

# Kenneth P Camilleri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4745242/publications.pdf>

Version: 2024-02-01

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  | Review on solving the inverse problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 25.  | 2.4 | 865       |
| 2  | Review on solving the forward problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2007, 4, 46.  | 2.4 | 388       |
| 3  | 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       |
| 4  | Where to put the image in an image caption generator. Natural Language Engineering, 2018, 24, 467-489.  | 2.1 | 74        |
| 5  | Thermographic Patterns of the Upper and Lower Limbs: Baseline Data. International Journal of Vascular Medicine, 2015, 2015, 1-9.  | 0.4 | 72        |
| 6  | 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        |
| 7  | The analytic common spatial patterns method for EEG-based BCI data. Journal of Neural Engineering, 2012, 9, 045009.   | 1.8 | 36        |
| 8  | Establishing Differences in Thermographic Patterns between the Various Complications in Diabetic Foot Disease. International Journal of Endocrinology, 2018, 2018, 1-7.                 | 0.6 | 34        |
| 9  | Order Estimation of Multivariate ARMA Models. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 494-503.   | 7.3 | 24        |
| 10 | A comparison of EOG baseline drift mitigation techniques. Biomedical Signal Processing and Control, 2020, 57, 101738.   | 3.5 | 24        |
| 11 | The independent components of auditory P300 and CNV evoked potentials derived from single-trial recordings. Physiological Measurement, 2007, 28, 745-771.                               | 1.2 | 22        |
| 12 | 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        |
| 13 | 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        |
| 14 | Model-based head pose-free gaze estimation for assistive communication. Computer Vision and Image Understanding, 2016, 149, 157-170.  | 3.0 | 20        |
| 15 | Steady-State Visual Evoked Potentials for EEG-Based Biometric Identification. , 2017, , .   |     | 20        |
| 16 | Sign Language Detection in the Wild with Recurrent Neural Networks. , 2019, , .   |     | 17        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A systematic review investigating the relationship of electroencephalography and magnetoencephalography measurements with sensorimotor upper limb impairments after stroke. <i>Journal of Neuroscience Methods</i> , 2019, 311, 318-330. | 1.3 | 15        |
| 20 | The identification of higher forefoot temperatures associated with peripheral arterial disease in type 2 diabetes mellitus as detected by thermography. <i>Primary Care Diabetes</i> , 2018, 12, 312-318.                                | 0.9 | 14        |
| 21 | Automated Region Extraction from Thermal Images for Peripheral Vascular Disease Monitoring. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-14.   | 1.1 | 14        |
| 22 | A comparison of a broad range of EEG acquisition devices “ is there any difference for SSVEP BCIs?. <i>Brain-Computer Interfaces</i> , 2018, 5, 121-131.   | 0.9 | 13        |
| 23 | The effect of distractors on SSVEP-based brain-computer interfaces. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 035031.   | 0.6 | 8         |
| 24 | Improving Super-Resolution Performance Using Meta-Attention Layers. <i>IEEE Signal Processing Letters</i> , 2021, 28, 2082-2086.   | 2.1 | 8         |
| 25 | Phonologically-Meaningful Subunits for Deep Learning-Based Sign Language Recognition. <i>Lecture Notes in Computer Science</i> , 2020, , 199-217.  | 1.0 | 8         |
| 26 | Comparison of plain and checkerboard stimuli for brain computer interfaces based on steady state visual evoked potentials. , 2013, , .   |     | 7         |
| 27 | EEG-based biometry using steady state visual evoked potentials. , 2017, 2017, 4159-4162.   |     | 7         |
| 28 | A decision support framework for the discrimination of children with controlled epilepsy based on EEG analysis. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010, 7, 24.   | 2.4 | 6         |
| 29 | EOG-Based Gaze Angle Estimation Using a Battery Model of the Eye. , 2019, 2019, 6918-6921.   |     | 6         |
| 30 | Scribble Vectorization Using Concentric Sampling Circles. , 2009, , .  |     | 4         |
| 31 | Efficient multiview depth representation based on image segmentation. , 2012, , .  |     | 4         |
| 32 | Model-free non-rigid head pose tracking by joint shape and pose estimation. <i>Machine Vision and Applications</i> , 2016, 27, 1229-1242.  | 1.7 | 4         |
| 33 | The Cyborg Astrobiologist: porting from a wearable computer to the Astrobiology Phone-cam. <i>International Journal of Astrobiology</i> , 2007, 6, 255-261.  | 0.9 | 3         |
| 34 | Order Estimation of Computational Models for Dynamic Systems with Application to Biomedical Signals. , 2009, , .   |     | 3         |
| 35 | Semi-supervised segmentation of EEG data in BCI systems. , 2015, 2015, 7845-8.   |     | 3         |
| 36 | Comparative Performance Analysis of a Commercial Wearable EOG Glasses for an Asynchronous Virtual Keyboard. , 0, , .   |     | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | A sketching alphabet for paper-based collaborative design. Journal of Design Research, 2007, 6, 260.  | 0.1 | 2         |
| 38 | Reducing the training time for the SSVEP-based music player application. Biomedical Physics and Engineering Express, 2017, 3, 034001.   | 0.6 | 2         |
| 39 | A multi-segment modelling approach for foot trajectory estimation using inertial sensors. Gait and Posture, 2020, 75, 22-27.  | 0.6 | 2         |
| 40 | 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         |
| 41 | An Algorithm for Brain Computer Interfacing Based on Phase Synchronization Spatial Patterns. , 2009, , .  |     | 1         |
| 42 | Investigating linear superposition of multi-species neurotransmitter voltammetric measurements in-vitro. , 2012, 2012, 3527-30.   |     | 1         |
| 43 | Performance improvement of segmentation-based depth representation in 3D imagery by region merging. , 2012, , .   |     | 1         |
| 44 | 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         |
| 45 | Segmentation and Labelling of EEG for Brain Computer Interfaces. Lecture Notes in Computer Science, 2015, , 288-299.  | 1.0 | 1         |
| 46 | Digital orbitoplethysmograph: A new device to study the regional cerebral circulation using extraorbital plethysmography. Journal of Neuroscience Methods, 2020, 329, 108459.                     | 1.3 | 1         |
| 47 | Modelling of Blink-Related Eyelid-Induced Shunting on the Electrooculogram. , 2021, , .   |     | 1         |
| 48 | An Autoregressive Multiple Model Probabilistic Framework for the Detection of SSVEPs in Brain-Computer Interfaces. , 2020, , .  |     | 1         |
| 49 | Towards Accurate Browser-based SSVEP Stimuli Generation. , 2020, , .  |     | 1         |
| 50 | TEMoD: Target-Enabled Model-Based De-Drifting of the EOG Signal Baseline using a Battery Model of the Eye. , 2021, 2021, 562-565.   |     | 1         |
| 51 | Phase Variants of the Common Spatial Patterns Method. Neuromethods, 2014, , 249-265.  | 0.2 | 0         |
| 52 | Phase-based SSVEPs for real-time control of a motorised bed. , 2017, 2017, 2080-2084.   |     | 0         |
| 53 | Gaze Tracking by Joint Head and Eye Pose Estimation Under Free Head Movement. , 2019, , .   |     | 0         |
| 54 | 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         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Editorial: Music and AI. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 651446.                              | 2.0 | 0         |
| 56 | Switching Multiple Models for the Segmentation of Sleep EEG Data. , 2012, , .  |     | 0         |
| 57 | Phase Synchronization Features and Common Spatial Patterns for the Classification of Motor Imagery Data. , 2012, , . |     | 0         |
| 58 | Exploiting EEG-extracted Eye Movements for a Hybrid SSVEP Home Automation System. , 2022, , .                        |     | 0         |
| 59 | SAT: A Switch-And-Train Framework for Real-Time Training of SSVEP-based BCIs <sup>*</sup> . , 2021, 2021, 959-962.   |     | 0         |