

# Georg Dorffner

## List of Publications by Year in descending order

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84  
papers

3,163  
citations

172386

29  
h-index

168321

53  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning-derived electrocardiographic algorithm for the detection of cardiac amyloidosis. <i>Heart</i> , 2022, 108, 1137-1147.	1.2	9
2	Influence of Obesity and Unemployment on Fertility Rates: A Multinational Analysis of 30 Countries from 1976 to 2014. <i>Journal of Clinical Medicine</i> , 2022, 11, 1152.	1.0	0
3	Altered Expression of RB and pRB in Tissue Arrays of Primary Breast Cancers and Matched Axillary Lymph Node Metastases. <i>Breast Journal</i> , 2022, 2022, 1-6.	0.4	0
4	Investigating and Exploiting Image Resolution for Transfer Learning-based Skin Lesion Classification. , 2021, , .		7
5	Investigating the Impact of the Bit Depth of Fluorescence-Stained Images on the Performance of Deep Learning-Based Nuclei Instance Segmentation. <i>Diagnostics</i> , 2021, 11, 967.	1.3	4
6	CryoNuSeg: A dataset for nuclei instance segmentation of cryosectioned H&E-stained histological images. <i>Computers in Biology and Medicine</i> , 2021, 132, 104349.	3.9	39
7	Space-based coil combination via geometric deep learning for reconstruction of non-Cartesian MRSI data. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2353-2367.	1.9	7
8	Self-Attention Long-Term Dependency Modelling in Electroencephalography Sleep Stage Prediction. <i>Lecture Notes in Computer Science</i> , 2021, , 379-390.	1.0	0
9	The roles of predictors in cardiovascular risk models - a question of modeling culture?. <i>BMC Medical Research Methodology</i> , 2021, 21, 284.	1.4	3
10	Convolutional Neural Networks for Fully Automated Diagnosis of Cardiac Amyloidosis by Cardiac Magnetic Resonance Imaging. <i>Journal of Personalized Medicine</i> , 2021, 11, 1268.	1.1	5
11	Deep contextualized embeddings for quantifying the informative content in biomedical text summarization. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 184, 105117.	2.6	47
12	Machine Learning Enables Prediction of Cardiac Amyloidosis by Routine Laboratory Parameters: A Proof-of-Concept Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1334.	1.0	13
13	Ca <sup>2+</sup> imaging of neurons in freely moving rats with automatic post hoc histological identification. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108765.	1.3	9
14	Complication rates among women undergoing preventive mastectomy: An Austrian registry. <i>Breast Journal</i> , 2020, 26, 1639-1644.	0.4	4
15	On the relationship of first-episode psychosis to the amphetamine-sensitized state: a dopamine D <sub>2/3</sub> receptor agonist radioligand study. <i>Translational Psychiatry</i> , 2020, 10, 2.	2.4	25
16	Transfer learning using a multi-scale and multi-network ensemble for skin lesion classification. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 193, 105475.	2.6	154
17	Coupling and Decoupling between Brain and Body Oscillations. <i>Neuroscience Letters</i> , 2019, 711, 134401.	1.0	15
18	Clustering suicides: A data-driven, exploratory machine learning approach. <i>European Psychiatry</i> , 2019, 62, 15-19.	0.1	4

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19	Associations of event-related brain potentials and Alzheimer's disease severity: A longitudinal study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 31-38.	2.5	25
20	Activity of Prefrontal Neurons Predict Future Choices during Gambling. <i>Neuron</i> , 2019, 101, 152-164.e7.	3.8	26
21	Fluid network dynamics in the prefrontal cortex during multiple strategy switching. <i>Nature Communications</i> , 2018, 9, 309.	5.8	43
22	Availability and use of mental health services in European countries: Influence on national suicide rates. <i>Journal of Affective Disorders</i> , 2018, 239, 66-71.	2.0	4
23	Machine learning for fast identification of bacteraemia in SIRS patients treated on standard care wards: a cohort study. <i>Scientific Reports</i> , 2018, 8, 12233.	1.6	32
24	A randomized Phase 2 study to evaluate the orexin-2 receptor antagonist seltorexant in individuals with insomnia without psychiatric comorbidity. <i>Journal of Psychopharmacology</i> , 2018, 32, 668-677.	2.0	44
25	Has the existence of seasonal affective disorder been disproven?. <i>Journal of Affective Disorders</i> , 2017, 208, 54-55.	2.0	13
26	The effect of seasonal changes and climatic factors on suicide attempts of young people. <i>BMC Psychiatry</i> , 2017, 17, 365.	1.1	29
27	Estimation of Sleep Quality by Using Microstructure Profiles. <i>Lecture Notes in Computer Science</i> , 2017, , 105-115.	1.0	1
28	Combining two open source tools for neural computation (BioPatRec and Netlab) improves movement classification for prosthetic control. <i>BMC Research Notes</i> , 2016, 9, 429.	0.6	10
29	Neither Single nor a Combination of Routine Laboratory Parameters can Discriminate between Gram-positive and Gram-negative Bacteremia. <i>Scientific Reports</i> , 2015, 5, 16008.	1.6	5
30	Computer-Assisted Automated Scoring of Polysomnograms Using the Somnolyzer System. <i>Sleep</i> , 2015, 38, 1555-1566.	0.6	58
31	Sepsis biomarkers in neutropaenic systemic inflammatory response syndrome patients on standard care wards. <i>European Journal of Clinical Investigation</i> , 2015, 45, 815-823.	1.7	15
32	The Effects of Aging on Sleep Architecture in Healthy Subjects. <i>Advances in Experimental Medicine and Biology</i> , 2015, 821, 93-100.	0.8	37
33	Direct Effect of Sunshine on Suicide. <i>JAMA Psychiatry</i> , 2014, 71, 1231.	6.0	117
34	A prediction tool for initial out-of-hospital cardiac arrest survivors. <i>Resuscitation</i> , 2014, 85, 1225-1231.	1.3	47
35	A Risk Prediction Model for Screening Bacteremic Patients: A Cross Sectional Study. <i>PLoS ONE</i> , 2014, 9, e106765.	1.1	20
36	In search of objective components for sleep quality indexing in normal sleep. <i>Biological Psychology</i> , 2013, 94, 210-220.	1.1	48

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37	On the Individuality of Sleep EEG Spectra. <i>Journal of Psychophysiology</i> , 2013, 27, 105-112.	0.3	10
38	Early Relaxation Dynamics in the LC 13 T Cell Receptor in Reaction to 172 Altered Peptide Ligands: A Molecular Dynamics Simulation Study. <i>PLoS ONE</i> , 2013, 8, e64464.	1.1	13
39	Orexin receptor antagonism: an ascending multiple-dose study with almorexant. <i>Journal of Psychopharmacology</i> , 2012, 26, 1071-1080.	2.0	65
40	Orexin Receptor Antagonism, a New Sleep-Enabling Paradigm: A Proof-of-Concept Clinical Trial. <i>Clinical Pharmacology and Therapeutics</i> , 2012, 91, 975-985.	2.3	119
41	Extracting more information from EEG recordings for a better description of sleep. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 108, 961-972.	2.6	13
42	Autonomic dysfunction in PD during sleep. <i>Movement Disorders</i> , 2012, 27, 454-454.	2.2	2
43	Computer-Assisted Sleep Classification according to the Standard of the American Academy of Sleep Medicine: Validation Study of the AASM Version of the Somnolyzer 24 Å– 7. <i>Neuropsychobiology</i> , 2010, 62, 250-264.	0.9	113
44	Interrater reliability for sleep scoring according to the Rechtschaffen & Kales and the new AASM standard. <i>Journal of Sleep Research</i> , 2009, 18, 74-84.	1.7	327
45	Sleep Classification According to AASM and Rechtschaffen & Kales: Effects on Sleep Scoring Parameters. <i>Sleep</i> , 2009, , .	0.6	1
46	Sleep Classification According to AASM and Rechtschaffen & Kales: Effects on Sleep Scoring Parameters. <i>Sleep</i> , 2009, 32, 139-149.	0.6	292
47	ADAPTIVE MACHINE LEARNING IN DELAYED FEEDBACK DOMAINS BY SELECTIVE RELEARNING. <i>Applied Artificial Intelligence</i> , 2008, 22, 543-557.	2.0	6
48	Neural Network Models for Conditional Distribution Under Bayesian Analysis. <i>Neural Computation</i> , 2008, 20, 504-522.	1.3	6
49	The MACS Project: An Approach to Affordance-Inspired Robot Control. , 2008, , 173-210.		5
50	Automatic sleep classification according to Rechtschaffen and Kales. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 3994-7.	0.5	14
51	Learning to perceive affordances in a framework of developmental embodied cognition. , 2007, , .		14
52	Applying the Yule-Nielsen equation with negative n. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006, 23, 1827.	0.8	13
53	Bayesian testing for non-linearity in volatility modeling. <i>Computational Statistics and Data Analysis</i> , 2006, 51, 2029-2042.	0.7	6
54	A comparison of Bayesian model selection based on MCMC with an application to GARCH-type models. <i>Statistical Papers</i> , 2006, 47, 525-549.	0.7	22

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55	Learning Predictive Features in Affordance based Robotic Perception Systems. , 2006, , .		26
56	Visual Learning of Affordance Based Cues. Lecture Notes in Computer Science, 2006, , 52-64.	1.0	15
57	Using ICA for removal of ocular artifacts in EEG recorded from blind subjects. Neural Networks, 2005, 18, 998-1005.	3.3	81
58	Percentile Reference Charts for Selected Sleep Parameters for 20- to 80-Year-Old Healthy Subjects from the SIESTA Database. Referenzkurven für ausgewählte Schlafparameter 20- bis 80-jähriger gesunder Personen aus der SIESTA-Datenbank. Somnologie, 2005, 9, 3-14.	0.9	61
59	A reliable probabilistic sleep stager based on a single EEG signal. Artificial Intelligence in Medicine, 2005, 33, 199-207.	3.8	119
60	An E-Health Solution for Automatic Sleep Classification according to Rechtschaffen and Kales: Validation Study of the Somnolyzer 24 A— 7 Utilizing the Siesta Database. Neuropsychobiology, 2005, 51, 115-133.	0.9	251
61	Analysis of nonlinear systems to estimate intraocular lens position after cataract surgery. Journal of Cataract and Refractive Surgery, 2004, 30, 863-866.	0.7	23
62	Implantation of the Corinthian IQ stent into the femoropopliteal arteries using 6-F introducer sheaths in antegrade and crossover procedures: midterm results. European Radiology, 2003, 13, 2535-2539.	2.3	0
63	The benefit of information reduction for trading strategies. Applied Economics, 2002, 34, 917-930.	1.2	9
64	An automatic, continuous and probabilistic sleep stager based on a hidden markov model. Applied Artificial Intelligence, 2002, 16, 199-207.	2.0	46
65	Continuous Unsupervised Sleep Staging Based on a Single EEG Signal. Lecture Notes in Computer Science, 2002, , 1013-1018.	1.0	2
66	Risk-neutral density extraction from option prices: improved pricing with mixture density networks. IEEE Transactions on Neural Networks, 2001, 12, 716-725.	4.8	26
67	Financial volatility trading using recurrent neural networks. IEEE Transactions on Neural Networks, 2001, 12, 865-874.	4.8	96
68	The Effect of Incentive Schemes and Organizational Arrangements on the New Product Development Process. Management Science, 2001, 47, 1029-1045.	2.4	45
69	Volatility Trading via Temporal Pattern Recognition in Quantised Financial Time Series. Pattern Analysis and Applications, 2001, 4, 283-299.	3.1	6
70	Predicting the Future of Discrete Sequences from Fractal Representations of the Past. Machine Learning, 2001, 45, 187-217.	3.4	45
71	Single Trial Estimation of Evoked Potentials Using Gaussian Mixture Models with Integrated Noise Component. Lecture Notes in Computer Science, 2001, , 609-616.	1.0	4
72	Forecasting time-dependent conditional densities: a semi non-parametric neural network approach. Journal of Forecasting, 2000, 19, 355-374.	1.6	37

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73	Artifact Processing in Computerized Analysis of Sleep EEG – A Review. <i>Neuropsychobiology</i> , 1999, 40, 150-157.	0.9	134
74	Quality control of polysomnographic sleep data by histogram and entropy analysis. <i>Clinical Neurophysiology</i> , 1999, 110, 2165-2170.	0.7	22
75	Neural networks for recognizing patterns in cardiocograms. <i>Artificial Intelligence in Medicine</i> , 1998, 12, 271-284.	3.8	35
76	Flexible features, connectionism, and computational learning theory. <i>Behavioral and Brain Sciences</i> , 1998, 21, 24-25.	0.4	1
77	An Artificial Neural Network-Based Noninvasive Detector for Suction and Left Atrium Pressure in the Control of Rotary Blood Pumps: An In Vitro Study. <i>Artificial Organs</i> , 1995, 19, 719-724.	1.0	18
78	Formal neural network specification and its implications on standardization. <i>Computer Standards and Interfaces</i> , 1994, 16, 205-219.	3.8	4
79	On using feedforward neural networks for clinical diagnostic tasks. <i>Artificial Intelligence in Medicine</i> , 1994, 6, 417-435.	3.8	31
80	UNIFIED FRAMEWORK FOR MLPs AND RBFNs: INTRODUCING CONIC SECTION FUNCTION NETWORKS. <i>Cybernetics and Systems</i> , 1994, 25, 511-554.	1.6	49
81	HOW CONNECTIONISM CAN CHANGE AI AND THE WAY WE THINK ABOUT OURSELVES. <i>Applied Artificial Intelligence</i> , 1993, 7, 59-85.	2.0	2
82	Connectionism and syntactic binding of concepts. <i>Behavioral and Brain Sciences</i> , 1993, 16, 456-457.	0.4	0
83	EuclidNet - A Multilayer Neural Network using the Euclidian Distance as Propagation Rule. , 1992, , 1633-1636.		4
84	REPLACING SYMBOLIC RULE SYSTEMS WITH PDP NETWORKS Netzsprach: A German Example. <i>Applied Artificial Intelligence</i> , 1989, 3, 45-67.	2.0	5