Prof. CAMILLO PORCARO, PhD
Curriculum Vitae

Office address:	KU Leuven, Department of Human Kinesiology, Movement Control & Neuroplasticity Group, Leuven, Belgium.
Current Position:	Visiting Professor **E-mail:** camillo.porcaro@kuleuven.be

http://www.bindgroup.eu/index.php/camillo-porcaro/
http://www.kuleuven.be/wieiswie/en/person/00109412

Office address:	Birmingham University Imaging Centre (BUIC), Birmingham University, Birmingham, UK
Current Position:	Honorary Senior Research Fellow **E-mail:** c.porcaro@bham.ac.uk

http://www.birmingham.ac.uk/schools/psychology/people/profile.aspx?ReferenceId=129283

Office address:	Institute of Cognitive Sciences and Technologies (ISTC) – National Research Council (CNR), Via Palestro 32, 00185, Rome, Italy

Office Phone: +39 064436 2370 int. 0
Mobile Phone: +39 3398171902

Current Position:	Senior Researcher

E-mail (preferred): camillo.porcaro@istc.cnr.it

http://www.istc.cnr.it/it/people/camillo-porcaro

Personal website	• http://scholar.google.com/citations?user=vdDvmj0AAAAJ&hl=en • https://orcid.org/0000-0003-4847-163X • https://www.researchgate.net/profile/Camillo_Porcaro

Employment History

January 2017 – present

Honorary Senior Research Fellow, School of Psychology, Birmingham University Imaging Centre (BUIC), Birmingham, UK.

June 2016 – present

Visiting Professor at KU Leuven, Department of Human Kinesiology, Movement Control & Neuroplasticity Research Group, Leuven, Belgium.

September 2016 – December 2016

Adjunct Professor at Department of Information Engineering - Università Politecnica delle Marche, Ancona, IT-60131 Italy. Master course in Biomedical Engineering. Teaching course - Bio-imaging and Brain Research.

September 2015 – December 2015

Adjunct Professor at Department of Information Engineering - Università Politecnica delle Marche, Ancona, IT-60131 Italy. Master course in Biomedical Engineering. Teaching course - Bio-imaging and Brain Research.

June 2014 – September 2015
Visiting Professor, Neural Control of Movement Lab Department of Health Sciences and Technology ETH Zurich, Switzerland.

July 2013 – Present
Visiting Research Fellow, Institute of Neuroscience, Newcastle University, Medical School, Framlington Place, Newcastle upon Tyne, NE2 4HH, UK.

January 2012 – Present
Independent Researcher, Institute of Cognitive Sciences and Technologies (ISTC) – National Research Council (CNR), Rome, Italy.

January 2011 – December 2011
Post-Doc - Independent Research Fellow, Institute of Neuroscience, Newcastle University, Medical School, Framlington Place, Newcastle upon Tyne, NE2 4HH, UK.

March 2008 – December 2010
Post-Doc - Research Fellow, School of Psychology, Birmingham University, Birmingham, UK. *"Development of Single Trial EEG-fMRI: Investigations of Dynamic Brain Function at High Temporal and Spatial Resolution"*

April 2007 - March 2008
Research Fellow, Institute for Advanced Biomedical Technologies (ITAB), University of Chieti, Italy. *"EEG/MEG Signal analysis during sleep in healthy subjects and patients".*

May - August 2007 - Visiting Research Fellow, Aston University, Birmingham UK. Title of collaboration *'Evaluation of the performance of linear and non-linear measures of connectivity in bioelectric signals'.*

May - August 2006 – Visiting Research Fellow, Aston University, Birmingham UK. Title of collaboration *'Functional Source Separation applied to induced visual gamma activity'.*

July 2004 – March 2007
Research Fellow, AFaR (Association for Research Fatebenefratelli) Center of Medical Statistics and IT, Rome, Italy. Neuroscience Department. Title of research: *"Source extraction from Magnetoencephalographic (MEG) recordings to find maturation cortical index".*

Academic History

2004-2008   Ph.D, *"Functional Neuroimaging: from cells to systems".* Institute for Advanced Biomedical Technologies (ITAB), Chieti University, Italy (**with honours**). *"Development of Tools to Estimate Functional Connectivity among Cerebral Sensorimotor Sources".*

2001-2004   Master II Level, *"Bank, Insurance and Finance Management".* Faculty of Economics of the University of Rome "La Sapienza", Italy. *"Applying Independent Component Analysis to Factor Model in Finance".*

1995-2001   Ms Computer Science, Faculty of Science, Mathematics, Physics and Natural of the University of Rome "La Sapienza", Italy. In collaboration with ISTC-National Research Council (CNR) at the Fatebenefratelli Hospital (Isola Tiberina, Rome, Italy). Dissertation in: *Coherence analysis of bio-electrical signals*.

Academic Appointments

From 30/03/2017 to 30/03/2023
Habilitation for associate professor in Bioengineering (09/G2) at the Italian national level.

Main Research Interests

- ➢ Neural source identification from electrophysiological non-invasive recordings;
- ➢ Cerebral sensorimotor cortical function;
- ➢ MEG-EEG/fMRI Integration;
- ➢ Logical Reasoning and Neuroscience;
- ➢ Brain Machine Interface -BMI

- ➢ Language: Overt Speech Production
- ➢ Human brain imaging;
- ➢ Functional Connectivity by MultiVariate AutoRegressive Model (MVAR);
- ➢ Fetal Magnetocardiography and Fetal Magnetoencephalography;

I am currently involved in planning, organising and running experiments with different neuroimaging techniques, such as EEG/MEG, fMRI and concurrent EEG/fMRI. As evidenced by my publications and actual and previous positions, I have developed strong collaborations with *Italian*, *German*, *Dutch*, *Belgian*, *Swiss* and *English* scientists, in various universities and research facilities. The individuals and project areas include:

Italy: **Dr. Tecchio, Dr. Salustri,** Laboratory of Electrophysiology for Translational neuroScience (LET'S)-ISTC-National Research Council CNR (Functional Source Separation, sensorimotor control, fatigue);

Prof. Pierelli, Dr. Coppola, University of Rome Sapienza (cortico-subcortical networks, Migraines);

Dr. Di Lorenzo, Prof. Siracusano, Department of Neuroscience University of Rome Tor Vergata (Low and High Frequency Oscillations);

Prof. Abrusci, Prof Casadio, Philosophy Department, University 'Roma Tre' (Logic Reasoning);

Prof. Rossini, Dr. Tombini, **Dr. Di Pino** Clinical Neurology and Biomedical Robotics and Biomicrosystems Lab., Campus BioMedico of Rome University (Robotic Hand Control);

Prof. Romani, Prof. Pizzella, Dr. Zappasodi, Department of Neuroscience and Imaging, University of Chieti-Pescara (Time-frequency analysis, Independent Component Analysis ICA, MEG, EEG, foetal MEG);

Germany: **Dr. Oswald**, Department of Neurology and Bernstein Centre for Computational Neuroscience, Charité, Berlin, Germany (Information theory);

Dutch: **Dr. Hadjipapas**, Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen (visual induced gamma and evoked activity);

Prof. Meyer, Netherlands Max Planck Institute for Psycholinguistics, Nijmegen (Overt Speech Production, EEG);

Belgian: **Prof. Mantini,** KU Leuven, Department of Human Kinesiology, Movement Control & Neuroplasticity Group, Leuven (Detecting large-scale networks in the human brain using high-density electroencephalography);

Switzerland: **Prof. Wenderoth,** Neural Control of Movement Lab Department of Health Sciences and Technology ETH Zurich, Switzerland (Brain Computer Interface (BCI), Detecting large-scale networks in the human brain using high-density electroencephalography and Aging);

Dr. Balsters, Neural Control of Movement Lab Department of Health Sciences and Technology ETH Zurich, Switzerland **(**aging**,** EEG-fMRI Integration);

UK: **Prof. Seri,** School of Life and Health Sciences, Aston University (Contradictory Reasoning, EEG, MEG);

Dr. Bagshaw, Dr. Mayhew, Dr. Krott, Dr. Rotshtein, Prof. Mazaheri, School of Psychology and Birmingham University Imaging Centre, University of Birmingham (Logic Reasoning, Overt Speech Production, Development of Single Trial Analysis Tools, fMRI, EEG, concurrent EEG-fMRI);

Prof. Mazaheri, School of Psychology and Birmingham University Imaging Centre, University of Birmingham (How neural fluctuations (quantified using EEG) prior to the onset of an event can bias perception and ultimately behaviour)

Dr. Barnes, Wellcome Trust Centre for Neuroimaging, UCL, London (static and dynamic visual stimulation, MEG and EEG).

Invited Lectures

2015 National MS Center, Melsbroek, Brussels, Belgium**.** *'M/EEG and simultaneous EEG-fMRI empowered by Functional Source Separation to personalize interventions against Multiple Sclerosis fatigue'*

2015 Department of Health Sciences and Technology Institute of Robotics and Intelligent Systems Rehabilitation Engineering Laboratory, ETH, Zurich, Switzerland. *'MEG and EEG signal processing empowered by Functional Source Separation'.*

2014 Department of Health Sciences and Technology, ETH Zurich, Switzerland, *'Semi-Blind Functional Source Separation Algorithm from non-invasive electrophysiology to neuroimaging'*

2012 Institute of Neuroscience, Newcastle University, Wolfson Research Centre Campus for Ageing and Vitality, UK. *'Task Contrast Functional Source Separation a novel approach to investigate non-invasive neuroimaging data'*

2011 Institute of Neuroscience, Newcastle University, UK. *'From the Cerebral Source Separation using Blind and semi-Blind methods to the Cerebral Network Identification'.*

2010 Newcastle University (UK), *'Brain Source Identification using Blind and semi-Blind separation methods in sensory-motor and cognitive tasks'.*

2010 Plymouth University (UK), '*Brain Source Identification in Simple and Complex Tasks using Blind and semi-Blind Methods'.*

2010 Aston University, Birmingham, UK. '*Dynamics of functional connectivity within the hand somatosensory sub-cortical and cortical network'.*

2010 University College London (UK*), 'Functional Source Separation improves the data quality during concurrent EEG-fMRI'*

2009 International School for Advanced Studies (SISSA – Trieste, Italy). '*Cerebral source identification: from artefact removal to functional source separation*'.

2008 University of "Roma Tre", *'Positive' and 'Negative' Proposition in logic reasoning: an EEG Study.*

Oral Presentation in National and International Conferences

2017 Differences in resolving within-language lexical competition for monolingual and bilingual speakers – electrophysiological evidence. 11th International Symposium on Bilingualism, University of Limerick. Ireland.

2015 Hand somatosensory Functional Source Separation (FSS) analysis reveals hypoactive sub-cortical source signals in migraine interictally, 60° Congresso Italiano della Società Italiana di Neurofisiologia Clinica, 20-23 May, Verona, Italy.

2014 Speech artifacts removal from EEG recordings during overt picture naming: comparison across different methodological approaches. XI National Congress, Associazione Italiana di Scienze Cognitive (AISC), Rome 2-5/12/2014, Italy.

2012 *'La contraddittoria aristotelica nel ragionamento: uno studio Elettroencefalografico' (Translation: The Aristotelian contradiction in human reasoning: an EEG study).* IX National Congress, Associazione Italiana di Scienze Cognitive (AISC), Rome 3-5/12/2012, Italy.

2012 *'Attivazione spazio-temporale dell'attività cerebrale durante interferenza semantica dopo la rimozione degli artefatti muscolari: uno studio EEG' (Translation: Spatio-temporal activation of brain activity during semantic interference after muscle artifacts removal: an EEG study).* IX National Congress, Associazione Italiana di Scienze Cognitive (AISC), Rome 3-5/12/2012, Italy.

2011 *'Functional Source Separation and the Cyber Hand Project'.* Institute of Neuroscience, Newcastle University, UK. Neuroelectronics Brainstorming Workshop. 21st July 2011.

2010 '*Primary sensory-motor cortex Activity during voluntary and passive ankle mobilization'.* 29th

International Congress of Clinical Neurophysiology (ICCN) 28 October – 1 November 2010. Kobe, Japan.

2010 *Functional source separation improves the quality of single trial visual evoked potentials recorded during concurrent EEG-fMRI'.* 29th International Congress of Clinical Neurophysiology (ICCN) 28 October – 1 November 2010. Kobe, Japan.

Teaching and training activity

2015 -2017 Master course in Biomedical Engineering.
Teaching course - Bio-imaging and Brain Research (72 hrs). Teaching Code B402. Department of Information Engineering - Università Politecnica delle Marche, Ancona, IT-60131 Italy.

2008 - 2012 Supervisor of (1) Research Associate, (2) MS students:
- Maria Teresa Medaglia (Research Associate), Birmingham University, UK.
- Emma Palmer (MS student) Birmingham University, UK
- Filippo Falleri (MS student) Perugia University, Italy.

2008 Tutorial on 'fMRI Artefacts Removal From EEG' Birmingham University, UK.

Research Funding (As a Principal Investigator (PI)):

2017 Senior Fellowship KU Leuven (ZKD1331 - SF/16/011 - € 17420). Title of the project: *'Detecting large-scale networks in the human brain using high-density electroencephalography'*

2016 Royal Society (*£ 12000*), International Exchanges Scheme 2016/R1- Travel Grant. Title of the project: '*Identification of a brain network sub-serving predisposition to pain perception'*

2015 Swiss National Science Foundation fellowship, International Short Visits, Swiss National Science Foundation (IZKOZ3_163614 – CHF 9300). *Title of the project: Functional Source Separation (FSS) - a novel data-driven approach to investigate neural dynamics of the human brain.*

2011-2012 Independent University Research Fellowship (£ 100000), Newcastle University, Institute of Neuroscience.

2011-2012 Royal Society (*£ 12000*), International Joint Project 2010/R1 - Travel Grant. Title of the project: *'The key movement controllers: an EEG/fMRI study of the hand network dynamics'.*

2010 Birmingham University Internal Grant (*£ 7454*), Cutting Edge, (PI). Title of the project: *'Developing a Protocol for Analyzing EEG Data from Speech Production Studies'*.

2010 Chieti University Internal Grant (€12000), FIS/07, (PI). Title of the project: *'The neural basis of human fluid intelligence: application of advanced methods for fMRI-EEG integration'*.

Research Funding Award (as Co-Investigator):

2017-18 Supported by FISM - Fondazione Italiana Sclerosi Multipla (€ 40000) - Cod. 2015/R/29 Research Grant '*Fatigue Relief in Multiple Sclerosis by a home treatment'*. [FaReMuS CuNe-H].

2013-16 Ministry of University and Research (MIUR), Italy (€ 121500), Projects of Relevant National Interest (PRIN), **'Functional connectivity and neuroplasticity in physiological and pathological aging (CONN-AGE)',** [2010SH7H3F]

2012-14 **"PNR-CNR Aging Program 2012-2014"** (€ 15000)**.**

2012-13 Supported by FISM - Fondazione Italiana Sclerosi Multipla (€ 24000) – Cod.2011/R/32, Research Grant '***Fatigue Relief in Multiple Sclerosis by transcranial Direct Current Stimulation (tDCS): can we Differentiate stimulation Targets within the primary sensorimotor cortices?***' [FaReMuS DiCDiT].

2011 Supported by FISM - Fondazione Italiana Sclerosi Multipla (€ 30000) - Cod.2010/R/38, Research Grant '***Fatigue Relief in Multiple Sclerosis by Neuromodulation: a transcranial Direct Current Stimulation (tDCS) Intervention'***. [FaMuSNe].

2010 Supported by FISM - Fondazione Italiana Sclerosi Multipla, (€ 60000) - Cod.2009/R/23, Research Grant. ***'Fatigue in Multiple Sclerosis: is there a neuroanatomic and functional profile?'*** [FaMuS].

2006-08 Ministry of University and Research (MIUR), Projects of Relevant National Interest (PRIN), '***Reorganization of the sensory and motor cortices in selective lesions of the I and II motor neuron, motor neuropathies, sensory neuropathies and myopathies.*** Integrated study on neurophysiology and neuroimaging.' [2005063547].

2006-08 Ministry of University and Research (MIUR), Projects of Relevant National Interest (PRIN), '***Multimodal integration of structural and functional imaging for the study of cerebral connectivity'.*** [2005027850].

2006 European Space Agency (ESA-ARIADNA), ***'Non-invasive brain-machine interfaces'*** **(**AO/1-4919/05/NL/HE, study id 05/6402).

Awards

January 2017 – December 2019
Honorary Senior Research Fellow, School of Psychology, Birmingham University, Birmingham, UK.

2016 **NeuroImage Editors' Choice Award 2016** conferred for the following paper: "*Global signal modulation of single-trial fMRI response variability: Effect on positive vs. negative BOLD response relationship*"

January 2011 – December 2013
Honorary Research Fellow, School of Psychology, Birmingham University, Birmingham, UK.

2012 Di Pino G***, Porcaro C***, Tombini M, Assenza G, Pellegrino G,Tecchio F, Rossini PM. A neurally-interfaced hand prosthesis tuned inter-hemispheric communication. *Restorative Neurology and Neuroscience,* 30 407-18, 2012.*****These authors contributed equally to this work.***
This paper has been selected by IOS Press, publisher of Restorative Neurology and Neuroscience to be brought to the attention of the media in the September issue (30:5). The news release will be *distributed via the scientific news services EurekAlert (AAAS) and AlphaGalileo, serving primarily UK, Europe and Rest of World.*
- http://www.sciencedaily.com/releases/2012/08/120820114058.htm
- http://www.iospress.nl/ios_news/neural-interface-for-hand-prosthesis-can-restore-function-in-brain-areas-responsible-for-motor-control/

2011 University Research Fellowship, Newcastle University (£ 100000).

2010 Best Poster at ICCN2010 28 October – 1 November, Kobe, Japan.

2010 International Federation Of Clinical Neurophysiology (IFCN) - Fellowship to attend the International Congress of Clinical Neurophysiology 28 October – 1 November, Kobe, Japan -ICCN2010Award – *$1000.*
- http://www.ifcn.info/showcontent.aspx?MenuID=905

Italian Research Quality Assessment (VQR- Valutazione della Qualità della Ricerca): 2011-14

Products evaluated 2:	Evaluation	Score
• Mayhew SD, Ostwald D, Porcaro C, Bagshaw AP. (2013). Spontaneous EEG alpha oscillation interacts with positive and negative BOLD responses in the visual-auditory cortices and DMN. *Neuroimage*, vol. 76, p. 362-372.	*Excellent*	1.00
• Mayhew SD, Hylands-White N, Porcaro C, Derbyshire SW, Bagshaw AP. (2013). Intrinsic variability in the human response to pain is assembled from multiple, dynamic brain processes. *Neuroimage*, vol. 75, p. 68-78.	*Excellent*	1.00

Scores legend - Excellent 1.0; High 0.7; Discrete 0.4; Acceptable 0.1; Restricted 0;

Editorial Board Activity

- **Journal of Biomedicine and Biotechnology** (**BioMed Research International**) **Neuroscience section** (Impact Factor: 2.134)
  ISSN: 2314-6133
  https://www.hindawi.com/journals/bmri/editors/neuroscience/

- **Signal Processing Research**
  ISSN Online: 2327-171X; ISSN Print: 2327-1701
  http://www.seipub.org/spr/PageInfo.aspx?PARAMS=VGl0bGVeRWRpdG9yaWFsIEJvYXJkXkZpbGVOYW1lXkVkaXRvcmlhbEJvYXJkLmh0bQ_0_0

- **Scientifica (Neuroscience section)**
  ISSN: 2090-908X
  https://www.hindawi.com/journa ls/scientifica/editors/neuroscience/

- **Journal of Signal and Information Processing**
  ISSN Online: 2159-4481;ISSN Print: 2159-4465
  http://www.scirp.org/journal/jsip/

- **Journal of Neuroscience and Neurological Disorders**
  ISSN: 2454-4981
  http://www.heighpubs.com/jnnd/editors.php

- **International Journal of Neurology Research**
  ISSN: 2313-5611
  http://www.ghrnet.org/index.php/ijnr

- **Neurology and Neuroscience**
  ISSN: 2386-687X
  https://www.publishopenaccess.com/journals/list-of-journals/neurology-and-neuroscience/

- **Journal of Computational Medicine**
  ISSN Online: 2314-5099; ISSN Print: 2314-5080
  https://www.hindawi.com/archive/editors/

- **Information Systems and Signal Processing Journal**
  http://www.clausiuspress.com/journal/ISSPJ/editorialBoard.html

- **Insights in Psychology**
  http://oprscience.com/department/insights-in-psychology/

Invited to be part of expert pool for:

- **TBM-programme funding**
  The Research Foundation - Flanders (FWO, www.fwo.be) is the foundation that supports fundamental and strategic research of universities, university hospitals and other strategic research centers in the Flemish Community (Belgium).
  One of the FWO funding programmes is the TBM-programme: funding for applied biomedical research with a primary societal aim. This funding programme aims to support late stage research projects that lead to the implementation of new therapies, diagnostic techniques or preventive methods, which would otherwise not reach the patient due to a lack of industrial interest.
  http://www.fwo.be/en/fellowships-funding/research-projects/tbm-projects/

Invited Peer Reviewer

- Neuroimage
- Scientific Report
- Human Brain Mapping
- Journal of Headache and Pain
- Journal of Neural Engineering
- Clinical Neurophysiology
- Plos ONE
- Behavioural Brain Research
- IEEE Trans. on Biomed. Engineering
- IEEE J. of Biom. & Health Inform.
- Experimental Brain Research
- Journal of Neuroscience Methods
- Early Human Development
- Inverse Problems
- Medical Engineering & Physics

- Computers in Biology and Medicine
- Biomedical Signal Processing & Control
- IEEE Tran. on Audio, Speech&Language Proc.
- Medical & Biological Engineering & Computing
- Intern. Journal of Human-Computer Interaction
- IEEE Transactions on Circuits and Systems II
- Medical Biological Eng. & Computing
- Journal of Signal and Inf. Processing
- Scientifica (Neuroscience sec.)
- Journal of Computational Medicine
- Signal Processing Research
- Biomedical signal processing Control
- Computer Methods and Programs in Biomed.
- Springer chapter book.

Invited evaluator for:

2016 - Peer reviewer for the Italian Research Quality Assessment (VQR) 2011-2014.
- 252286 (GEV 11.b)
- 26038 (GEV 6)
- 179924 (GEV 9)
- 350884 (GEV 9)
- 275118 (GEV 6)
- 16555 (GEV 9)
- 150098 (GEV 6)
- 319017 (GEV 6)
- 150098 (GEV 6)
- 179924 (GEV 9)

2016 -Postdoctoral Fellowship (Application number: 12N6417N). The Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO) is an independent funding agency that supports fundamental research in all disciplines in Flanders (Belgium).

2016 - INCOMING [Pegasus]² Marie Sklodowska-Curie Fellowship (Application number: 12G9417N).

2016 - Commissario per assegno di ricerca relativo al bando n. ISTC-AdR-230-2016-RM del 22/04/2016

2015 - FWO Fellowship (Application number: 12K7716N).

2014 - Scientific Independence of young Researchers SIR MIUR (RBSI1413TP) as rapporteur

2014 - Scientific Independence of young Researchers SIR MIUR (RBSI14DL11)

2013 - University of Leuven (KU Leuven) BZAPS/14/009 Professorship.

Overview of publications (full paper)

h-index: 19 (19 Papers cited more than 19 times); i10-index: 28 (i10-index is the number of publications with at least 10 citations). Total citations: 968[1]

Total Impact factor (IF):186.11. Average IF: 4.136.

Percentage of papers published in **Neuroscience** category (36/45) **80%**

Percentage of papers published in **Neuroimaging** category (18/45) **40%**

Percentage of papers published in the first quartile (**Q1**) of **Neuroscience** category (22/4) **48.8%**

Percentage of papers published in **Q1 Neuroimaging** category (18/45) **40%**

Journals	N.	IF 2015	IF Tot.	Neuroscience Rank			Neuroimage Rank	Multidisciplinary Science Rank
				Q1	Q2	Q3	Q1	Q1
Neuroimage	11	5.463	60.09	11	-	-	11	-
Human Brain Mapping	7	4.962	34.73	7	-	-	7	-
Clinical Neurophysiology	5	3.426	17.13	-	5	-	-	-
Plos One	4	3.057	12.23	-	-	-	-	4
Neuroscience	3	3.231	9.69	-	3	-	-	-
Neurorehabilitation And Neural Repair	2	4.086	8.17	-	-	-	-	-
Cephalalgia	1	6.052	6.05	1	-	-	-	-
Brain Research	1	2.561	2.56	-	-	1	-	-
Brain Structure And Function	1	5.811	5.81	1	-	-	-	-
Brain Topography	1	3.727	3.73	-	1	-	-	-
Current Alzheimer Research	1	3.145	3.15	-	1	-	-	-
Experimental Brain Research	1	2.057	2.06	-	-	1	-	-
Frontiers In Neurology	1	3.184	3.18	-	1	-	-	-
IEEE Transactions On Biomedical Engineering	1	2.468	2.47	-	-	-	-	-
Journal Of Neurology	1	3.408	3.41	-	-	-	-	-
Journal Of Physiology	1	4.731	4.73	1	-	-	-	-
Logic Journal Of The IGPL	1	0.434	0.43	-	-	-	-	-
Multiple Sclerosis Journal	1	4.671	4.67	1	-	-	-	-
Restorative Neurology And Neuroscience	1	1.813	1.81	-	-	1	-	-
Total	**45**		**186.11**	**22**	**11**	**3**	**18**	**4**
Mean Impact Factor		**4.136**						
% of papers in Q1				**48.9**			**40**	**8.9**
% of papers in Neuroscience:		**80**						
% of papers in Neuroimaging:		**40**						