

A Computational Model of Interactions Between Neuronal and Astrocytic Networks : The Role of Astrocytes in the Stability of the Neuronal Firing Rate. / Lenk, Kerstin; Satuvuori, Eero; Lallouette, Jules; Ladrón-de-Guevara, Antonio; Berry, Hugues; Hyttinen, Jari A. K.

In: *Frontiers in Computational Neuroscience*, Vol. 13, 92, 22.01.2020.

Research output: Contribution to journal › Article › Scientific › peer-review

A constrained HMM-based approach to the estimation of perceptual switching dynamics in pigeons. / Otterpohl, J. R.; Emmert-Streib, F.; Pawelzik, K.

In: *Neurocomputing*, Vol. 38-40, 06.2001, p. 1495-1501.

Research output: Contribution to journal › Article › Scientific › peer-review

Advanced boundary electrode modeling for tES and parallel tES/EEG. / Pursiainen, S.; Agsten, B.; Wagner, S.; Wolters, C. H.

In: *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, Vol. 26, No. 1, 2017, p. 37-44.

Research output: Contribution to journal › Article › Scientific › peer-review

Advances in Human Stem Cell-Derived Neuronal Cell Culturing and Analysis. / Ylä-Outinen, Laura; Tanskanen, Jarno M.A.; Kapucu, Fikret E.; Hyysalo, Anu; Hyttinen, Jari A.K.; Narkilahti, Susanna.

In *In Vitro Neuronal Networks: From Culturing Methods to Neuro-Technological Applications*. Springer New York LLC, 2019. p. 299-329 (*Advances in Neurobiology*; Vol. 22).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Analysis of apoptosis-related genes in patients with clinically isolated syndrome and their association with conversion to multiple sclerosis. / Hagman, Sanna; Kolasa, Marcin; Basnyat, Pabitra; Helminen, Mika; Kähönen, Mika; Dastidar, Prasun; Lehtimäki, Terho; Elovaara, Irina.

In: *JOURNAL OF NEUROIMMUNOLOGY*, Vol. 280, 15.03.2015, p. 43-48.

Research output: Contribution to journal › Article › Scientific › peer-review

A Primal Neural Network for Online Equality-Constrained Quadratic Programming. / Chen, Ke; Zhang, Zhaoxiang.

In: *Cognitive Computation*, Vol. 10, No. 2, 2018, p. 381-388.

Research output: Contribution to journal › Article › Scientific › peer-review

A realistic, accurate and fast source modeling approach for the EEG forward problem. / Miinalainen, Tuuli; Rezaei, Atena; Us, Defne; Nüßing, Andreas; Engwer, Christian; Wolters, Carsten H.; Pursiainen, Sampsa.

In: *NeuroImage*, Vol. 184, No. 1, 2019, p. 56-67.

Research output: Contribution to journal › Article › Scientific › peer-review

Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling. / Pantsar, Tatu; Rissanen, Sami; Dauch, Daniel; Laitinen, Tuomo; Vattulainen, Ilpo; Poso, Antti.

In: *PLoS Computational Biology*, Vol. 14, No. 9, e1006458, 10.09.2018.

Research output: Contribution to journal › Article › Scientific › peer-review

Assessment of PIV performance in validating CFD models from nasal cavity CBCT scans. / Ormiskangas, Jaakko; Valtonen, Olli; Kivekäs, Ilkka; Dean, Marc; Poe, Dennis; Järnstedt, Jorma; Lekkala, Jukka; Harju, Teemu; Saarenrinne, Pentti; Rautiainen, Markus.

In: *Respiratory Physiology and Neurobiology*, Vol. 282, 103508, 01.11.2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Assessment of respiratory effort during sleep with noninvasive techniques. / Tenhunen, Mirja; Hasan, Joel; Himanen, Sari Leena.

In: *Sleep Medicine Reviews*, Vol. 24, 01.12.2015, p. 103-104.

Research output: Contribution to journal › Article › Scientific

Association between soluble L-selectin and anti-JCV antibodies in natalizumab-treated relapsing-remitting MS patients. /

Basnyat, Pabitra; Hagman, Sanna; Kolasa, Marcin; Koivisto, Keijo; Verkkoniemi-Ahola, Auli; Airas, Laura; Elovaara, Irina.

In: *Multiple Sclerosis and Related Disorders*, Vol. 4, No. 4, 01.07.2015, p. 334-338.

Research output: Contribution to journal › Article › Scientific › peer-review

Astrocyte lineage cells are essential for functional neuronal differentiation and synapse maturation in human iPSC-derived neural networks. / Klapper, Simon D.; Garg, Pretty; Dagar, Sushma; Lenk, Kerstin; Gottmann, Kurt; Nieweg, Katja.

In: *Glia*, Vol. 67, No. 10, 2019, p. 1893-1909.

Research output: Contribution to journal › Article › Scientific › peer-review

Atomistic fingerprint of hyaluronan-CD44 binding. / Vuorio, Joni; Vattulainen, Ilpo; Martinez-Seara, Hector.

In: *PLoS Computational Biology*, Vol. 13, No. 7, e1005663, 01.07.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

Autoimmunity-related immunological serum markers and survival in a tertiary care cohort of adult patients with epilepsy. /

Nevalainen, Olli; Auvinen, Anssi; Ansakorpi, Hanna; Raitanen, Jani; Isojärvi, Jouko.

In: *EPILEPSY RESEARCH*, Vol. 108, No. 9, 01.11.2014, p. 1675-1679.

Research output: Contribution to journal › Article › Scientific › peer-review

Automatic assessment of the myoclonus severity from videos recorded according to standardized Unified Myoclonus Rating Scale protocol and using human pose and body movement analysis. / Hyppönen, Jelena; Hakala, Anna; Annala, Kaapo; Zhang, Honglei; Peltola, Jukka; Mervaala, Esa; Kälviäinen, Reetta.

In: *Seizure*, Vol. 76, 01.03.2020, p. 72-78.

Research output: Contribution to journal › Article › Scientific › peer-review

Automatic objective thresholding to detect neuronal action potentials. / Tanskanen, Jarno M.A.; Kapucu, Fikret E.; Väilki, Inkeri; Hyttinen, Jari A.K.

Proceedings of 2016 24th European Signal Processing Conference (EUSIPCO). 2016. p. 662-666.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Building new computational models to support health behavior change and maintenance : new opportunities in behavioral research. / Spruijt-Metz, Donna; Hekler, Eric; Saranummi, Niilo; Intille, Stephen; Korhonen, Ilkka; Nilsen, Wendy; Rivera, Daniel E.; Spring, Bonnie; Michie, Susan; Asch, David A.; Sanna, Alberto; Salcedo, Vicente Traver; Kukakfa, Rita; Pavel, Misha.

In: *Translational Behavioral Medicine*, Vol. 5, No. 3, 17.09.2015, p. 335-346.

Research output: Contribution to journal › Article › Scientific › peer-review

Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles. / Morkkila, Sini; Postila, Pekka A.; Rissanen, Sami; Juhola, Hanna; Vattulainen, Ilpo; Róg, Tomasz.

In: *ACS Chemical Neuroscience*, Vol. 8, No. 6, 21.06.2017, p. 1242-1250.

Research output: Contribution to journal › Article › Scientific › peer-review

Cell culture chamber with gas supply for prolonged recording of human neuronal cells on microelectrode array. / Kreutzer, Joose; Ylä-Outinen, Laura; Mäki, Antti; Ristola, Mervi; Narkilahti, Susanna; Kallio, Pasi.

In: *Journal of Neuroscience Methods*, Vol. 280, 15.03.2017, p. 27-35.

Research output: Contribution to journal › Article › Scientific › peer-review

CNN-based edge filtering for object proposals. / Waris, Muhammad Adeel; Iosifidis, Alexandros; Gabbouj, Moncef.

In: *Neurocomputing*, Vol. 266, 02.06.2017, p. 631-640.

Research output: Contribution to journal › Article › Scientific › peer-review

Cognitive load and metacognitive confidence extraction from pupillary response. / Gavas, Rahul D.; Tripathy, Soumya Ranjan; Chatterjee, Debatri; Sinha, Aniruddha.

In: *Cognitive Systems Research*, Vol. 52, 01.12.2018, p. 325-334.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of eye movement filters used in HCI. / Špakov, Oleg.

Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. p. 281-284.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Comparison of Feature Selection Techniques in Machine Learning for Anatomical Brain MRI in Dementia. / Tohka, Jussi; Moradi, Elaheh; Huttunen, Heikki; Alzheimer's Disease Neuroimaging Initiative; Alzheimer's Disease Neuroimaging Initiative 2.

In: Neuroinformatics, Vol. 14, No. 3, 2016, p. 279-296.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of stapedotomy minus prosthesis, circumferential stapes mobilization, and small fenestra stapedotomy for stapes fixation. / Acar, Gül Ozbilen; Kivekäs, Ilkka; Hanna, Bassem M.; Huang, Lin; Gopen, Quinton; Poe, Dennis S.

In: OTOLOGY AND NEUROTOLOGY, Vol. 35, No. 4, 2014.

Research output: Contribution to journal › Article › Scientific › peer-review

Computational modeling of growth in cortical cultures using the NETMORPH simulation tool. / Acimovic, Jugoslava; Mäki-Marttunen, Tuomo; Linne, Marja-Leena.

Neuroscience 2010, 40th Annual Meeting, San Diego, USA, 13-17 November 2010. 2010. p. 2 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Computational study of structural changes in neuronal networks during growth: a model of dissociated neocortical cultures. / Acimovic, Jugoslava; Mäki-Marttunen, Tuomo; Linne, Marja-Leena.

Twentieth Annual Computational Neuroscience Meeting: CNS*2011. ed. / Jean-Marc Fellous; Astrid Prinz. Vol. 12 (Suppl 1) Stockholm : BioMed Central, 2011. p. P203 P203 (Annual Computational Neuroscience Meeting CNS; Vol. 12).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Computational tools for assessing the properties of 2D neural cell cultures. / Acimovic, Jugoslava; Teppola, Heidi; Selinummi, Jyrki Juhani; Linne, Marja-Leena.

Eighteenth Annual Computational Neuroscience Meeting: CNS*2009. ed. / Don Johnson. Vol. 10 (Suppl 1) Berlin : BioMed Central, 2009. p. P170 P170.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin. / Enkavi, Giray; Mikkolainen, Heikki; Güngör, Burçin; Ikonen, Elina; Vattulainen, Ilpo.

In: PLoS Computational Biology, Vol. 13, No. 10, e1005831, 01.10.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

Cortical spreading depression in alpha-synuclein knockout mice. / Pelkonen, Anssi; Yavich, Leonid.

In: SYNAPSE, Vol. 66, No. 1, 01.2012, p. 81-84.

Research output: Contribution to journal › Article › Scientific › peer-review

Cost-effectiveness of decompressive craniectomy in non-traumatic neurological emergencies. / Malmivaara, K.; Ohman, J.; Kivisaari, R.; Hernesniemi, J.; Siironen, J.

In: European Journal of Neurology, Vol. 18, No. 3, 03.2011, p. 402-409.

Research output: Contribution to journal › Article › Scientific › peer-review

COX-2 regulates the proliferation of glioma stem like cells. / Sharma, Vivek; Dixit, Deobrat; Ghosh, Sadashib; Sen, Ellora.

In: NEUROCHEMISTRY INTERNATIONAL, Vol. 59, No. 5, 10.2011, p. 567-571.

Research output: Contribution to journal › Article › Scientific › peer-review

Data-driven study of synchronous population activity in generic spiking neuronal networks: How much do we capture using the minimal model for the considered phenomena? / Acimovic, Jugoslava; Teppola, Heidi; Mäki-Marttunen, Tuomo Mikael; Linne, Marja-Leena.

2018. Paper presented at Brain and Mind Symposium 2018, Helsinki, Finland.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Data-driven study of synchronous population activity in generic spiking neuronal networks: How much do we capture using the minimal model for the considered phenomena? / Acimovic, Jugoslava; Teppola, Heidi; Mäki-Marttunen, Tuomo Mikael; Linne, Marja-Leena.

In: BMC Neuroscience, Vol. 19, No. Suppl 2, 29.10.2018, p. 68-69.

Research output: Contribution to journal › Meeting Abstract › Scientific › peer-review

Deep audio-visual saliency : Baseline model and data. / Tavakoli, Hamed Rezazadegan; Borji, Ali; Kannala, Juho; Rahtu, Esa.

Proceedings ETRA 2020 Short Papers - ACM Symposium on Eye Tracking Research and Applications, ETRA 2020. ed. / Stephen N. Spencer. ACM, 2020. 3.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Defining the anterior nucleus of the thalamus (ANT) as a deep brain stimulation target in refractory epilepsy : Delineation using 3 T MRI and intraoperative microelectrode recording. / Möttönen, T.; Katisko, J.; Haapasalo, J.; Tähtinen, T.; Kiekara, T.; Kähärä, V.; Peltola, J.; Öhman, J.; Lehtimäki, K.

In: NeuroImage: Clinical, Vol. 7, 2015, p. 823-829.

Research output: Contribution to journal › Article › Scientific › peer-review

Diffusion tensor imaging and disability progression in multiple sclerosis : A 4-year follow-up study. / Kolasa, Marcin; Hakulinen, Ullamari; Brander, Antti; Hagman, Sanna; Dastidar, Prasun; Elovaara, Irina; Sumelahti, Marja-Liisa.

In: Brain and Behavior, Vol. 9, No. 1, e01194, 01.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Disconnection between periodic leg movements and cortical arousals in spinal cord injury. / Salminen, Aaro V.; Manconi, Mauro; Rimpilä, Ville; Luoto, Teemu M.; Koskinen, Eerika; Ferri, Raffaele; Öhman, Juha; Polo, Olli.

In: JOURNAL OF CLINICAL SLEEP MEDICINE, Vol. 9, No. 11, 2013, p. 1207-1209.

Research output: Contribution to journal › Article › Scientific › peer-review

Disease-associated inflammatory biomarker profiles in blood in different subtypes of multiple sclerosis : Prospective clinical and MRI follow-up study. / Hagman, Sanna; Raunio, Minna; Rossi, Maija; Dastidar, Prasun; Elovaara, Irina.

In: JOURNAL OF NEUROIMMUNOLOGY, Vol. 234, No. 1-2, 05.2011, p. 141-147.

Research output: Contribution to journal › Article › Scientific › peer-review

Distance-based human action recognition using optimized class representations. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: Neurocomputing, Vol. 161, 05.08.2015, p. 47-55.

Research output: Contribution to journal › Article › Scientific › peer-review

DropELM : Fast neural network regularization with Dropout and DropConnect. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: Neurocomputing, Vol. 162, 25.08.2015, p. 57-66.

Research output: Contribution to journal › Article › Scientific › peer-review

Effect of rhodopsin phosphorylation on dark adaptation in mouse rods. / Berry, Justin; Frederiksen, Rikard; Yao, Yun; Nymark, Soile; Chen, Jeannie; Cornwall, Carter.

In: Journal of Neuroscience, Vol. 36, No. 26, 29.06.2016, p. 6973-6987.

Research output: Contribution to journal › Article › Scientific › peer-review

Effects of cytokine activation and oxidative stress on the function of the human embryonic stem cell-derived retinal pigment epithelial cells. / Juuti-Uusitalo, Kati; Nieminen, Monica; Treumer, Felix; Ampuja, Minna; Kallioniemi, Anne; Klettner, Alexa; Skottman, Heli.

In: Investigative Ophthalmology and Visual Science, Vol. 56, No. 11, 2015, p. 6265-6274.

Research output: Contribution to journal › Article › Scientific › peer-review

Effects of exogenous alpha-synuclein on stimulated dopamine overflow in dorsal striatum. / Pelkonen, Anssi; Kallunki, Pekka; Yavich, Leonid.

In: Neuroscience Letters, Vol. 554, 25.10.2013, p. 141-145.

Research output: Contribution to journal › Article › Scientific › peer-review

Effects of local structure of neuronal networks on spiking activity in silico. / Mäki-Marttunen, Tuomo Mikael; Acimovic, Jugoslava; Ruohonen, Keijo Pellervo; Linne, Marja-Leena.
Twentieth Annual Computational Neuroscience Meeting: CNS*2011. ed. / Jean-Marc Fellous; Astrid Prinz. Vol. 12 (Suppl 1) Stockholm : BioMed Central, 2011. p. P202.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Effects of structure on spontaneous activity in simulated neuronal networks. / Mäki-Marttunen, Tuomo; Acimovic, Jugoslava; Ruohonen, Keijo; Linne, Marja-Leena.

Proceedings of Mathematical Neuroscience (ICMS 2011), April 11-13, 2011, Edinburgh, Scotland. 2011.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Elevated levels of soluble CD26 and CD30 in multiple sclerosis. / Basnyat, Pabitra; Natarajan, Renuka; Vistbakka, Julia; Lehtikangas, Maija; Airas, Laura; Matinlauri, Irma; Elovaara, Irina; Hagman, Sanna.

In: Clinical and Experimental Neuroimmunology, Vol. 6, No. 4, 01.11.2015, p. 419-425.

Research output: Contribution to journal > Article > Scientific > peer-review

Emergence of global and local structural features during development of neuronal networks. / Acimovic, Jugoslava.

Proceedings of the Eighth International Workshop on Computational Systems Biology, WCSB 2011, June 6-8, 2011, Zürich, Switzerland . Tampere : TICSP, 2011. (TICSP Series ; Vol. 57).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Epileptiform and periodic EEG activities induced by rapid sevoflurane anaesthesia induction. / Sonkajärvi, Eila; Rytty, Seppo; Alahuhta, Seppo; Suominen, Kalervo; Kumpulainen, Timo; Ohtonen, Pasi; Karvonen, Elina; Jäntti, Ville.

In: Clinical Neurophysiology, Vol. 129, No. 3, 01.03.2018, p. 638-645.

Research output: Contribution to journal > Article > Scientific > peer-review

Erratum : Extracting the dynamics of perceptual switching from 'noisy' behaviour: An application of hidden Markov modelling to pecking data from pigeons (Journal of Physiology Paris (2000) 94:5-6 (555-567) PII: S0928425700010950). /

Otterpohl, J. R.; Haynes, J. D.; Emmert-Streib, F.; Vetter, G.; Pawelzik, K.

In: Journal of Physiology: Paris, Vol. 95, No. 1-6, 2001, p. 497.

Research output: Contribution to journal > Article > Scientific > peer-review

Eustachian tube mucosal inflammation scale validation based on digital video images. / Kivekäs, Ilkka; Pöyhönen, Leena; Aarnisalo, Antti; Rautiainen, Markus; Poe, Dennis.

In: OTOLOGY AND NEUROTOLOGY, Vol. 36, No. 10, 01.12.2015, p. 1748-1752.

Research output: Contribution to journal > Article > Scientific > peer-review

Evaluation of the different sleep-disordered breathing patterns of the compressed tracheal sound. / Tenhunen, Mirja; Huupponen, Eero; Hasan, Joel; Heino, Otto; Himanen, Sari Leena.

In: Clinical Neurophysiology, Vol. 126, No. 8, 01.08.2015, p. 1557-1563.

Research output: Contribution to journal > Article > Scientific > peer-review

Experiments of the sonification of the sleep electroencephalogram. / Franco, Pedro; Värri, Alpo.

In: Finnish Journal of eHealth and eWelfare, Vol. 7, No. 2-3, 11.05.2015, p. 65-74.

Research output: Contribution to journal > Article > Scientific > peer-review

Extensive white matter changes predict stroke recurrence up to 5 years after a first-ever ischemic stroke. / Melkas, S.; Sibolt, G.; Oksala, N. K J; Putaala, J.; Pohjasvaara, T.; Kaste, M.; Karhunen, P. J.; Erkinjuntti, T.

In: CEREBROVASCULAR DISEASES, Vol. 34, No. 3, 10.2012, p. 191-198.

Research output: Contribution to journal > Article > Scientific > peer-review

Extracting the dynamics of perceptual switching from 'noisy' behaviour : An application of hidden Markov modelling to pecking data from pigeons. / Otterpohl, J. R.; Haynes, J. D.; Emmert-Streib, F.; Vetter, G.; Pawelzik, K.

In: Journal of Physiology: Paris, Vol. 94, No. 5-6, 2000, p. 555-567.

Research output: Contribution to journal > Article > Scientific > peer-review

Extreme learning machine based supervised subspace learning. / Iosifidis, Alexandros.

In: Neurocomputing, Vol. 167, 2015, p. 158–164.

Research output: Contribution to journal › Article › Scientific › peer-review

Fault tolerant machine learning for nanoscale cognitive radio. / Pajarinen, Joni; Peltonen, Jaakko; Uusitalo, Mikko A.

In: Neurocomputing, Vol. 74, No. 5, 02.2011, p. 753-764.

Research output: Contribution to journal › Article › Scientific › peer-review

Fluorescent probes as a tool for cell population tracking in spontaneously active neural networks derived from human pluripotent stem cells. / Mäkinen, M.; Joki, T.; Ylä-Outinen, L.; Skottman, H.; Narkilahti, S.; Äänismaa, R.

In: Journal of Neuroscience Methods, Vol. 215, No. 1, 04.2013, p. 88-96.

Research output: Contribution to journal › Article › Scientific › peer-review

From in silico astrocyte cell models to neuron-astrocyte network models : A review. / Oschmann, Franziska; Berry, Hugues; Obermayer, Klaus; Lenk, Kerstin.

In: BRAIN RESEARCH BULLETIN, Vol. 136, 2018, p. 76-84.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Functional brain segmentation using inter-subject correlation in fMRI. / Kauppi, Jukka-Pekka; Pajula, Juha; Niemi, Jari; Hari, Riitta; Tohka, Jussi.

In: Human Brain Mapping, Vol. 38, No. 5, 01.05.2017, p. 2643-2665.

Research output: Contribution to journal › Article › Scientific › peer-review

Gaze gestures or dwell-based interaction? / Hyrskykari, Aulikki; Istance, Howell; Vickers, Stephen.

Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. p. 229-232.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Haptic feedback to gaze events. / Kangas, Jari; Rantala, Jussi; Majaranta, Päivi; Isokoski, Poika; Raisamo, Roope.

Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. p. 11-18.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

How Many Is Enough? Effect of Sample Size in Inter-Subject Correlation Analysis of fMRI. / Pajula, Juha; Tohka, Jussi.

In: Computational Intelligence and Neuroscience, Vol. 2016, 2094601, 2016.

Research output: Contribution to journal › Article › Scientific › peer-review

Human anterior thalamic nuclei are involved in emotion-attention interaction. / Sun, Lihua; Peräkylä, Jari; Polvivaara, Markus; Öhman, Juha; Peltola, Jukka; Lehtimäki, Kai; Huhtala, Heini; Hartikainen, Kaisa M.

In: NEUROPSYCHOLOGIA, Vol. 78, 01.11.2015, p. 88-94.

Research output: Contribution to journal › Article › Scientific › peer-review

Human-robot interactive learning architecture using ontologies and symbol manipulation. / Angleraud, Alexandre; Houbre, Quentin; Kyrki, Ville; Pieters, Roel.

RO-MAN 2018 - 27th IEEE International Symposium on Robot and Human Interactive Communication: August 27-31, 2018, Nanjing, China.. IEEE, 2018. p. 384-389 (IEEE RO-MAN).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Immediate effects of deep brain stimulation of anterior thalamic nuclei on executive functions and emotion-attention interaction in humans. / Hartikainen, Kaisa M.; Sun, Lihua; Polvivaara, Markus; Brause, Maarja; Lehtimäki, Kai; Haapasalo, Joonas; Möttönen, Timo; Väyrynen, Kirsi; Ogawa, Keith H.; Öhman, Juha; Peltola, Jukka.

In: JOURNAL OF CLINICAL AND EXPERIMENTAL NEUROPSYCHOLOGY, Vol. 36, No. 5, 28.05.2014, p. 540-550.

Research output: Contribution to journal › Article › Scientific › peer-review

Improved EEG source localization with Bayesian uncertainty modelling of unknown skull conductivity. / Rimpiläinen, Ville; Koulouri, Alexandra; Lucka, Felix; Kaipio, Jari P.; Wolters, Carsten H.

In: NeuroImage, Vol. 188, 01.03.2019, p. 252-260.

Research output: Contribution to journal › Article › Scientific › peer-review

Improvement of computational efficiency of a biochemical plasticity model. / Lehtimäki, Mikko; Paunonen, Lassi; Linne, Marja-Leena.

In: BMC Neuroscience, Vol. 19, No. Suppl 2, P130, 29.09.2018, p. 66-66.

Research output: Contribution to journal › Meeting Abstract › Scientific › peer-review

Improving efficiency in convolutional neural networks with multilinear filters. / Tran, Dat Thanh; Iosifidis, Alexandros; Gabbouj, Moncef.

In: Neural Networks, Vol. 105, 01.09.2018, p. 328-339.

Research output: Contribution to journal › Article › Scientific › peer-review

Influence of the experimental design of gene expression studies on the inference of gene regulatory networks : Environmental factors. / Emmert-Streib, Frank.

In: PeerJ, Vol. 2013, No. 1, e10, 2013.

Research output: Contribution to journal › Article › Scientific › peer-review

Influence of the neural network topology on the learning dynamics. / Emmert-Streib, Frank.

In: Neurocomputing, Vol. 69, No. 10-12, 05.2006, p. 1179-1182.

Research output: Contribution to journal › Article › Scientific › peer-review

Inhibition of A β Amyloid Growth and Toxicity by Silybins : The Crucial Role of Stereochemistry. / Sciacca, Michele F.M.; Romanucci, Valeria; Zarrelli, Armando; Monaco, Irene; Lolicato, Fabio; Spinella, Natalia; Galati, Clelia; Grasso, Giuseppe; D'Urso, Luisa; Romeo, Margherita; Diomedede, Luisa; Salmons, Mario; Bongiorno, Corrado; Di Fabio, Giovanni; La Rosa, Carmelo; Milardi, Danilo.

In: ACS Chemical Neuroscience, Vol. 8, No. 8, 16.08.2017, p. 1767-1778.

Research output: Contribution to journal › Article › Scientific › peer-review

Inhibition of Casein kinase-2 induces p53-dependent cell cycle arrest and sensitizes glioblastoma cells to tumor necrosis factor (TNF α)-induced apoptosis through SIRT1 inhibition. / Dixit, D.; Sharma, V.; Ghosh, S.; Mehta, V. S.; Sen, E.

In: CELL DEATH AND DISEASE, Vol. 3, No. 2, e271, 02.2012.

Research output: Contribution to journal › Article › Scientific › peer-review

In silico study on structure and dynamics in bursting neuronal networks. / Mäki-Marttunen, Tuomo Mikael; Acimovic, Jugoslava; Ruohonen, Keijo Pellervo; Linne, Marja-Leena.

Neuroscience 2012; 42nd Annual Meeting, New Orleans, USA, October 14-18, 2012. Society for Neuroscience (SfN), 2012. 300.26/DDD70.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Learning sparse representations for view-independent human action recognition based on fuzzy distances. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: Neurocomputing, Vol. 121, 09.12.2013, p. 344-353.

Research output: Contribution to journal › Article › Scientific › peer-review

Look and lean : Accurate head-assisted eye pointing. / Špakov, Oleg; Isokoski, Poika; Majaranta, Päivi.

Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. p. 35-42.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Measures of spike train synchrony for data with multiple time scales. / Satuvuori, Eero; Mulansky, Mario; Bozanic, Nebojsa; Malvestio, Irene; Zeldenrust, Fleur; Lenk, Kerstin; Kreuz, Thomas.

In: Journal of Neuroscience Methods, Vol. 287, 01.08.2017, p. 25-38.

Research output: Contribution to journal › Article › Scientific › peer-review

Melatonin pathway genes are associated with progressive subtypes and disability status in multiple sclerosis among Finnish patients. / Natarajan, Renuka; Einarsdottir, Elisabet; Riutta, Asko; Hagman, Sanna; Raunio, Minna; Mononen, Nina; Lehtimäki, Terho; Elovaara, Irina.

In: JOURNAL OF NEUROIMMUNOLOGY, Vol. 250, No. 1-2, 15.09.2012, p. 106-110.

Research output: Contribution to journal › Article › Scientific › peer-review

Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor. / Lolicato, Fabio; Juhola, Hanna; Zak, Agata; Postila, Pekka A.; Saukko, Annina; Rissanen, Sami; Enkavi, Giray; Vattulainen, Ilpo; Kepczynski, Mariusz; Róg, Tomasz.

In: ACS Chemical Neuroscience, Vol. 11, No. 13, 2020, p. 1914–1924.

Research output: Contribution to journal › Article › Scientific › peer-review

Mesopic background lights enhance dark-adapted cone ERG flash responses in the intact mouse retina : A possible role for gap junctional decoupling. / Heikkinen, H.; Vinberg, F.; Nymark, S.; Koskelainen, A.

In: Journal of Neurophysiology, Vol. 105, No. 5, 05.2011, p. 2309-2318.

Research output: Contribution to journal › Article › Scientific › peer-review

MetrlntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents. / Iantovics, Laszlo Barna; Emmert-Streib, Frank; Arik, Sabri.

In: Cognitive Systems Research, Vol. 45, 01.10.2017, p. 17-29.

Research output: Contribution to journal › Article › Scientific › peer-review

Mismatch negativity abnormality in traumatic brain injury without macroscopic lesions on conventional MRI. / Kaipio, Marja Liisa; Cheour, Marie; Öhman, Juha; Salonen, Oili; Näätänen, Risto.

In: NeuroReport, Vol. 24, No. 8, 29.05.2013, p. 440-444.

Research output: Contribution to journal › Article › Scientific › peer-review

Morphological Differentiation Towards Neuronal Phenotype of SH-SY5Y Neuroblastoma Cells by Estradiol, Retinoic Acid and Cholesterol. / Teppola, Heidi; Sarkanen, Jertta Riina; Jalonen, Tuula O.; Linne, Marja-Leena.

In: Neurochemical Research, Vol. 41, No. 4, 2016, p. 731-747.

Research output: Contribution to journal › Article › Scientific › peer-review

Mortality by clinical characteristics in a tertiary care cohort of adult patients with chronic epilepsy. / Nevalainen, Olli; Auvinen, Anssi; Ansakorpi, Hanna; Artama, Miia; Raitanen, Jani; Isojärvi, Jouko.

In: EPILEPSIA, Vol. 53, No. 12, 12.2012.

Research output: Contribution to journal › Article › Scientific › peer-review

Negatively Charged Gangliosides Promote Membrane Association of Amphipathic Neurotransmitters. / Juhola, Hanna; Postila, Pekka A.; Rissanen, Sami; Lolicato, Fabio; Vattulainen, Ilpo; Róg, Tomasz.

In: Neuroscience, Vol. 384, 01.08.2018, p. 214-223.

Research output: Contribution to journal › Article › Scientific › peer-review

Network-wide adaptive burst detection depicts neuronal activity with improved accuracy. / Vätkki, Inkeri A.; Lenk, Kerstin; Mikkonen, Jarno E.; Kapucu, Fikret E.; Hyttinen, Jari A.K.

In: Frontiers in Computational Neuroscience, Vol. 11, 40, 31.05.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

Neural networks, cell cultures and some older work on data analysis. / Acimovic, Jugoslava.

2009. Paper presented at Okinawa Computational Neuroscience Course 2009, Japan.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Neurofunctional plasticity in fraction learning : An fMRI training study. / Wortha, Silke M.; Bloechle, Johannes; Ninaus, Manuel; Kiili, Kristian; Lindstedt, Antero; Bahnmüller, Julia; Moeller, Korbinian; Klein, Elise.

In: Trends in Neuroscience and Education, Vol. 21, 100141, 01.12.2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Neuromuscular pathology in mice lacking alpha-synuclein. / Pelkonen, Anssi; Yavich, Leonid.

In: Neuroscience Letters, Vol. 487, No. 3, 10.01.2011, p. 350-353.

Research output: Contribution to journal › Article › Scientific › peer-review

Neuroprotective effect of RO-20-1724—a phosphodiesterase4 inhibitor against intracerebroventricular streptozotocin induced cognitive deficit and oxidative stress in rats. / Sharma, Vivek; Bala, Ashu; Deshmukh, Rahul; Bedi, K. L.; Sharma, P. L.

In: PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, Vol. 101, No. 2, 04.2012, p. 239-245.

Research output: Contribution to journal › Article › Scientific › peer-review

Nonlinear recurrent neural networks for finite-time solution of general time-varying linear matrix equations. / Xiao, Lin; Liao, Bolin; Li, Shuai; Chen, Ke.

In: Neural Networks, Vol. 98, 02.2018, p. 102-113.

Research output: Contribution to journal › Article › Scientific › peer-review

One-Class Classification based on Extreme Learning and Geometric Class Information. / Iosifidis, Alexandros; Mygdalis, Vasileios; Tefas, Anastasios; Pitas, Ioannis.

In: Neural Processing Letters, 2016, p. 1-16.

Research output: Contribution to journal › Article › Scientific › peer-review

On the effect of network structure and synaptic mechanisms on sustained bursting activity. / Mäki-Marttunen, Tuomo Mikael; Acimovic, Jugoslava; Ruohonen, Keijo Pellervo; Linne, Marja-Leena.

Twenty Second Annual Computational Neuroscience Meeting: CNS*2013. ed. / Gennady Cymbalyuk; Astrid Prinz. Vol. Volume 14 Suppl 1 Paris, France : BioMed Central, 2013. p. P247.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Origins and functional consequences of somatic mitochondrial DNA mutations in human cancer. / Ju, Young S.eok; Alexandrov, Ludmil B.; Gerstung, Moritz; Martincorena, Inigo; Nik-Zainal, Serena; Ramakrishna, Manasa; Davies, Helen R.; Papaemmanuil, Elli; Gundem, Gunes; Shlien, Adam; Bolli, Niccolo; Behjati, Sam; Tarpey, Patrick S.; Nangalia, Jyoti; Massie, Charles E.; Butler, Adam P.; Teague, Jon W.; Vassiliou, George S.; Green, Anthony R.; Du, Ming Qing; Unnikrishnan, Ashwin; Pimanda, John E.; Teh, Bin T.ean; Munshi, Nikhil; Greaves, Mel; Vyas, Paresh; El-Naggar, Adel K.; Santarius, Tom; Collins, V. Peter; Grundy, Richard; Taylor, Jack A.; Hayes, D. Neil; Malkin, David; Foster, Christopher S.; Warren, Anne Y.; Whitaker, Hayley C.; Brewer, Daniel; Eeles, Rosalind; Cooper, Colin; Neal, David; Visakorpi, Tapio; Isaacs, William B.; Bova, G. Steven; Flanagan, Adrienne M.; Futreal, P. Andrew; Lynch, Andy G.; Chinnery, Patrick F.; McDermott, Ultan; Stratton, Michael R.; Campbell, Peter J.

In: eLIFE, Vol. 3, 2014.

Research output: Contribution to journal › Article › Scientific › peer-review

Overview of Sources and Characteristics of Nanoparticles in Urban Traffic-Influenced Areas. / Rönkkö, Topi; Timonen, Hilikka.

In: Journal of Alzheimer's Disease, Vol. 72, No. 1, 2019, p. 15-28.

Research output: Contribution to journal › Article › Scientific › peer-review

Pathway analysis of expression data : Deciphering functional building blocks of complex diseases. / Emmert-Streib, Frank ; Glazko, Galina V.

In: PLoS Computational Biology, Vol. 7, No. 5, e1002053, 05.2011.

Research output: Contribution to journal › Article › Scientific › peer-review

Patient-specific induced pluripotent stem cell—derived RPE cells : Understanding the pathogenesis of retinopathy in long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency. / Polinati, Padmini P.; Ilmarinen, Tanja; Trokovic, Ras; Hyotylainen, Tuulia; Otonkoski, Timo; Suomalainen, Anu; Skottman, Heli; Tynitiina, Tiina.

In: Investigative Ophthalmology and Visual Science, Vol. 56, No. 5, 2015, p. 3371-3382.

Research output: Contribution to journal › Article › Scientific › peer-review

Podocyte apoptosis is prevented by blocking the Toll-like receptor pathway. / Saurus, P.; Kuusela, S.; Lehtonen, E.; Hyvönen, M. E.; Ristola, M.; Fogarty, C. L.; Tienari, J.; Lassenius, M. I.; Forsblom, C.; Lehto, M.; Saleem, M. A.; Groop, P. H.; Holthöfer, H.; Lehtonen, S.

In: CELL DEATH AND DISEASE, Vol. 6, No. 5, e1752, 01.05.2015.

Research output: Contribution to journal › Article › Scientific › peer-review

Post-stroke depression and depression-executive dysfunction syndrome are associated with recurrence of ischaemic stroke. / Sibolt, Gerli; Curtze, Sami; Melkas, Susanna; Pohjasvaara, Tarja; Kaste, Markku; Karhunen, Pekka J.; Oksala, Niku K J; Vataja, Risto; Erkinjuntti, Timo.

In: CEREBROVASCULAR DISEASES, Vol. 36, No. 5-6, 12.2013, p. 336-343.

Research output: Contribution to journal › Article › Scientific › peer-review

Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data. / Moradi, Elaheh; Khundrakpam, Budhachandra; Lewis, John D.; Evans, Alan C.; Tohka, Jussi.

In: NeuroImage, Vol. 144, No. A, 2017, p. 128-141.

Research output: Contribution to journal › Article › Scientific › peer-review

Randomized Multiresolution Scanning in Focal and Fast E/MEG Sensing of Brain Activity with a Variable Depth. / Rezaei, A.; Koulouri, A.; Pursiainen, S.

In: Brain Topography, Vol. 33, No. 2, 2020, p. 161-175.

Research output: Contribution to journal › Article › Scientific › peer-review

Real-time hidden gaze point correction. / Špakov, Oleg; Gizatdinova, Yulia.

Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. p. 291-294.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions. / Javanainen, Matti; Enkavi, Giray; Guixà-González, Ramon; Kulig, Waldemar; Martínez-Seara, Hector; Levental, Ilya; Vattulainen, Ilpo.

In: PLoS Computational Biology, Vol. 15, No. 5, e1007033, 01.05.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Regularized extreme learning machine for multi-view semi-supervised action recognition. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: Neurocomputing, Vol. 145, 05.12.2014, p. 250-262.

Research output: Contribution to journal › Article › Scientific › peer-review

Salivary cortisol reactivity to psychological stressors in infancy : A meta-analysis. / Puhakka, Ilmari J.A.; Peltola, Mikko J.

In: PSYCHONEUROENDOCRINOLOGY, Vol. 115, 104603, 01.05.2020.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Severe cerebral white matter lesions in ischemic stroke patients are associated with less time spent at home and early institutionalization. / Sibolt, Gerli; Curtze, Sami; Melkas, Susanna; Pohjasvaara, Tarja; Kaste, Markku; Karhunen, Pekka J.; Oksala, Niku K J; Erkinjuntti, Timo.

In: INTERNATIONAL JOURNAL OF STROKE, Vol. 10, No. 8, 01.12.2015, p. 1192-1196.

Research output: Contribution to journal › Article › Scientific › peer-review

Significance of graph theoretic measures in predicting neuronal network activity. / Mäki-Marttunen, Tuomo Mikael; Acimovic, Jugoslava; Ruohonen, Keijo Pellervo; Linne, Marja-Leena.

Proceedings of The 9th annual Computational and Systems Neuroscience meeting (COSYNE 2012). Salt Lake City, 2012. p. 55-55 I-15.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Simple gaze gestures and the closure of the eyes as an interaction technique. / Heikkilä, Henna; Rähä, Kari Jouko.

Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. p. 147-154.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Spinal cord injury induces widespread chronic changes in cerebral white matter. / Ilvesmäki, Tero; Koskinen, Eerika; Brander, Antti; Luoto, Teemu; Öhman, Juha; Eskola, Hannu.

In: Human Brain Mapping, Vol. 38, No. 7, 2017, p. 3637-3647.

Research output: Contribution to journal › Article › Scientific › peer-review

Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI : The CADDementia challenge. / Bron, Esther E.; Smits, Marion; van der Flier, Wiesje M.; Vrenken, Hugo; Barkhof, Frederik; Scheltens, Philip; Papma, Janne M.; Steketee, Rebecca M E; Méndez Orellana, Carolina; Meijboom, Rozanna; Pinto, Madalena; Meireles, Joana R.; Garrett, Carolina; Bastos-Leite, António J.; Abdulkadir, Ahmed; Ronneberger, Olaf; Amoroso, Nicola; Bellotti, Roberto; Cárdenas-Peña, David; Álvarez-Meza, Andrés M.; Dolph, Chester V.; Iftekharuddin, Khan M.; Eskildsen, Simon F.; Coupé, Pierrick; Fonov, Vladimir S.; Franke, Katja; Gaser, Christian; Ledig, Christian; Guerrero, Ricardo; Tong, Tong; Gray, Katherine R.; Moradi, Elaheh; Tohka, Jussi; Routier, Alexandre; Durrleman, Stanley; Sarica, Alessia; Di Fatta, Giuseppe; Sensi, Francesco; Chincarini, Andrea; Smith, Garry M.; Stoyanov, Zhivko V.; Sørensen, Lauge; Nielsen, Mads; Tangaro, Sabina; Inglese, Paolo; Wachinger, Christian; Reuter, Martin; van Swieten, John C.; Niessen, Wiro J.; Klein, Stefan.

In: *NeuroImage*, Vol. 111, 01.05.2015, p. 562-579.

Research output: Contribution to journal › Article › Scientific › peer-review

Teaching semantics and skills for human-robot collaboration. / Angleraud, Alexandre; Houbre, Quentin; Pieters, Roel.

In: *Paladyn*, Vol. 10, No. 1, 2019, p. 318-329.

Research output: Contribution to journal › Article › Scientific › peer-review

The effect of different text presentation formats on eye movement metrics in reading. / Sharmin, Selina; Špakov, Oleg; Rähkä, Kari Jouko.

In: *JOURNAL OF EYE MOVEMENT RESEARCH*, Vol. 5, No. 3, 3, 2012.

Research output: Contribution to journal › Article › Scientific › peer-review

The effects of neuron morphology on graph theoretic measures of network connectivity : The analysis of a two-level statistical model. / Acimovic, Jugoslava; Mäki-Marttunen, Tuomo; Linne, Marja-Leena.

In: *Frontiers in Neuroanatomy*, Vol. 9, No. June, 76, 10.06.2015.

Research output: Contribution to journal › Article › Scientific › peer-review

The relationship between recognition memory for emotion-laden words and white matter microstructure in normal older individuals. / Saarela, Carina; Karrasch, Mira; Ilvesmäki, Tero; Parkkola, Riitta; Rinne, Juha O.; Laine, Matti.

In: *NeuroReport*, Vol. 27, No. 18, 01.11.2016, p. 1345-1349.

Research output: Contribution to journal › Article › Scientific › peer-review

The validity of using non-representative users in gaze communication research. / Istance, Howell; Vickers, Stephen; Hyskykari, Aulikki.

Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. p. 233-236.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Tidal breathing flow profiles during sleep in wheezing children measured by impedance pneumography. / Gracia-Tabuenca, Javier; Seppä, Ville-Pekka; Jauhiainen, Milla; Paassilta, Marita; Viik, Jari; Karjalainen, Jussi.

In: *Respiratory Physiology and Neurobiology*, Vol. 271, 103312, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Transfer learning using a nonparametric sparse topic model. / Faisal, Ali; Gillberg, Jussi; Leen, Gayle; Peltonen, Jaakko.

In: *Neurocomputing*, Vol. 112, 18.07.2013, p. 124-137.

Research output: Contribution to journal › Article › Scientific › peer-review

TraQuMe : A tool for measuring the gaze tracking quality. / Akkil, Deepak; Isokoski, Poika; Kangas, Jari; Rantala, Jussi; Raisamo, Roope.

Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. p. 327-330.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Unique Features of Network Bursts Emerge From the Complex Interplay of Excitatory and Inhibitory Receptors in Rat Neocortical Networks. / Teppola, Heidi; Aćimović, Jugoslava; Linne, Marja Leena.

In: *FRONTIERS IN CELLULAR NEUROSCIENCE*, Vol. 13, 377, 06.09.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Viability of Mouse Retinal Explant Cultures Assessed by Preservation of Functionality and Morphology. / Alarautalahti, Virpi; Ragauskas, Symantas; Hakkarainen, Jenni J.; Uusitalo-Järvinen, Hannele; Uusitalo, Hannu; Hyttinen, Jari; Kalesnykas, Giedrius; Nymark, Soile.

In: Investigative ophthalmology & visual science, Vol. 60, No. 6, 01.05.2019, p. 1914-1927.

Research output: Contribution to journal › Article › Scientific › peer-review

Whole-cell morphological properties of neurons constrain the nonrandom features of network connectivity. / Acimovic, Jugoslava; Mäki-Marttunen, Tuomo Mikael; Linne, Marja-Leena.

24th Annual Computational Neuroscience Meeting: CNS*2015. ed. / Gennady Cymbalyuk; Anthony Burkitt. Vol. 16 (Suppl 1) Prague : BioMed Central, 2015. p. P:O7 O7.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

X-ray microtomographic confirmation of the reliability of CBCT in identifying the scalar location of cochlear implant electrode after round window insertion. / Zou, Jing; Hannula, Markus; Lehto, Kalle; Feng, Hao; Lähelmä, Jaakko; Aula, Antti S.; Hyttinen, Jari; Pyykkö, Ilmari.

In: Hearing Research, Vol. 326, 01.08.2015, p. 59-65.

Research output: Contribution to journal › Article › Scientific › peer-review

Zeffiro User Interface for Electromagnetic Brain Imaging : a GPU Accelerated FEM Tool for Forward and Inverse Computations in Matlab. / He, Q.; Rezaei, A.; Pursiainen, S.

In: Neuroinformatics, 2019.

Research output: Contribution to journal › Article › Scientific › peer-review