

Kevin Warwick

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

2,283
citations

279701

23
h-index

254106

43
g-index

138
all docs

138
docs citations

138
times ranked

2114
citing authors

#	ARTICLE	IF	CITATIONS
1	Turing Test. , 2022, , 7087-7094.		0
2	What Is It Like to Be a Cyborg?. , 2021, , 400-410.		0
3	Superhuman Enhancements via Implants: Beyond the Human Mind. Philosophies, 2020, 5, 14.	0.4	6
4	Non-Linear Dynamical Analysis of Resting Tremor for Demand-Driven Deep Brain Stimulation. Sensors, 2019, 19, 2507.	2.1	11
5	Complexity Symbiosis of Glia-Neuron Cells and Computational Cybernetics of Hopfield Recurrent Network: Novel Neuron Model. , 2019, , .		0
6	Trust and Decision Making in Turing's Imitation Game. Advances in Computer and Electrical Engineering Book Series, 2019, , 195-210.	0.2	0
7	Neuroengineering and neuroprosthetics. Brain and Neuroscience Advances, 2018, 2, 239821281881749.	1.8	9
8	Subdermal Magnetic Implants: An Experimental Study. Cybernetics and Systems, 2018, 49, 122-150.	1.6	3
9	What Is It Like to Be a Cyborg?. Advances in Computational Intelligence and Robotics Book Series, 2018, , 68-78.	0.4	1
10	Trust and Decision Making in Turing's Imitation Game. , 2018, , 251-264.		0
11	Taking the fifth amendment in Turing's™s imitation game. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 287-297.	1.8	3
12	Machine humour: examples from Turing test experiments. AI and Society, 2017, 32, 553-561.	3.1	6
13	Cyborgs. , 2017, , 705-715.		0
14	Space bodies. , 2017, , 341-382.		0
15	Turing Test. , 2017, , 1-8.		0
16	Effects of lying in practical Turing tests. AI and Society, 2016, 31, 5-15.	3.1	14
17	Homo Technologicus: Threat or Opportunity?. Philosophies, 2016, 1, 199-208.	0.4	10
18	Passing the Turing Test Does Not Mean the End of Humanity. Cognitive Computation, 2016, 8, 409-419.	3.6	21

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19	Creating and Controlling Complex Biological Brains. <i>Studies in Systems, Decision and Control</i> , 2016, , 141-156.	0.8	3
20	The importance of a human viewpoint on computer natural language capabilities: a Turing test perspective. <i>AI and Society</i> , 2016, 31, 207-221.	3.1	11
21	Can machines talk? Comparison of Eliza with modern dialogue systems. <i>Computers in Human Behavior</i> , 2016, 58, 278-295.	5.1	83
22	Can machines think? A report on Turing test experiments at the Royal Society. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2016, 28, 989-1007.	1.8	47
23	Congestion avoidance in city traffic. <i>Journal of Advanced Transportation</i> , 2015, 49, 581-595.	0.9	5
24	Motion Planning of Autonomous Vehicles on a Dual Carriageway without Speed Lanes. <i>Electronics (Switzerland)</i> , 2015, 4, 59-81.	1.8	5
25	Reactive Planning of Autonomous Vehicles for Traffic Scenarios. <i>Electronics (Switzerland)</i> , 2015, 4, 739-762.	1.8	6
26	Human misidentification in Turing tests. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2015, 27, 123-135.	1.8	22
27	Intelligent Transportation System with Diverse Semi-Autonomous Vehicles. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 886.	1.6	17
28	A Fuzzy Inference System for Closed-Loop Deep Brain Stimulation in Parkinson's Disease. <i>Journal of Medical Systems</i> , 2015, 39, 155.	2.2	23
29	Resting tremor classification and detection in Parkinson's disease patients. <i>Biomedical Signal Processing and Control</i> , 2015, 16, 88-97.	3.5	62
30	The Merging of Humans and Machines. <i>Springer Series in Computational Neuroscience</i> , 2015, , 79-89.	0.3	2
31	The Disappearing Human-Machine Divide. <i>Topics in Intelligent Engineering and Informatics</i> , 2015, , 1-10.	0.4	1
32	Computing journey start times with recurrent traffic conditions. <i>IET Intelligent Transport Systems</i> , 2014, 8, 681-687.	1.7	3
33	Assumption of knowledge and the Chinese Room in Turing test interrogation. <i>AI Communications</i> , 2014, 27, 275-283.	0.8	10
34	Dynamic distributed lanes: motion planning for multiple autonomous vehicles. <i>Applied Intelligence</i> , 2014, 41, 260-281.	3.3	6
35	The Cyborg Revolution. <i>NanoEthics</i> , 2014, 8, 263-273.	0.5	29
36	Good Machine Performance in Turing's Imitation Game. <i>IEEE Transactions on Games</i> , 2014, 6, 289-299.	1.7	23

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37	Heuristic based evolution for the coordination of autonomous vehicles in the absence of speed lanes. Applied Soft Computing Journal, 2014, 19, 387-402.	4.1	12
38	A dynamic positioning thrust allocation approach based on a hybrid artificial colony bee algorithm with chaotic search. International Journal of Modelling, Identification and Control, 2014, 22, 236.	0.2	6
39	Creating practical cyborgs. Pragmatics and Cognition, 2014, 22, 159-181.	0.2	1
40	A method to assess individual research outputs. International Journal of Modelling, Identification and Control, 2014, 21, 1.	0.2	1
41	Human Enhancement--The way ahead. Ubiquity, 2014, 2014, 1-8.	0.2	4
42	Outwitted by the Hidden. International Journal of Synthetic Emotions, 2014, 5, 46-59.	0.3	11
43	The Turing Test. International Journal of Synthetic Emotions, 2014, 5, 31-45.	0.3	2
44	Some Implications of a Sample of Practical Turing Tests. Minds and Machines, 2013, 23, 163-177.	2.7	28
45	Multi-Level Planning for Semi-autonomous Vehicles in Traffic Scenarios Based on Separation Maximization. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 559-590.	2.0	58
46	Endogenous cholinergic tone modulates spontaneous network level neuronal activity in primary cortical cultures grown on multi-electrode arrays. BMC Neuroscience, 2013, 14, 38.	0.8	22
47	Planning Autonomous Vehicles in the Absence of Speed Lanes Using an Elastic Strip. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1743-1752.	4.7	21
48	Automated Artifact Removal From the Electroencephalogram. Clinical EEG and Neuroscience, 2013, 44, 291-306.	0.9	55
49	User-Friendly Free-Text Keystroke Dynamics Authentication for Practical Applications. , 2013, , .		10
50	Motion planning of autonomous vehicles in a non-autonomous vehicle environment without speed lanes. Engineering Applications of Artificial Intelligence, 2013, 26, 1588-1601.	4.3	49
51	Conscious buildings?. Intelligent Buildings International, 2013, 5, 199-203.	1.3	3
52	Sensor-Based Trajectory Generation for Advanced Driver Assistance System. Robotics, 2013, 2, 19-35.	2.1	3
53	The disappearing human--machine divide. Approaching Religion, 2013, 3, 3-15.	0.2	4
54	Emergence of a Small-World Functional Network in Cultured Neurons. PLoS Computational Biology, 2012, 8, e1002522.	1.5	132

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55	Planning autonomous vehicles in the absence of speed lanes using lateral potentials. , 2012, , .		4
56	Parkinsonian tremor identification with multiple local field potential feature classification. Journal of Neuroscience Methods, 2012, 209, 320-330.	1.3	29
57	Parkinsonâ€™s Disease tremor classification â€™ A comparison between Support Vector Machines and neural networks. Expert Systems With Applications, 2012, 39, 10764-10771.	4.4	82
58	Brain computer interface control via functional connectivity dynamics. Pattern Recognition, 2012, 45, 2123-2136.	5.1	83
59	Multiscale Evolving Complex Network Model of Functional Connectivity in Neuronal Cultures. IEEE Transactions on Biomedical Engineering, 2012, 59, 30-34.	2.5	12
60	Guest Editorial Introduction to the Focused Section on Wireless Mechatronics. IEEE/ASME Transactions on Mechatronics, 2012, 17, 397-403.	3.7	9
61	Not Another Look at the Turing Test!. Lecture Notes in Computer Science, 2012, , 130-140.	1.0	9
62	Experiments into biology-technology interaction. , 2011, , .		0
63	Planning of multiple autonomous vehicles using RRT. , 2011, , .		21
64	Normality Mining: Privacy Implications of Behavioral Profiles Drawn From GPS Enabled Mobile Phones. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 251-261.	3.3	24
65	Revealing Ensemble State Transition Patterns in Multi-Electrode Neuronal Recordings Using Hidden Markov Models. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 345-355.	2.7	16
66	Spatio-temporal dependencies in functional connectivity in rodent cortical cultures. Paladyn, 2011, 2, .	1.9	0
67	Multi-Vehicle Planning using RRT-Connect*. Paladyn, 2011, 2, .	1.9	8
68	Single tap identification for fast BCI control. Cognitive Neurodynamics, 2011, 5, 21-30.	2.3	17
69	Future Issues with Robots and Cyborgs. Studies in Ethics, Law, and Technology, 2011, 4, .	0.3	3
70	A Reply to My Commentators. Studies in Ethics, Law, and Technology, 2011, 4, .	0.3	0
71	Experiments with an In-Vitro Robot Brain. Lecture Notes in Computer Science, 2011, , 1-15.	1.0	14
72	The Future of Human-Machine Interaction: Implant Technology. Advances in Intelligent and Soft Computing, 2011, , 11-19.	0.2	0

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73	Testing Turing's five minutes, parallel—paired imitation game. <i>Kybernetes</i> , 2010, 39, 449-465.	1.2	27
74	A novel human-machine interface using subdermal magnetic implants. , 2010, , .		23
75	Hidden Interlocutor Misidentification in Practical Turing Tests. <i>Minds and Machines</i> , 2010, 20, 441-454.	2.7	27
76	Implications and consequences of robots with biological brains. <i>Ethics and Information Technology</i> , 2010, 12, 223-234.	2.3	52
77	Engaging Robots: Innovative Outreach for Attracting Cybernetics Students. <i>IEEE Transactions on Education</i> , 2010, 53, 105-113.	2.0	19
78	Prediction of Parkinson’s disease tremor onset using radial basis function neural networks. <i>Expert Systems With Applications</i> , 2010, 37, 2923-2928.	4.4	55
79	Single trial BCI operation via Wackermann parameters. , 2010, , .		0
80	Cloud based global positioning system as a safety monitor for dementia patients. , 2010, , .		4
81	PREDICTION OF PARKINSON'S DISEASE TREMOR ONSET USING A RADIAL BASIS FUNCTION NEURAL NETWORK BASED ON PARTICLE SWARM OPTIMIZATION. <i>International Journal of Neural Systems</i> , 2010, 20, 109-116.	3.2	110
82	Features for detection of Parkinson's disease tremor from local field potentials of the subthalamic nucleus. , 2010, , .		5
83	Investigation of spatio-temporal dependencies in neuronal functional connectivity. , 2010, , .		2
84	Identifying tremor-related characteristics of basal ganglia nuclei during movement in the Parkinsonian patient. <i>Parkinsonism and Related Disorders</i> , 2010, 16, 671-675.	1.1	20
85	Prosthesis grasp reflex via peripheral nerve control — An in vitro study. , 2010, , .		1
86	Application of Poisson-based hidden Markov models to in vitro neuronal data. , 2010, , .		0
87	Controlling a Mobile Robot with a Biological Brain. <i>Defence Science Journal</i> , 2010, 60, 5-14.	0.5	61
88	What Is It Like to Be a Robot?. , 2010, , 312-327.		1
89	The philosophy of W. Ross Ashby and its relationship to “The Matrix”. <i>International Journal of General Systems</i> , 2009, 38, 239-253.	1.2	0
90	Case Studies to Demonstrate the Range of Applications of the Southampton Hand Assessment Procedure. <i>British Journal of Occupational Therapy</i> , 2009, 72, 212-218.	0.5	74

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91	Cultured neural networks. International Journal of Adaptive Control and Signal Processing, 2009, 23, 981-982.	2.3	0
92	Technoethics. , 2009, , 32-43.		1
93	Emotion in the Turing Test. , 2009, , 325-349.		1
94	Of mice and men. Studies in Health Technology and Informatics, 2009, 149, 203-13.	0.2	0
95	Special Issue on "Cultured Neural Networks" International Journal of Adaptive Control and Signal Processing (ACS). International Journal of Adaptive Control and Signal Processing, 2008, 22, 100-100.	2.3	0
96	Consumer Robotic Products. IEEE Robotics and Automation Magazine, 2008, 15, 71-79.	2.2	3
97	Autonomous intelligent cruise control using a novel multiple-controller framework incorporating fuzzy-logic-based switching and tuning. Neurocomputing, 2008, 71, 2727-2741.	3.5	48
98	On linking human and machine brains. Neurocomputing, 2008, 71, 2619-2624.	3.5	11
99	Architecture for Neuronal Cell Control of a Mobile Robot. , 2008, , 23-31.		16
100	Implantable Computing. Lecture Notes in Computer Science, 2008, , 1-16.	1.0	2
101	Re-Designing Humankind: The Rise of Cyborgs, a Desirable Goal?. , 2008, , 185-195.		0
102	Prospects for Thought Communication. , 2008, , 273-290.		1
103	Hybrid Brains "Biology, Technology Merger. Communications in Computer and Information Science, 2008, , 19-34.	0.4	1
104	A Fuzzy Multi-Criteria Decision Approach for Enhanced Auto-Tracking of Seismic Events. , 2007, , .		2
105	Synapsing Variable-Length Crossover: Meaningful Crossover for Variable-Length Genomes. IEEE Transactions on Evolutionary Computation, 2007, 11, 118-131.	7.5	45
106	Therapeutic potential of computer to cerebral cortex implantable devices. , 2007, 97, 529-535.		2
107	The Promise and Threat of Modern Cybernetics. Southern Medical Journal, 2007, 100, 112-114.	0.3	4
108	Combining Human & Machine Brains. , 2007, , 3-9.		0

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109	Historical and current machine intelligence. IEEE Instrumentation and Measurement Magazine, 2006, 9, 20-26.	1.2	8
110	ROBOT-HUMAN INTERACTION Practical experiments with a cyborg. , 2006, , 3-10.		1
111	Synapsing Variable Length Crossover: An Algorithm for Crossing and Comparing Variable Length Genomes. Lecture Notes in Computer Science, 2005, , 926-935.	1.0	0
112	Future of computer implant technology and intelligent human-machine systems. Studies in Health Technology and Informatics, 2005, 118, 125-31.	0.2	1
113	Practical Interface Experiments with Implant Technology. Lecture Notes in Computer Science, 2004, , 7-16.	1.0	8
114	Invasive neural prosthesis for neural signal detection and nerve stimulation. International Journal of Adaptive Control and Signal Processing, 2004, 19, 365.	2.3	19
115	Cyborg morals, cyborg values, cyborg ethics. Ethics and Information Technology, 2003, 5, 131-137.	2.3	113
116	A robust nonlinear identification algorithm using press statistic and forward regression. IEEE Transactions on Neural Networks, 2003, 14, 454-458.	4.8	24
117	The Application of Implant Technology for Cybernetic Systems. Archives of Neurology, 2003, 60, 1369.	4.9	179
118	Thought to computer communication. Studies in Health Technology and Informatics, 2002, 80, 61-8.	0.2	2
119	A stable one-step-ahead predictive control of non-linear systems. Automatica, 2000, 36, 485-495.	3.0	51
120	Artificial Keys for Botanical Identification using a Multilayer Perceptron Neural Network (MLP). Artificial Intelligence Review, 1998, 12, 95-115.	9.7	15
121	ROBOT NEUROSCIENCE - A CYBERNETICS APPROACH. Progress in Neural Processing, 1998, , 113-125.	0.3	1
122	Self-organising neural networks for adaptive control. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 15, 153-163.	2.0	1
123	A critique of neural networks for discrete-time linear control. International Journal of Control, 1995, 61, 1253-1264.	1.2	22
124	Applying Self-Organizing Feature Maps to the Control of Artificial Organisms in Maze Running Tasks. , 1992, , .		1
125	Relationship between ÅÿstrÅÿm control and the kalman linear regulatorâ€”caines revisited. Optimal Control Applications and Methods, 1990, 11, 223-232.	1.3	3
126	Parallel Controller Structure for On-Line Performance Assesment. , 1989, , .		2

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127	Turing's Ideas on Machine Thinking and Intelligence. , 0, , 23-40.		0
128	The Controversy Surrounding Turing's Imitation Game. , 0, , 56-68.		0
129	Matters Arising from Early Turing Tests. , 0, , 81-96.		0
130	The 2008 Reading University Turing Tests. , 0, , 103-127.		0
131	2012 Tests “ Bletchley Park. , 0, , 128-158.		0
132	Turing2014: Tests at The Royal Society, June 2014. , 0, , 171-186.		1
133	The Reaction to Turing2014. , 0, , 187-193.		0
134	Practical Experimentation with Human Implants. Advances in Human and Social Aspects of Technology Book Series, 0, , 64-132.	0.3	1