

# Dietrich Manzey

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

2,137  
citations

279798

23  
h-index

243625

44  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Performance Consequences of Stages and Levels of Automation. <i>Human Factors</i> , 2014, 56, 476-488.	3.5	355
2	Human Performance Consequences of Automated Decision Aids. <i>Journal of Cognitive Engineering and Decision Making</i> , 2012, 6, 57-87.	2.3	177
3	Mental performance during short-term and long-term spaceflight. <i>Brain Research Reviews</i> , 1998, 28, 215-221.	9.0	130
4	Mental performance in extreme environments: results from a performance monitoring study during a 438-day spaceflight. <i>Ergonomics</i> , 1998, 41, 537-559.	2.1	121
5	Humex, a study on the survivability and adaptation of humans to long-duration exploratory missions, part I: Lunar missions. <i>Advances in Space Research</i> , 2003, 31, 2389-2401.	2.6	97
6	Human missions to Mars: new psychological challenges and research issues. <i>Acta Astronautica</i> , 2004, 55, 781-790.	3.2	89
7	Dual-Task Performance in Space: Results from a Single-Case Study during a Short-Term Space Mission. <i>Human Factors</i> , 1995, 37, 667-681.	3.5	84
8	A meta-analysis on the effectiveness of anthropomorphism in human-robot interaction. <i>Science Robotics</i> , 2021, 6, eabj5425.	17.6	81
9	Impairments of manual tracking performance during spaceflight: more converging evidence from a 20-day space mission. <i>Ergonomics</i> , 2000, 43, 589-609.	2.1	66
10	Principal components and varimax-rotated components in event-related potential research: Some remarks on their interpretation. <i>Biological Psychology</i> , 1981, 13, 3-26.	2.2	63
11	Behavioral aspects of human adaptation to space analyses of cognitive and psychomotor performance in space during an 8-day space mission. <i>The Clinical Investigator</i> , 1993, 71, 725-31.	0.6	57
12	Evaluation of a Navigation System for ENT with Surgical Efficiency Criteria. <i>Laryngoscope</i> , 2006, 116, 564-572.	2.0	53
13	Image-guided navigation: the surgeon's perspective on performance consequences and human factors issues. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2009, 5, 297-308.	2.3	52
14	Delineation of Pharmacopsychological Effects by means of Endogenous Event-Related Brain Potentials: an Exemplification with Flupentixol. <i>Neuropsychobiology</i> , 1985, 13, 81-92.	1.9	47
15	Impact of automated decision aids on performance, operator behaviour and workload in a simulated supervisory control task. <i>Ergonomics</i> , 2009, 52, 512-523.	2.1	43
16	Supporting Attention Allocation in Multitask Environments. <i>Human Factors</i> , 2014, 56, 1209-1221.	3.5	43
17	Impairments of manual tracking performance during spaceflight are associated with specific effects of microgravity on visuomotor transformations. <i>Ergonomics</i> , 2003, 46, 920-934.	2.1	40
18	Serial or overlapping processing in multitasking as individual preference: Effects of stimulus preview on task switching and concurrent dual-task performance. <i>Acta Psychologica</i> , 2016, 168, 27-40.	1.5	37

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19	Changed visuomotor transformations during and after prolonged microgravity. <i>Experimental Brain Research</i> , 1999, 129, 378-390.	1.5	36
20	Psychological countermeasures for extended manned spaceflights. <i>Acta Astronautica</i> , 1995, 35, 339-361.	3.2	35
21	Decision-making and response strategies in interaction with alarms: the impact of alarm reliability, availability of alarm validity information and workload. <i>Ergonomics</i> , 2014, 57, 1833-1855.	2.1	32
22	Automation in Surgery. <i>Human Factors</i> , 2011, 53, 584-599.	3.5	31
23	Human Performance Consequences of Automated Decision Aids in States of Sleep Loss. <i>Human Factors</i> , 2011, 53, 717-728.	3.5	24
24	Subjective theories of organizing and learning from events. <i>Safety Science</i> , 2011, 49, 47-54.	4.9	24
25	Cross-cultural issues in space operations: A survey study among ground personnel of the European Space Agency. <i>Acta Astronautica</i> , 2009, 65, 1520-1529.	3.2	22
26	Digging deeper! Insights from a multi-method assessment of safety culture in nuclear power plants based on Schein's culture model. <i>Safety Science</i> , 2017, 95, 38-49.	4.9	22
27	Flexibility of individual multitasking strategies in task-switching with preview: are preferences for serial versus overlapping task processing dependent on between-task conflict?. <i>Psychological Research</i> , 2018, 82, 92-108.	1.7	22
28	The Impact of a Mnemonic Acronym on Learning and Performing a Procedural Task and Its Resilience Toward Interruptions. <i>Frontiers in Psychology</i> , 2019, 10, 2522.	2.1	21
29	Two-crew operations: stress and fatigue during long-haul night flights. <i>Aviation, Space, and Environmental Medicine</i> , 1997, 68, 679-87.	0.5	17
30	Assessing the Influence of Psychosocial and Career Mentoring on Organizational Attractiveness. <i>International Journal of Selection and Assessment</i> , 2008, 16, 403-415.	2.5	16
31	Chapter 9 Performance and Brain Electrical Activity During Prolonged Confinement. <i>Advances in Space Biology and Medicine</i> , 1996, 5, 157-181.	0.5	13
32	Individual preferences for task coordination strategies in multitasking: exploring the link between preferred modes of processing and strategies of response organization. <i>Psychological Research</i> , 2021, 85, 577-591.	1.7	13
33	Less is sometimes more: a comparison of distance-control and navigated-control concepts of image-guided navigation support for surgeons. <i>Ergonomics</i> , 2015, 58, 383-393.	2.1	11
34	Summary of research issues in monitoring of mental and perceptual-motor performance and stress in space. <i>Aviation, Space, and Environmental Medicine</i> , 2000, 71, A76-7.	0.5	11
35	Automation in surgery: a systematic approach. <i>Surgical Technology International</i> , 2009, 18, 37-45.	0.2	10
36	Absence of DOA Effect but No Proper Test of the Lumberjack Effect: A Reply to Jamieson and Skraaning (2019). <i>Human Factors</i> , 2020, 62, 530-534.	3.5	9

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37	Psychological training of German science astronauts. <i>Acta Astronautica</i> , 1992, 27, 147-154.	3.2	8
38	Multitasking strategies make the difference: Separating processing-code resources boosts multitasking efficiency when individuals prefer to interleave tasks in free concurrent dual tasking.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020, 46, 1411-1433.	0.9	8
39	Do We Really Need More Stages? Comparing the Effects of Likelihood Alarm Systems and Binary Alarm Systems. <i>Human Factors</i> , 2020, 62, 540-552.	3.5	7
40	Attitude Indicator Design in Primary Flight Display: Revisiting an Old Issue With Current Technology. <i>International Journal of Aerospace Psychology</i> , 2018, 28, 46-61.	0.9	6
41	Visual search behavior and performance in luggage screening: effects of time pressure, automation aid, and target expectancy. <i>Cognitive Research: Principles and Implications</i> , 2021, 6, 12.	2.0	6
42	Understanding the Impact of Time Pressure and Automation Support in a Visual Search Task. <i>Human Factors</i> , 2024, 66, 770-786.	3.5	6
43	nxControl instead of pitch-and-power. <i>CEAS Aeronautical Journal</i> , 2016, 7, 107-119.	1.7	5
44	How Much Reliability Is Enough? A Context-Specific View on Human Interaction With (Artificial) Agents From Different Perspectives. <i>Journal of Cognitive Engineering and Decision Making</i> , 2022, 16, 207-221.	2.3	5
45	A Flight Simulator Study of an Energy Control System for Manual Flight. <i>IEEE Transactions on Human-Machine Systems</i> , 2019, 49, 672-683.	3.5	4
46	Individual differences fill the uncharted intersections between cognitive structure, flexibility, and plasticity in multitasking.. <i>Psychological Review</i> , 2022, 129, 1486-1494.	3.8	4
47	Implementing Energy Status in Head-Down Cockpit Displays. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 926-930.	0.3	3
48	Flupentixolhydrochloride in Low Dosages: Effects on Perceptual and Psychomotor Performance in Emotionally Stable and Emotionally Labile Healthy Subjects. <i>Neuropsychobiology</i> , 1986, 16, 27-36.	1.9	2
49	Attitude Indicator Format. <i>Aviation Psychology and Applied Human Factors</i> , 2019, 9, 95-105.	0.4	2
50	Effects of complexity and similarity of an interruption task on resilience toward interruptions in a procedural task with sequential constraints.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2022, 48, 159-173.	0.9	2
51	Serial and parallel processing in multitasking: Concepts and the impact of interindividual differences on task and stage levels.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2022, 48, 724-742.	0.9	2
52	Demand Control Law for Total Energy Angle Tested at Manual Approaches. <i>Journal of Guidance, Control, and Dynamics</i> , 2018, 41, 1443-1448.	2.8	1
53	Moving-horizon versus moving-aircraft: Effectiveness of competing attitude indicator formats on recoveries from discrete and continuous attitude changes.. <i>Journal of Experimental Psychology: Applied</i> , 2021, 27, 102-111.	1.2	1
54	Manual Flying and Energy Awareness. <i>Aviation Psychology and Applied Human Factors</i> , 2017, 7, 18-27.	0.4	1

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55	Sequential human redundancy: Can social loafing diminish the safety of double checks?. Journal of Experimental Psychology: Applied, 2022, 28, 931-945.	1.2	1
56	How to reconcile brain and mind?. Psychological Research, 2012, 76, 129-130.	1.7	0