onset and reliability on car drivers' behaviors. Applied Ergonomics, 2017, 59, 123-131.	3.1	31
54	Are You Sure You're Faster When Using a Cognitive Tool?. American Journal of Psychology, 2017, 130, 493.	0.3	13

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55	Commentary: Effects of dividing attention on memory for declarative and procedural aspects of tool use. Frontiers in Psychology, 2016, 7, 1488.	2.1	1
56	The Reactivation of Motion Influences Size Categorization in a Visuo-Haptic Illusion. American Journal of Psychology, 2016, 129, 235.	0.3	0
57	Obstacle avoidance under automated steering: Impact on driving and gaze behaviours. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 43, 315-324.	3.7	52
58	On the neurocognitive origins of human tool use : A critical review of neuroimaging data. Neuroscience and Biobehavioral Reviews, 2016, 64, 421-437.	6.1	116
59	The impact of false warnings on partial and full lane departure warnings effectiveness and acceptance in car driving. Ergonomics, 2016, 59, 1553-1564.	2.1	21
60	Physical intelligence does matter to cumulative technological culture.. Journal of Experimental Psychology: General, 2016, 145, 941-948.	2.1	36
61	Nos performances de conduite sont-elles sous lâ€™influence du tempo de la musique que nous Ã©coutonsÂ? Une Ã©tude sur simulateur. Recherche - Transports - Securite, 2016, 2015, 75-85.	0.1	0
62	EfficacitÃ© des alertes signalant un risque de collision par lâ€™arriÃ¨re chez le conducteur distrait. Recherche - Transports - Securite, 2016, 2015, 87-93.	0.1	0
63	When Do We Use Automatic Tools Rather Than Doing a Task Manually? Influence of Automatic Tool Speed. American Journal of Psychology, 2015, 128, 77-88.	0.3	15
64	Parking Manoeuvres Differ among Drivers with Narrower and Wider Field of View in the Presence of a Spatial Reference. Applied Cognitive Psychology, 2015, 29, 309-313.	1.6	4
65	Effects of shrinkage of the visual field through ageing on parking performance: a parametric manipulation of salience and relevance of contextual components. Ergonomics, 2015, 58, 698-711.	2.1	9
66	Parking and manoeuvring among older drivers: A survey investigating special needs and difficulties. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 26, 238-245.	3.7	15
67	User perceptions and evaluations of short vibrotactile feedback. Journal of Cognitive Psychology, 2013, 25, 299-308.	0.9	9
68	To Do It or to Let an Automatic Tool Do It?. Experimental Psychology, 2013, 60, 453-468.	0.7	17
69	Where We Look When We Drive with or without Active Steering Wheel Control. PLoS ONE, 2012, 7, e43858.	2.5	55
70	Effectiveness of traffic light vs. boom barrier controls at roadâ€“rail level crossings: A simulator study. Accident Analysis and Prevention, 2012, 45, 187-194.	5.7	38
71	Music selection using a touch screen interface: effect of auditory and visual feedback on driving and usability. International Journal of Vehicle Design, 2011, 57, 391.	0.3	5
72	Lateral control assistance in car driving: classification, review and future prospects. IET Intelligent Transport Systems, 2011, 5, 207.	3.0	73

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73	Driver behaviour at rail level crossings: Responses to flashing lights, traffic signals and stop signs in simulated rural driving. Applied Ergonomics, 2011, 42, 548-554.	3.1	84
74	Objective and subjective evaluation of motor priming and warning systems applied to lateral control assistance. Accident Analysis and Prevention, 2010, 42, 904-912.	5.7	48
75	Lateral Control Assistance for Car Drivers: A Comparison of Motor Priming and Warning Systems. Human Factors, 2007, 49, 950-960.	3.5	58
76	Perceived versus actual head-on-trunk orientation during arm movement control. Experimental Brain Research, 2006, 172, 221-229.	1.5	9
77	Automation Type and Reliability Impact on Visual Automation Monitoring and Human Performance. International Journal of Human-Computer Interaction, 0, , 1-14.	4.8	5