

# Stefan Harrer

## List of Publications by Year in descending order

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43  
papers

1,672  
citations

471509

17  
h-index

477307

29  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2037  
citing authors

#	ARTICLE	IF	CITATIONS
1	From wearables to THINKables: artificial intelligence-enabled sensors for health monitoring. , 2021, , 339-356.		2
2	Evaluation of artificial intelligence systems for assisting neurologists with fast and accurate annotations of scalp electroencephalography data. EBioMedicine, 2021, 66, 103275.	6.1	15
3	Towards Automated and Marker-less Parkinson Disease Assessment: Predicting UPDRS Scores using Sit-stand videos. , 2021, , .		8
4	Seizure detection using wearable sensors and machine learning: Setting a benchmark. Epilepsia, 2021, 62, 1807-1819.	5.1	56
5	Preictal onset detection through unsupervised clustering for epileptic seizure prediction. , 2021, , .		2
6	Features importance in seizure classification using scalp EEG reduced to single timeseries. , 2021, 2021, 329-332.		2
7	Evaluation of Combined Artificial Intelligence and Radiologist Assessment to Interpret Screening Mammograms. JAMA Network Open, 2020, 3, e200265.	5.9	236
8	SeizureNet: Multi-Spectral Deep Feature Learning for Seizure Type Classification. Lecture Notes in Computer Science, 2020, , 77-87.	1.3	35
9	Artificial Intelligence for Clinical Trial Design. Trends in Pharmacological Sciences, 2019, 40, 577-591.	8.7	288
10	Densely Supervised Grasp Detector (DSGD). Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8085-8093.	4.9	25
11	ChronoNet: A Deep Recurrent Neural Network for Abnormal EEG Identification. Lecture Notes in Computer Science, 2019, , 47-56.	1.3	77
12	A Neuroethics Framework for the Australian Brain Initiative. Neuron, 2019, 101, 365-369.	8.1	11
13	A new promising way for tackling the "Pharma Dilemma": artificial intelligence for clinical trials. Biochemist, 2019, 41, 10-14.	0.5	2
14	Epileptic Seizure Prediction Using Big Data and Deep Learning: Toward a Mobile System. EBioMedicine, 2018, 27, 103-111.	6.1	201
15	A Robust Low-Cost EEG Motor Imagery-Based Brain-Computer Interface. , 2018, 2018, 5089-5092.		22
16	Deep Learning Enabled Automatic Abnormal EEG Identification. , 2018, 2018, 2756-2759.		33
17	GraspNet: An Efficient Convolutional Neural Network for Real-time Grasp Detection for Low-powered Devices. , 2018, , .		69
18	TrueNorth-enabled real-time classification of EEG data for brain-computer interfacing. , 2017, 2017, 1648-1651.		3

#	ARTICLE	IF	CITATIONS
19	Decoding EEG and LFP signals using deep learning. , 2016, , .		52
20	Measuring life: sensors and analytics for precision medicine. Proceedings of SPIE, 2015, , .	0.8	7
21	Label-free screening of single biomolecules through resistive pulse sensing technology for precision medicine applications. Nanotechnology, 2015, 26, 182502.	2.6	17
22	Sensing of protein molecules through nanopores: a molecular dynamics study. Nanotechnology, 2014, 25, 155502.	2.6	24
23	Geometric dependence of the conductance drop in a nanopore due to a particle. Physical Review E, 2014, 89, 042702.	2.1	19
24	Regulating the Transport of DNA through Biofriendly Nanochannels in a Thin Solid Membrane. Scientific Reports, 2014, 4, 3985.	3.3	40
25	Nanosensors for next generation drug screening. Proceedings of SPIE, 2013, , .	0.8	2
26	Dynamics of DNA translocation in a solid-state nanopore immersed in aqueous glycerol. Nanotechnology, 2012, 23, 455102.	2.6	33
27	(Invited) DNA-Translocation through a Solid-State Nanopore Coated with a Functionally Switchable Self-Assembled Monolayer. ECS Meeting Abstracts, 2012, , .	0.0	1
28	Patterning Poly(3-Hexylthiophene) in the Sub-50-nm Region by Nanoimprint Lithography. IEEE Nanotechnology Magazine, 2011, 10, 482-488.	2.0	9
29	Electrochemical protection of thin film electrodes in solid state nanopores. Nanotechnology, 2011, 22, 275304.	2.6	22
30	Fabrication of dual damascene BEOL structures using a multilevel multiple exposure (MLME) scheme, part 1: lithographic patterning. , 2010, , .		0
31	Fabrication of dual damascene BEOL structures using a multilevel multiple exposure (MLME) scheme, part 2: RIE-based pattern transfer and completion of dual damascene process yielding an electrically functional via chain. Proceedings of SPIE, 2010, , .	0.8	1
32	Tribological Effects on DNA Translocation in a Nanochannel Coated with a Self-Assembled Monolayer. Journal of Physical Chemistry B, 2010, 114, 17172-17176.	2.6	24
33	Electrochemical Characterization of Thin Film Electrodes Toward Developing a DNA Transistor. Langmuir, 2010, 26, 19191-19198.	3.5	21
34	Simple and Versatile Methods To Integrate Directed Self-Assembly with Optical Lithography Using a Polarity-Switched Photoresist. ACS Nano, 2010, 4, 4815-4823.	14.6	231
35	Planar Nanogap Electrodes by Direct Nanotransfer Printing. Small, 2009, 5, 579-582.	10.0	25
36	Technology Assessment of a Novel High-Yield Lithographic Technique for Sub-15-nm Direct Nanotransfer Printing of Nanogap Electrodes. IEEE Nanotechnology Magazine, 2009, 8, 662-670.	2.0	9

#	ARTICLE	IF	CITATIONS
37	Source optimization for three-dimensional image designs through film stacks. , 2009, , .		1
38	Room Temperature Nanoimprint Lithography Using Molds Fabricated by Molecular Beam Epitaxy. IEEE Nanotechnology Magazine, 2008, 7, 363-370.	2.0	27
39	Deposition of PdAu Thin Films Sectioned by Sub-15-Nm Gaps on Silicon Using Direct Nanotransfer Printing. , 2008, , .		1
40	Advances in Nanoimprint Lithography. , 2007, , .		9
41	Nanoimprint Lithography for Optical Components. , 2007, , .		3
42	Pattern Generation by Using Multistep Room-Temperature Nanoimprint Lithography. IEEE Nanotechnology Magazine, 2007, 6, 639-644.	2.0	5
43	Pattern Transfer Process Using Innovative Polymers in Combined Thermal and UV Nanoimprint Lithography (TUV-NIL). Materials Research Society Symposia Proceedings, 2007, 1002, 1.	0.1	2