Kenneth P Camilleri

List of Publications by Year
in descending order

59 papers	1,965 citations	566801 15 h-index	395343 33 g-index
61 all docs	61 docs citations	61 times ranked	2414 citing authors

#	Article	IF	Citations
1	Exploiting EEG-extracted Eye Movements for a Hybrid SSVEP Home Automation System. , 2022, , .		0
2	Idle State Detection with an Autoregressive Multiple Model Probabilistic Framework in SSVEP-Based Brain-Computer Interfaces. Communications in Computer and Information Science, 2021, , 263-288.	0.4	0
3	Improving Super-Resolution Performance Using Meta-Attention Layers. IEEE Signal Processing Letters, 2021, 28, 2082-2086.	2.1	8
4	Editorial: Music and AI. Frontiers in Artificial Intelligence, 2021, 4, 651446.	2.0	0
5	Modelling of Blink-Related Eyelid-Induced Shunting on the Electrooculogram. , 2021, , .		1
6	TEMoD: Target-Enabled Model-Based De-Drifting of the EOG Signal Baseline using a Battery Model of the Eye. , 2021, 2021, 562-565.		1
7	SAT: A Switch-And-Train Framework for Real-Time Training of SSVEP-based BCIs[*]. , 2021, 2021, 959-962.		0
8	Digital orbitoplethysmograph: A new device to study the regional cerebral circulation using extraorbital plethysmography. Journal of Neuroscience Methods, 2020, 329, 108459.	1.3	1
9	A multi-segment modelling approach for foot trajectory estimation using inertial sensors. Gait and Posture, 2020, 75, 22-27.	0.6	2
10	A comparison of EOG baseline drift mitigation techniques. Biomedical Signal Processing and Control, 2020, 57, 101738.	3.5	24
11	Bimodal Automated Carotid Ultrasound Segmentation Using Geometrically Constrained Deep Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1004-1015.	3.9	21
12	A review of foot pose and trajectory estimation methods using inertial and auxiliary sensors for kinematic gait analysis. Biomedizinische Technik, 2020, 65, 653-671.	0.9	2
13	An Autoregressive Multiple Model Probabilistic Framework for the Detection of SSVEPs in Brain-Computer Interfaces. , 2020, , .		1
14	Phonologically-Meaningful Subunits for Deep Learning-Based Sign Language Recognition. Lecture Notes in Computer Science, 2020, , 199-217.	1.0	8
15	Towards Accurate Browser-based SSVEP Stimuli Generation. , 2020, , .		1
16	A systematic review investigating the relationship of electroencephalography and magnetoencephalography measurements with sensorimotor upper limb impairments after stroke. Journal of Neuroscience Methods, 2019, 311, 318-330.	1.3	15
17	Sign Language Detection â€œin the Wildâ€•with Recurrent Neural Networks. , 2019, , .		17
18	The effect of distractors on SSVEP-based brain-computer interfaces. Biomedical Physics and Engineering Express, 2019, 5, 035031.	0.6	8

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19	EOG-Based Gaze Angle Estimation Using a Battery Model of the Eye. , 2019, 2019, 6918-6921.		6
20	Sketch-based interaction and modeling: where do we stand?. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2019, 33, 370-388.	0.7	17
21	Gaze Tracking by Joint Head and Eye Pose Estimation Under Free Head Movement. , 2019, , .		0
22	EOG-based eye movement detection and gaze estimation for an asynchronous virtual keyboard. Biomedical Signal Processing and Control, 2019, 47, 159-167.	3.5	22
23	The identification of higher forefoot temperatures associated with peripheral arterial disease in type 2 diabetes mellitus as detected by thermography. Primary Care Diabetes, 2018, 12, 312-318.	0.9	14
24	Where to put the image in an image caption generator. Natural Language Engineering, 2018, 24, 467-489.	2.1	74
25	Automated Region Extraction from Thermal Images for Peripheral Vascular Disease Monitoring. Journal of Healthcare Engineering, 2018, 2018, 1-14.	1.1	14
26	A comparison of a broad range of EEG acquisition devices â€" is there any difference for SSVEP BCIs?. Brain-Computer Interfaces, 2018, 5, 121-131.	0.9	13
27	Establishing Differences in Thermographic Patterns between the Various Complications in Diabetic Foot Disease. International Journal of Endocrinology, 2018, 2018, 1-7.	0.6	34
28	To train or not to train? A survey on training of feature extraction methods for SSVEP-based BCIs. Journal of Neural Engineering, 2018, 15, 051001.	1.8	109
29	Reducing the training time for the SSVEP-based music player application. Biomedical Physics and Engineering Express, 2017, 3, 034001.	0.6	2
30	EEG-based biometry using steady state visual evoked potentials. , 2017, 2017, 4159-4162.		7
31	Steady-State Visual Evoked Potentials for EEG-Based Biometric Identification. , 2017, , .		20
32	Phase-based SSVEPs for real-time control of a motorised bed. , 2017, 2017, 2080-2084.		0
33	Model-free non-rigid head pose tracking by joint shape and pose estimation. Machine Vision and Applications, 2016, 27, 1229-1242.	1.7	4
34	Model-based head pose-free gaze estimation for assistive communication. Computer Vision and Image Understanding, 2016, 149, 157-170.	3.0	20
35	Thermographic Patterns of the Upper and Lower Limbs: Baseline Data. International Journal of Vascular Medicine, 2015, 2015, 1-9.	0.4	72
36	Semi-supervised segmentation of EEG data in BCI systems. , 2015, 2015, 7845-8.		3

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37	Segmentation and Labelling of EEG for Brain Computer Interfaces. Lecture Notes in Computer Science, 2015, , 288-299.	1.0	1
38	Phase Variants of the Common Spatial Patterns Method. Neuromethods, 2014, , 249-265.	0.2	0
39	Automatic detection of spindles and K-complexes in sleep EEG using switching multiple models. Biomedical Signal Processing and Control, 2014, 10, 117-127.	3.5	37
40	A constrained genetic algorithm for line labelling of line drawings with shadows and table-lines. Computers and Graphics, 2013, 37, 302-315.	1.4	1
41	Comparison of plain and checkerboard stimuli for brain computer interfaces based on steady state visual evoked potentials. , 2013, , .		7
42	Investigating linear superposition of multi-species neurotransmitter voltammetric measurements in-vitro. , 2012, 2012, 3527-30.		1
43	The analytic common spatial patterns method for EEG-based BCI data. Journal of Neural Engineering, 2012, 9, 045009.	1.8	36
44	Performance improvement of segmentation-based depth representation in 3D imagery by region merging. , 2012, , .		1
45	Efficient multiview depth representation based on image segmentation. , 2012, , .		4
46	Switching Multiple Models for the Segmentation of Sleep EEG Data. , 2012, , .		0
47	Phase Synchronization Features and Common Spatial Patterns for the Classification of Motor Imagery Data. , 2012, , .		0
48	Order Estimation of Multivariate ARMA Models. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 494-503.	7.3	24
49	A decision support framework for the discrimination of children with controlled epilepsy based on EEG analysis. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 24.	2.4	6
50	Scribble Vectorization Using Concentric Sampling Circles. , 2009, , .		4
51	Order Estimation of Computational Models for Dynamic Systems with Application to Biomedical Signals. , 2009, , .		3
52	An Algorithm for Brain Computer Interfacing Based on Phase Synchronization Spatial Patterns. , 2009, , .		1
53	Review on solving the inverse problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 25.	2.4	865
54	Parametric and Nonparametric EEG Analysis for the Evaluation of EEG Activity in Young Children with Controlled Epilepsy. Computational Intelligence and Neuroscience, 2008, 2008, 1-15.	1.1	15

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55	The Cyborg Astrobiologist: porting from a wearable computer to the Astrobiology Phone-cam. International Journal of Astrobiology, 2007, 6, 255-261.	0.9	3
56	A sketching alphabet for paper-based collaborative design. Journal of Design Research, 2007, 6, 260.	0.1	2
57	The independent components of auditory P300 and CNV evoked potentials derived from single-trial recordings. Physiological Measurement, 2007, 28, 745-771.	1.2	22
58	Review on solving the forward problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2007, 4, 46.	2.4	388
59	Comparative Performance Analysis of a Commercial Wearable EOG Glasses for an Asynchronous Virtual Keyboard. , 0, , .		3