Kevin Warwick

List of Publications by Year
in descending order

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	The Application of Implant Technology for Cybernetic Systems. Archives of Neurology, 2003, 60, 1369.	4.9	179
2	Emergence of a Small-World Functional Network in Cultured Neurons. PLoS Computational Biology, 2012, 8, e1002522.	1.5	132
3	Cyborg morals, cyborg values, cyborg ethics. Ethics and Information Technology, 2003, 5, 131-137.	2.3	113
4	PREDICTION OF PARKINSON'S DISEASE TREMOR ONSET USING A RADIAL BASIS FUNCTION NEURAL NETWORK BASED ON PARTICLE SWARM OPTIMIZATION. International Journal of Neural Systems, 2010, 20, 109-116.	3.2	110
5	Brain computer interface control via functional connectivity dynamics. Pattern Recognition, 2012, 45, 2123-2136.	5.1	83
6	Can machines talk? Comparison of Eliza with modern dialogue systems. Computers in Human Behavior, 2016, 58, 278-295.	5.1	83
7	Parkinson's Disease tremor classification – A comparison between Support Vector Machines and neural networks. Expert Systems With Applications, 2012, 39, 10764-10771.	4.4	82
8	Case Studies to Demonstrate the Range of Applications of the Southampton Hand Assessment Procedure. British Journal of Occupational Therapy, 2009, 72, 212-218.	0.5	74
9	Resting tremor classification and detection in Parkinson's disease patients. Biomedical Signal Processing and Control, 2015, 16, 88-97.	3.5	62
10	Controlling a Mobile Robot with a Biological Brain. Defence Science Journal, 2010, 60, 5-14.	0.5	61
11	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
12	Prediction of Parkinson's disease tremor onset using radial basis function neural networks. Expert Systems With Applications, 2010, 37, 2923-2928.	4.4	55
13	Automated Artifact Removal From the Electroencephalogram. Clinical EEG and Neuroscience, 2013, 44, 291-306.	0.9	55
14	Implications and consequences of robots with biological brains. Ethics and Information Technology, 2010, 12, 223-234.	2.3	52
15	A stable one-step-ahead predictive control of non-linear systems. Automatica, 2000, 36, 485-495.	3.0	51
16	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
17	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
18	Can machines think? A report on Turing test experiments at the Royal Society. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 989-1007.	1.8	47

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19	Synapsing Variable-Length Crossover: Meaningful Crossover for Variable-Length Genomes. IEEE Transactions on Evolutionary Computation, 2007, 11, 118-131.	7.5	45
20	Parkinsonian tremor identification with multiple local field potential feature classification. Journal of Neuroscience Methods, 2012, 209, 320-330.	1.3	29
21	The Cyborg Revolution. NanoEthics, 2014, 8, 263-273.	0.5	29
22	Some Implications of a Sample of Practical Turing Tests. Minds and Machines, 2013, 23, 163-177.	2.7	28
23	Testing Turing's five minutes, parallelâ€paired imitation game. Kybernetes, 2010, 39, 449-465.	1.2	27
24	Hidden Interlocutor Misidentification in Practical Turing Tests. Minds and Machines, 2010, 20, 441-454.	2.7	27
25	A robust nonlinear identification algorithm using press statistic and forward regression. IEEE Transactions on Neural Networks, 2003, 14, 454-458.	4.8	24
26	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
27	A novel human-machine interface using subdermal magnetic implants. , 2010, , .		23
28	Good Machine Performance in Turing's Imitation Game. IEEE Transactions on Games, 2014, 6, 289-299.	1.7	23
29	A Fuzzy Inference System for Closed-Loop Deep Brain Stimulation in Parkinsonâ€™s Disease. Journal of Medical Systems, 2015, 39, 155.	2.2	23
30	A critique of neural networks for discrete-time linear control. International Journal of Control, 1995, 61, 1253-1264.	1.2	22
31	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
32	Human misidentification in Turing tests. Journal of Experimental and Theoretical Artificial Intelligence, 2015, 27, 123-135.	1.8	22
33	Planning of multiple autonomous vehicles using RRT. , 2011, , .		21
34	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
35	Passing the Turing Test Does Not Mean the End of Humanity. Cognitive Computation, 2016, 8, 409-419.	3.6	21
36	Identifying tremor-related characteristics of basal ganglia nuclei during movement in the Parkinsonian patient. Parkinsonism and Related Disorders, 2010, 16, 671-675.	1.1	20

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37	Invasive neural prosthesis for neural signal detection and nerve stimulation. International Journal of Adaptive Control and Signal Processing, 2004, 19, 365.	2.3	19
38	Engaging Robots: Innovative Outreach for Attracting Cybernetics Students. IEEE Transactions on Education, 2010, 53, 105-113.	2.0	19
39	Single tap identification for fast BCI control. Cognitive Neurodynamics, 2011, 5, 21-30.	2.3	17
40	Intelligent Transportation System with Diverse Semi-Autonomous Vehicles. International Journal of Computational Intelligence Systems, 2015, 8, 886.	1.6	17
41	Architecture for Neuronal Cell Control of a Mobile Robot. , 2008, , 23-31.		16
42	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
43	Artificial Keys for Botanical Identification using a Multilayer Perceptron Neural Network (MLP). Artificial Intelligence Review, 1998, 12, 95-115.	9.7	15
44	Effects of lying in practical Turing tests. AI and Society, 2016, 31, 5-15.	3.1	14
45	Experiments with an In-Vitro Robot Brain. Lecture Notes in Computer Science, 2011, , 1-15.	1.0	14
46	Multiscale Evolving Complex Network Model of Functional Connectivity in Neuronal Cultures. IEEE Transactions on Biomedical Engineering, 2012, 59, 30-34.	2.5	12
47	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
48	On linking human and machine brains. Neurocomputing, 2008, 71, 2619-2624.	3.5	11
49	The importance of a human viewpoint on computer natural language capabilities: a Turing test perspective. AI and Society, 2016, 31, 207-221.	3.1	11
50	Non-Linear Dynamical Analysis of Resting Tremor for Demand-Driven Deep Brain Stimulation. Sensors, 2019, 19, 2507.	2.1	11
51	Outwitted by the Hidden. International Journal of Synthetic Emotions, 2014, 5, 46-59.	0.3	11
52	User-Friendly Free-Text Keystroke Dynamics Authentication for Practical Applications. , 2013, , .		10
53	Assumption of knowledge and the Chinese Room in Turing test interrogation. AI Communications, 2014, 27, 275-283.	0.8	10
54	Homo Technologicus: Threat or Opportunity?. Philosophies, 2016, 1, 199-208.	0.4	10

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55	Guest Editorial Introduction to the Focused Section on Wireless Mechatronics. IEEE/ASME Transactions on Mechatronics, 2012, 17, 397-403.	3.7	9
56	Neuroengineering and neuroprosthetics. Brain and Neuroscience Advances, 2018, 2, 239821281881749.	1.8	9
57	Not Another Look at the Turing Test!. Lecture Notes in Computer Science, 2012, , 130-140.	1.0	9
58	Practical Interface Experiments with Implant Technology. Lecture Notes in Computer Science, 2004, , 7-16.	1.0	8
59	Historical and current machine intelligence. IEEE Instrumentation and Measurement Magazine, 2006, 9, 20-26.	1.2	8
60	Multi-Vehicle Planning using RRT-Connect*. Paladyn, 2011, 2, .	1.9	8
61	Dynamic distributed lanes: motion planning for multiple autonomous vehicles. Applied Intelligence, 2014, 41, 260-281.	3.3	6
62	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
63	Reactive Planning of Autonomous Vehicles for Traffic Scenarios. Electronics (Switzerland), 2015, 4, 739-762.	1.8	6
64	Machine humour: examples from Turing test experiments. AI and Society, 2017, 32, 553-561.	3.1	6
65	Superhuman Enhancements via Implants: Beyond the Human Mind. Philosophies, 2020, 5, 14.	0.4	6
66	Features for detection of Parkinson's disease tremor from local field potentials of the subthalamic nucleus. , 2010, , .		5
67	Congestion avoidance in city traffic. Journal of Advanced Transportation, 2015, 49, 581-595.	0.9	5
68	Motion Planning of Autonomous Vehicles on a Dual Carriageway without Speed Lanes. Electronics (Switzerland), 2015, 4, 59-81.	1.8	5
69	Cloud based global positioning system as a safety monitor for dementia patients. , 2010, , .		4
70	Planning autonomous vehicles in the absence of speed lanes using lateral potentials. , 2012, , .		4
71	Human Enhancement--The way ahead. Ubiquity, 2014, 2014, 1-8.	0.2	4
72	The Promise and Threat of Modern Cybernetics. Southern Medical Journal, 2007, 100, 112-114.	0.3	4

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73	The disappearing human–machine divide. Approaching Religion, 2013, 3, 3-15.	0.2	4
74	Relationship between Åström control and the kalman linear regulator—caines revisited. Optimal Control Applications and Methods, 1990, 11, 223-232.	1.3	3
75	Consumer Robotic Products. IEEE Robotics and Automation Magazine, 2008, 15, 71-79.	2.2	3
76	Future Issues with Robots and Cyborgs. Studies in Ethics, Law, and Technology, 2011, 4, .	0.3	3
77	Conscious buildings?. Intelligent Buildings International, 2013, 5, 199-203.	1.3	3
78	Sensor-Based Trajectory Generation for Advanced Driver Assistance System. Robotics, 2013, 2, 19-35.	2.1	3
79	Computing journey start times with recurrent traffic conditions. IET Intelligent Transport Systems, 2014, 8, 681-687.	1.7	3
80	Creating and Controlling Complex Biological Brains. Studies in Systems, Decision and Control, 2016, , 141-156.	0.8	3
81	Taking the fifth amendment in Turing's imitation game. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 287-297.	1.8	3
82	Subdermal Magnetic Implants: An Experimental Study. Cybernetics and Systems, 2018, 49, 122-150.	1.6	3
83	A Fuzzy Multi-Criteria Decision Approach for Enhanced Auto-Tracking of Seismic Events. , 2007, , .		2
84	Investigation of spatio-temporal dependencies in neuronal functional connectivity. , 2010, , .		2
85	Therapeutic potential of computer to cerebral cortex implantable devices. , 2007, 97, 529-535.		2
86	The Merging of Humans and Machines. Springer Series in Computational Neuroscience, 2015, , 79-89.	0.3	2
87	Implantable Computing. Lecture Notes in Computer Science, 2008, , 1-16.	1.0	2
88	The Turing Test. International Journal of Synthetic Emotions, 2014, 5, 31-45.	0.3	2
89	Thought to computer communication. Studies in Health Technology and Informatics, 2002, 80, 61-8.	0.2	2
90	Parallel Controller Structure for On-Line Performance Assesment. , 1989, , .		2

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91	Self-organising neural networks for adaptive control. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 15, 153-163.	2.0	1
92	Prosthesis grasp reflex via peripheral nerve control &#x2014; An in vitro study. , 2010, , .		1
93	Creating practical cyborgs. Pragmatics and Cognition, 2014, 22, 159-181.	0.2	1
94	A method to assess individual research outputs. International Journal of Modelling, Identification and Control, 2014, 21, 1.	0.2	1
95	Turing2014: Tests at The Royal Society, June 2014. , 0, , 171-186.		1
96	ROBOT-HUMAN INTERACTION Practical experiments with a cyborg. , 2006, , 3-10.		1
97	What Is It Like to Be a Cyborg?. Advances in Computational Intelligence and Robotics Book Series, 2018, , 68-78.	0.4	1
98	Prospects for Thought Communication. , 2008, , 273-290.		1
99	Hybrid Brains â€" Biology, Technology Merger. Communications in Computer and Information Science, 2008, , 19-34.	0.4	1
100	Technoethics. , 2009, , 32-43.		1
101	Emotion in the Turing Test. , 2009, , 325-349.		1
102	What Is It Like to Be a Robot?. , 2010, , 312-327.		1
103	Applying Self-Organizing Feature Maps to the Control of Artificial Organisms in Maze Running Tasks. , 1992, , .		1
104	ROBOT NEUROSCIENCE - A CYBERNETICS APPROACH. Progress in Neural Processing, 1998, , 113-125.	0.3	1
105	The Disappearing Human-Machine Divide. Topics in Intelligent Engineering and Informatics, 2015, , 1-10.	0.4	1
106	Practical Experimentation with Human Implants. Advances in Human and Social Aspects of Technology Book Series, 0, , 64-132.	0.3	1
107	Future of computer implant technology and intelligent human-machine systems. Studies in Health Technology and Informatics, 2005, 118, 125-31.	0.2	1
108	Special Issue on â€˜Cultured Neural Networksâ€™International Journal of Adaptive Control and Signal Processing (ACS). International Journal of Adaptive Control and Signal Processing, 2008, 22, 100-100.	2.3	0

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109	The philosophy of W. Ross Ashby and its relationship to â€˜The Matrixâ€™. International Journal of General Systems, 2009, 38, 239-253.	1.2	0
110	Cultured neural networks. International Journal of Adaptive Control and Signal Processing, 2009, 23, 981-982.	2.3	0
111	Single trial BCI operation via Wackermann parameters. , 2010, , .		0
112	Application of Poisson-based hidden Markov models to in vitro neuronal data. , 2010, , .		0
113	Experiments into biology-technology interaction. , 2011, , .		0
114	Spatio-temporal dependencies in functional connectivity in rodent cortical cultures. Paladyn, 2011, 2, .	1.9	0
115	A Reply to My Commentators. Studies in Ethics, Law, and Technology, 2011, 4, .	0.3	0
116	Turing's Ideas on Machine Thinking and Intelligence. , 0, , 23-40.		0
117	The Controversy Surrounding Turing's Imitation Game. , 0, , 56-68.		0
118	Matters Arising from Early Turing Tests. , 0, , 81-96.		0
119	The 2008 Reading University Turing Tests. , 0, , 103-127.		0
120	2012 Tests â€" Bletchley Park. , 0, , 128-158.		0
121	The Reaction to Turing2014. , 0, , 187-193.		0
122	Cyborgs. , 2017, , 705-715.		0
123	Complexity Symbiosis of Glia-Neuron Cells and Computational Cybernetics of Hopfield Recurrent Network: Novel Neuron Model. , 2019, , .		0
124	What Is It Like to Be a Cyborg?. , 2021, , 400-410.		0
125	Synapsing Variable Length Crossover: An Algorithm for Crossing and Comparing Variable Length Genomes. Lecture Notes in Computer Science, 2005, , 926-935.	1.0	0
126	Re-Designing Humankind: The Rise of Cyborgs, a Desirable Goal?. , 2008, , 185-195.		0

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127	The Future of Human-Machine Interaction: Implant Technology. Advances in Intelligent and Soft Computing, 2011, , 11-19.	0.2	0
128	Space bodies. , 2017, , 341-382.		0
129	Turing Test. , 2017, , 1-8.		0
130	Trust and Decision Making in Turing's Imitation Game. , 2018, , 251-264.		0
131	Trust and Decision Making in Turing's Imitation Game. Advances in Computer and Electrical Engineering Book Series, 2019, , 195-210.	0.2	0
132	Combining Human & Machine Brains. , 2007, , 3-9.		0
133	Of mice and men. Studies in Health Technology and Informatics, 2009, 149, 203-13.	0.2	0
134	Turing Test. , 2022, , 7087-7094.		0