

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	Artificial Intelligence for Clinical Trial Design. Trends in Pharmacological Sciences, 2019, 40, 577-591.	8.7	288
2	Evaluation of Combined Artificial Intelligence and Radiologist Assessment to Interpret Screening Mammograms. JAMA Network Open, 2020, 3, e200265.	5.9	236
3	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
4	Epileptic Seizure Prediction Using Big Data and Deep Learning: Toward a Mobile System. EBioMedicine, 2018, 27, 103-111.	6.1	201
5	ChronoNet: A Deep Recurrent Neural Network for Abnormal EEG Identification. Lecture Notes in Computer Science, 2019, , 47-56.	1.3	77
6	GraspNet: An Efficient Convolutional Neural Network for Real-time Grasp Detection for Low-powered Devices. , 2018, , .		69
7	Seizure detection using wearable sensors and machine learning: Setting a benchmark. Epilepsia, 2021, 62, 1807-1819.	5.1	56
8	Decoding EEG and LFP signals using deep learning. , 2016, , .		52
9	Regulating the Transport of DNA through Biofriendly Nanochannels in a Thin Solid Membrane. Scientific Reports, 2014, 4, 3985.	3.3	40
10	SeizureNet: Multi-Spectral Deep Feature Learning for Seizure Type Classification. Lecture Notes in Computer Science, 2020, , 77-87.	1.3	35
11	Dynamics of DNA translocation in a solid-state nanopore immersed in aqueous glycerol. Nanotechnology, 2012, 23, 455102.	2.6	33
12	Deep Learning Enabled Automatic Abnormal EEG Identification. , 2018, 2018, 2756-2759.		33
13	Room Temperature Nanoimprint Lithography Using Molds Fabricated by Molecular Beam Epitaxy. IEEE Nanotechnology Magazine, 2008, 7, 363-370.	2.0	27
14	Planar Nanogap Electrodes by Direct Nanotransfer Printing. Small, 2009, 5, 579-582.	10.0	25
15	Densely Supervised Grasp Detector (DSGD). Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8085-8093.	4.9	25
16	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
17	Sensing of protein molecules through nanopores: a molecular dynamics study. Nanotechnology, 2014, 25, 155502.	2.6	24
18	Electrochemical protection of thin film electrodes in solid state nanopores. Nanotechnology, 2011, 22, 275304.	2.6	22

#	ARTICLE	IF	CITATIONS
19	A Robust Low-Cost EEG Motor Imagery-Based Brain-Computer Interface. , 2018, 2018, 5089-5092.		22
20	Electrochemical Characterization of Thin Film Electrodes Toward Developing a DNA Transistor. Langmuir, 2010, 26, 19191-19198.	3.5	21
21	Geometric dependence of the conductance drop in a nanopore due to a particle. Physical Review E, 2014, 89, 042702.	2.1	19
22	Label-free screening of single biomolecules through resistive pulse sensing technology for precision medicine applications. Nanotechnology, 2015, 26, 182502.	2.6	17
23	Evaluation of artificial intelligence systems for assisting neurologists with fast and accurate annotations of scalp electroencephalography data. EBioMedicine, 2021, 66, 103275.	6.1	15
24	A Neuroethics Framework for the Australian Brain Initiative. Neuron, 2019, 101, 365-369.	8.1	11
25	Advances in Nanoimprint Lithography. , 2007, , .		9
26	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
27	Patterning Poly(3-Hexylthiophene) in the Sub-50-nm Region by Nanoimprint Lithography. IEEE Nanotechnology Magazine, 2011, 10, 482-488.	2.0	9
28	Towards Automated and Marker-less Parkinson Disease Assessment: Predicting UPDRS Scores using Sit-stand videos. , 2021, , .		8
29	Measuring life: sensors and analytics for precision medicine. Proceedings of SPIE, 2015, , .	0.8	7
30	Pattern Generation by Using Multistep Room-Temperature Nanoimprint Lithography. IEEE Nanotechnology Magazine, 2007, 6, 639-644.	2.0	5
31	Nanoimprint Lithography for Optical Components. , 2007, , .		3
32	TrueNorth-enabled real-time classification of EEG data for brain-computer interfacing. , 2017, 2017, 1648-1651.		3
33	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
34	Nanosensors for next generation drug screening. Proceedings of SPIE, 2013, , .	0.8	2
35	From wearables to THINKables: artificial intelligence-enabled sensors for health monitoring. , 2021, , 339-356.		2
36	A new promising way for tackling the "Pharma Dilemma": artificial intelligence for clinical trials. Biochemist, 2019, 41, 10-14.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Preictal onset detection through unsupervised clustering for epileptic seizure prediction. , 2021, , .		2
38	Features importance in seizure classification using scalp EEG reduced to single timeseries. , 2021, 2021, 329-332.		2
39	Deposition of PdAu Thin Films Sectioned by Sub-15-Nm Gaps on Silicon Using Direct Nanotransfer Printing. , 2008, , .		1
40	Source optimization for three-dimensional image designs through film stacks. , 2009, , .		1
41	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
42	(Invited) DNA-Translocation through a Solid-State Nanopore Coated with a Functionally Switchable Self-Assembled Monolayer. ECS Meeting Abstracts, 2012, , .	0.0	1
43	Fabrication of dual damascene BEOL structures using a multilevel multiple exposure (MLME) scheme, part 1: lithographic patterning. , 2010, , .		0