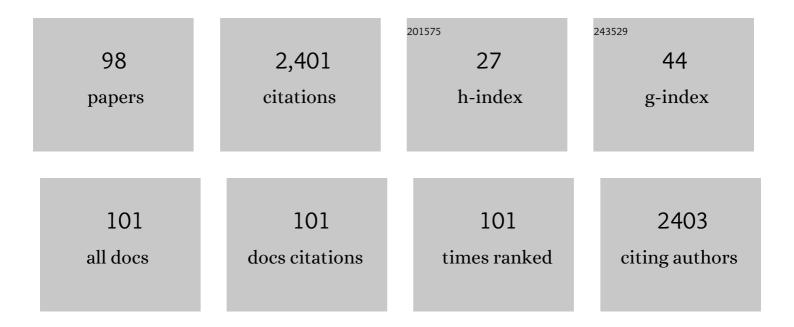
Liam Maguire

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/551959/publications.pdf Version: 2024-02-01



1 Protect of Dappd Service Musual Precentation of Pictures, Numbers and Woods Affects Event-Related 2.7 16 2 Using simulation-based system dynamics and genetic algorithms to reduce the cash flow bullwhip in 4.9 27 3 Metastrable neural dynamics underlies cognitive performance across multiple behavioural paradigms. 1.9 28 4 Apractical computerized decision support system for predicting the severity of Alzhelmer's disease of 1.4 73 a Internet man Mapping, 2020, 41, 2312-2324. 0.8 0 a Apractical computerized decision support system for predicting the severity of Alzhelmer's disease of 1.4 73 a Primary care use of laboracory tests in Northern Indendations, 2019, 130, 157-171. 0.8 0 a Asupervised Learning Algorithm for Learning Precise Timing of Multiple Splites in Multipley: Spliting, 72 59 7 Abded View Controller (MVC) architecture for contextual visualisation of task-based multi-dimensional anergy KPE in a manufacturing process. International Journal of Ambient Energy, 2018, 31, 021001. 3 10 Supervised Learning Algorithm for Learning Precise Timing of Multiple Splites in Multipley: Spliting 2018, 50, 021001. 3 11 Abded View Controller (MVC) architecture for contextual visualisation of task-baseed 1.8 81	#	Article	IF	CITATIONS
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3 Human Brain Mapping, 2020, 41, 3212-3234. 10 23 4 A practical computerized decision support system for predicting the severity of Alzhelmer's disease of an individual. Expert Systems With Applications, 2019, 130, 157-171. 4.4 73 5 Primary care use of laboratory tests in Northern Irelands€ [™] s Western Health and Social Care Trust: a 0.8 0 6 A Supervised Learning Algorithm for Learning Precise Timing of Multiple Spikes in Multilayer Spiking 7.2 59 7 AModel View Control of MVD architecture for contextual visualisation of task-based nulti-dimensional energy KHS in a manufacturing process. International Journal of Ambient Energy, 2018, 39, 406413. 3 8 A review of rapid serial visual presentation-based brainá€ [™] computer interfaces. Journal of Neural Engineering, 2018, 10, 201001. 1.8 81 9 Quantitative analysis of breast cancer alegnosis using a probabilistic modelling approach. Computers 3.9 21 10 Simulation-based system dynamics optimization modelling of supply chain working capital management 0 43 12 Case study: Impact of auxillary energy in manufacturing operations, 2018, 1.7 2 2 13 Antecker of auxillary energy in manufacturing operations, 2018, 2 34 14 Outentitative analysis of breast cancer a	2	Using simulation-based system dynamics and genetic algorithms to reduce the cash flow bullwhip in the supply chain. International Journal of Production Research, 2020, 58, 5253-5279.	4.9	27
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5 cross-sectional study. BMJ Open, 2019, 9, e026647. 0.8 0 6 A Supervised Learning Algorithm for Learning Precise Timing of Multiple Spikes in Multilayer Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5394-5407. 7.2 59 7 A Model-Mew-Controller (MVC) architecture for contextual visualisation of task-based multi-dimensional energy RPs in a manufacturing process. International Journal of Ambient Energy, 2018, 39, 406413. 1.4 3 8 A review of rapid serial visual presentation-based brainãe ^{er} computer interfaces. Journal of Neural Engineering, 2018, 15, 021001. 1.8 81 9 Quantitative analysis of breast cancer diagnosis using a probabilistic modelling approach. Computers In Biology and Medicine, 2018, 92, 168-175. 3.9 21 10 Simulation-based system dynamics optimization modelling of supply chain working capital management under lead time uncertainty., 2018, 0 11 A hybrid computational approach for efficient Alzheimeräe ^{TMs} disease classification based on heterogeneous data. Scientific Reports, 2018, 8, 9774. 1.6 43 12 Case study: Impact of auxiliary energy in manufacturing operations., 2018, 2.1 34 13 Metastable neural dynamics in Alzheimer's disease are disrupted by lesions to the structural connectome. NeuroImage, 2018, 183, 438-455. 1.7 22 14	4	A practical computerized decision support system for predicting the severity of Alzheimer's disease of an individual. Expert Systems With Applications, 2019, 130, 157-171.	4.4	73
 Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5394-5407. A Model-View-Controller (MVC) architecture for contextual visualisation of task-based multi-dimensional energy KPIs in a manufacturing process. International Journal of Ambient Energy, 2018, 59, 406-413. A review of rapid serial visual presentation-based brainã€" computer interfaces. Journal of Neural 1.8 81 Quantitative analysis of breast cancer diagnosis using a probabilistic modelling approach. Computers 1.9 11.8 81 Quantitative analysis of breast cancer diagnosis using a probabilistic modelling approach. Computers 1.9 121 Simulation-based system dynamics optimization modelling of supply chain working capital management under lead time uncertainty., 2018, 9, 774. Simulation-based system dynamics optimization modelling of supply chain working capital management under lead time uncertainty., 2018, 8, 9774. Case study: Impact of auxiliary energy in manufacturing operations., 2018, 2 Metastable neural dynamics in Alzheimer's disease are disrupted by lesions to the structural connectome. NeuroImage, 2018, 183, 438-455. Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370. Multi-Kernel Learning with Dartel Improves Combined MRI-PET Classification of Alzheimer6^{CM} S Disease in 1.0 32 Self-repairing hardware with astrocyte-neuron networks., 2016, 16 	5		0.8	0
7 multi-dimensional energy KPIs in a manufacturing process. International Journal of Ambient Energy, 2018, 39, 406-413. 1.4 3 8 A review of rapid serial visual presentation-based brain&E" computer interfaces. Journal of Neural Engineering, 2018, 15, 021001. 1.8 81 9 Quantitative analysis of breast cancer diagnosis using a probabilistic modelling approach. Computers in Biology and Medicine, 2018, 92, 168-175. 3.9 21 10 Simulation-based system dynamics optimization modelling of supply chain working capital management under lead time uncertainty., 2018, 0 11 Ahybrid computational approach for efficient AlzheimeråC™s disease classification based on heterogeneous data. Scientific Reports, 2018, 8, 9774. 1.6 43 12 Case study: Impact of auxiliary energy in manufacturing operations., 2018, 2 34 13 Connectome. NeuroImage, 2018, 183, 438-455. 2.1 34 14 Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370. 1.7 22 15 Multi-Kernel Learning with Dartel Improves Combined MRI-PET Classification of AlzheimeraeT™s Disease in AIBL Data: Group and Individual Analyses. Frontiers in Human Neuroscience, 2017, 11, 380. 1.0 32 16 SelF-repairing hardware with astrocyte-neur	6	A Supervised Learning Algorithm for Learning Precise Timing of Multiple Spikes in Multilayer Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5394-5407.	7.2	59
Image: Series of the serie	7	multi-dimensional energy KPIs in a manufacturing process. International Journal of Ambient Energy,	1.4	3
9 in Biology and Médicine, 2018, 92, 168-175. 3.9 21 10 Simulation-based system dynamics optimization modelling of supply chain working capital management under lead time uncertainty., 2018, ,. 0 11 A hybrid computational approach for efficient Alzheimer's disease classification based on heterogeneous data. Scientific Reports, 2018, 8, 9774. 1.6 43 12 Case study: Impact of auxiliary energy in manufacturing operations., 2018, ,. 2 13 Metastable neural dynamics in Alzheimer's disease are disrupted by lesions to the structural connectome. NeuroImage, 2018, 183, 438.455. 2.1 34 14 Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370. 1.7 22 15 Multi-Kernel Learning with Dartel Improves Combined MRI-PET Classification of Alzheimer's Disease in AIBL Data: Croup and Individual Analyses. Frontiers in Human Neuroscience, 2017, 11, 380. 1.0 32 16 Self-repairing hardware with astrocyte-neuron networks., 2016, , . 16	8		1.8	81
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11 heterogeneous data. Scientific Reports, 2018, 8, 9774. 16 43 12 Case study: Impact of auxiliary energy in manufacturing operations. , 2018, , . 2 13 Metastable neural dynamics in Alzheimer's disease are disrupted by lesions to the structural connectome. NeuroImage, 2018, 183, 438-455. 2.1 34 14 Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370. 1.7 22 15 Multi-Kernel Learning with Dartel Improves Combined MRI-PET Classification of Alzheimer's Disease in AlBL Data: Group and Individual Analyses. Frontiers in Human Neuroscience, 2017, 11, 380. 1.0 32 16 Self-repairing hardware with astrocyte-neuron networks. , 2016, , . 16	10			0
13 Metastable neural dynamics in Alzheimer's disease are disrupted by lesions to the structural connectome. NeuroImage, 2018, 183, 438-455. 2.1 34 14 Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370. 1.7 22 15 Multi-Kernel Learning with Dartel Improves Combined MRI-PET Classification of Alzheimer's Disease in AlBL Data: Group and Individual Analyses. Frontiers in Human Neuroscience, 2017, 11, 380. 1.0 32 16 Self-repairing hardware with astrocyte-neuron networks., 2016, ,. 16	11		1.6	43
13 connectome. Neuroimage, 2018, 183, 438-455. 2.1 34 14 Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370. 1.7 22 15 Multi-Kernel Learning with Dartel Improves Combined MRI-PET Classification of Alzheimer's Disease in AlBL Data: Group and Individual Analyses. Frontiers in Human Neuroscience, 2017, 11, 380. 1.0 32 16 Self-repairing hardware with astrocyte-neuron networks. , 2016, , . 16	12	Case study: Impact of auxiliary energy in manufacturing operations. , 2018, , .		2
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15 AIBL Data: Group and Individual Analyses. Frontiers in Human Neuroscience, 2017, 11, 380. 10 32 16 Self-repairing hardware with astrocyte-neuron networks. , 2016, , . 16 17 Scalable Networks-on-Chip Interconnected Architecture for Astrocyte-Neuron Networks. IEEE 8.5 40	14		1.7	22
Scalable Networks-on-Chip Interconnected Architecture for Astrocyte-Neuron Networks. IEEE	15		1.0	32
	16	Self-repairing hardware with astrocyte-neuron networks. , 2016, , .		16
	17		3.5	40

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20	A cognitive robotic ecology approach to self-configuring and evolving AAL systems. Engineering Applications of Artificial Intelligence, 2015, 45, 269-280.	4.3	24
21	Low cost fault-tolerant routing algorithm for Networks-on-Chip. Microprocessors and Microsystems, 2015, 39, 358-372.	1.8	42
22	DL-ReSuMe: A Delay Learning-Based Remote Supervised Method for Spiking Neurons. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3137-3149.	7.2	69
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24	Compensating for thalamocortical synaptic loss in Alzheimer's disease. Frontiers in Computational Neuroscience, 2014, 8, 65.	1.2	22
25	INTRODUCTION. International Journal of Neural Systems, 2014, 24, 1403002.	3.2	0
26	Low Overhead Monitor Mechanism for Fault-Tolerant Analysis of NoC. , 2014, , .		6
27	Online traffic-aware fault detection for networks-on-chip. Journal of Parallel and Distributed Computing, 2014, 74, 1984-1993.	2.7	44
28	An experimental evaluation of novelty detection methods. Neurocomputing, 2014, 135, 313-327.	3.5	96
29	A locally adaptive boundary evolution algorithm for novelty detection using level set methods. , 2014, , .		4
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31	Maximum likelihood estimation for second level fMRI data analysis with expectation trust region algorithm. Magnetic Resonance Imaging, 2014, 32, 132-149.	1.0	1
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34	Neural Circuit Models and Neuropathological Oscillations. , 2014, , 673-702.		3
35	Spectral and Non-linear Analysis of Thalamocortical Neural Mass Model Oscillatory Dynamics. , 2014, , 87-112.		4
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37	Development of a self sustaining cognitive architecture. Biologically Inspired Cognitive Architectures, 2013, 6, 96-108.	0.9	1
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40	A visual attention model based on hierarchical spiking neural networks. Neurocomputing, 2013, 116, 3-12.	3.5	33
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42	Development of Cognitive Capabilities for Smart Home using a Self-Organizing Fuzzy Neural Network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 447-454.	0.4	6
43	Constructing minimum volume surfaces using level set methods for novelty detection. , 2012, , .		8
44	Synchrony: A spiking-based mechanism for processing sensory stimuli. Neural Networks, 2012, 32, 26-34.	3.3	3
45	Applying genetic algorithms to dampen the impact of price fluctuations in a supply chain. International Journal of Production Research, 2012, 50, 5396-5414.	4.9	12
46	Beta-amyloid induced changes in A-type K+ current can alter hippocampo-septal network dynamics. Journal of Computational Neuroscience, 2012, 32, 465-477.	0.6	27
47	Spiking Neural Network Model of Sound Localization Using the Interaural Intensity Difference. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 574-586.	7.2	29
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55	Gray matter concentration and effective connectivity changes in Alzheimer's disease: a longitudinal structural MRI study. Neuroradiology, 2011, 53, 733-748.	1.1	53
56	Receptive field optimisation and supervision of a fuzzy spiking neural network. Neural Networks, 2011, 24, 247-256.	3.3	14
57	Long Timescale fMRI Neuronal Adaptation Effects in Human Amblyopic Cortex. PLoS ONE, 2011, 6, e26562.	1.1	7
58	Does Soft Computing Classify Research in Spiking Neural Networks?. International Journal of Computational Intelligence Systems, 2010, 3, 176-189.	1.6	0
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61	AN STDP TRAINING ALGORITHM FOR A SPIKING NEURAL NETWORK WITH DYNAMIC THRESHOLD NEURONS. International Journal of Neural Systems, 2010, 20, 463-480.	3.2	27
62	AN FPGA HARDWARE/SOFTWARE CO-DESIGN TOWARDS EVOLVABLE SPIKING NEURAL NETWORKS FOR ROBOTICS APPLICATION. International Journal of Neural Systems, 2010, 20, 447-461.	3.2	20
63	A least angle regression method for fMRI activation detection in phase-encoded experimental designs. NeuroImage, 2010, 52, 1390-1400.	2.1	13
64	Online versus offline learning for spiking neural networks: A review and new strategies. , 2010, , .		12
65	Thalamocortical circuitry and alpha rhythm slowing: An empirical study based on a classic computational model. , 2010, , .		7
66	Colour Image Segmentation Based on a Spiking Neural Network Model Inspired by the Visual System. Lecture Notes in Computer Science, 2010, , 49-57.	1.0	11
67	Remembering Key Features of Visual Images Based on Spike Timing Dependent Plasticity of Spiking Neurons. , 2009, , .		4
68	Dataset Selection for Training One-Class Support Vector Machines. , 2009, , .		2
69	Reducing the negative effects of sales promotions in supply chains using genetic algorithms. Expert Systems With Applications, 2009, 36, 7827-7837.	4.4	31
70	Downstream performance prediction for a manufacturing system using neural networks and six-sigma improvement techniques. Robotics and Computer-Integrated Manufacturing, 2009, 25, 513-521.	6.1	19
71	Detection of Straight Lines Using a Spiking Neural Network Model. , 2009, , .		4
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73	2D co-ordinate transformation based on a spike timing-dependent plasticity learning mechanism. Neural Networks, 2008, 21, 1318-1327.	3.3	14
74	Processing visual stimuli using hierarchical spiking neural networks. Neurocomputing, 2008, 71, 2055-2068.	3.5	24
75	Intelligent User Support in Autonomous Remote Experimentation Environments. IEEE Transactions on Industrial Electronics, 2008, 55, 2355-2367.	5.2	33
76	Disentangling causal relationships of a manufacturing process using genetic algorithms and six-sigma techniques. International Journal of Production Research, 2008, 46, 6251-6268.	4.9	9
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79	Simulation of Intelligent Computational Models in Biological Systems. , 2007, , .		3
80	A comparison of fuzzy strategies for corporate acquisition analysis. Fuzzy Sets and Systems, 2007, 158, 2039-2056.	1.6	19
81	Challenges for large-scale implementations of spiking neural networks on FPGAs. Neurocomputing, 2007, 71, 13-29.	3.5	209
82	Client–server architecture for collaborative remote experimentation. Journal of Network and Computer Applications, 2007, 30, 1295-1308.	5.8	31
83	Learning Mechanisms in Networks of Spiking Neurons. , 2007, , 171-197.		13
84	Edge Detection Based on Spiking Neural Network Model. Lecture Notes in Computer Science, 2007, , 26-34.	1.0	30
85	Employing dynamic fuzzy membership functions to assess environmental performance in the supplier selection process. International Journal of Production Research, 2006, 44, 2379-2419.	4.9	120
86	A user-centred corporate acquisition system: a dynamic fuzzy membership functions approach. Decision Support Systems, 2006, 42, 162-185.	3.5	7
87	Learning under weight constraints in networks of temporal encoding spiking neurons. Neurocomputing, 2006, 69, 1912-1922.	3.5	50
88	Minimizing the bullwhip effect in a supply chain using genetic algorithms. International Journal of Production Research, 2006, 44, 1523-1543.	4.9	83
89	Area Efficient Architecture for Large Scale Implementation of Biologically Plausible Spiking Neural Networks on Reconfigurable Hardware. , 2006, , .		11
90	Comparative Investigation into Classical and Spiking Neuron Implementations on FPGAs. Lecture Notes in Computer Science, 2005, , 269-274.	1.0	13

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92	Statistical and computational intelligence techniques for inferential model development: a comparative evaluation and a novel proposition for fusion. Engineering Applications of Artificial Intelligence, 2004, 17, 871-885.	4.3	98
93	Knowledge Discovery from Decision Tables by the Use of Multiple-Valued Logic. Artificial Intelligence Review, 2003, 19, 153-176.	9.7	11
94	On-chip and Off-chip Real-Time Debugging for Remotely-Accessed Embedded Programmable Systems. Lecture Notes in Computer Science, 2003, , 1079-1082.	1.0	1
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96	Genetic algorithm driven hardware–software partitioning for dynamically reconfigurable embedded systems. Microprocessors and Microsystems, 2001, 25, 263-274.	1.8	16
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