

Marco M De Curtis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

7,253
citations

46
h-index

79
g-index

195
ext. papers

8,365
ext. citations

5.1
avg, IF

6.04
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 189 | Ultrasounds induce blood-brain barrier opening across a sonolucent polyolefin plate in an in vitro isolated brain preparation.. <i>Scientific Reports</i> , 2022 , 12, 2906 | 4.9 | 0 |
| 188 | Perampanel efficacy on focal status epilepticus in Turner's syndrome with combined generalized and focal epilepsy.. <i>Clinical Neurophysiology</i> , 2022 , 137, 59-62 | 4.3 | |
| 187 | Impaired awareness in mesial temporal lobe epilepsy: Network analysis of foramen ovale and scalp EEG. <i>Clinical Neurophysiology</i> , 2021 , 132, 3084-3094 | 4.3 | 0 |
| 186 | Peripheral blood mononuclear cell activation sustains seizure activity. <i>Epilepsia</i> , 2021 , 62, 1715-1728 | 6.4 | 2 |
| 185 | Temporal lobe epilepsy surgery in children and adults: A multicenter study. <i>Epilepsia</i> , 2021 , 62, 128-142 | 6.4 | 11 |
| 184 | Dendritic pathology, spine loss and synaptic reorganization in human cortex from epilepsy patients. <i>Brain</i> , 2021 , 144, 251-265 | 11.2 | 8 |
| 183 | Mild malformation of cortical development with oligodendroglial hyperplasia (MOGHE): Neurophysiological fingerprints of a new pathological entity. <i>Clinical Neurophysiology</i> , 2021 , 132, 154-156 | 4.3 | 3 |
| 182 | A hypothesis for the role of axon demyelination in seizure generation. <i>Epilepsia</i> , 2021 , 62, 583-595 | 6.4 | 3 |
| 181 | Seizure activity and brain damage in a model of focal non-convulsive status epilepticus. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 679-693 | 5.2 | 6 |
| 180 | A survey of the European Reference Network EpiCARE on clinical practice for selected rare epilepsies. <i>Epilepsia Open</i> , 2021 , 6, 160-170 | 4 | 0 |
| 179 | Mapping region-specific seizure-like patterns in the in vitro isolated guinea pig brain. <i>Experimental Neurology</i> , 2021 , 342, 113727 | 5.7 | 1 |
| 178 | Brain pathology in focal status epilepticus: evidence from experimental models. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 131, 834-846 | 9 | 0 |
| 177 | The pilocarpine model of mesial temporal lobe epilepsy: Over one decade later, with more rodent species and new investigative approaches. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 130, 274-291 | 9 | 6 |
| 176 | Seizure-Induced Acute Glial Activation in the Isolated Guinea Pig Brain. <i>Frontiers in Neurology</i> , 2021 , 12, 607603 | 4.1 | 2 |
| 175 | Expanding clinical spectrum of Caspr2 antibody-associated disease: warning on brainstem involvement and respiratory failure. <i>Journal of the Neurological Sciences</i> , 2020 , 413, 116865 | 3.2 | 4 |
| 174 | Restless Legs Syndrome across the Lifespan: Symptoms, Pathophysiology, Management and Daily Life Impact of the Different Patterns of Disease Presentation. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17, | 4.6 | 13 |
| 173 | Quality of life, psychiatric symptoms, and stigma perception in three groups of persons with epilepsy. <i>Epilepsy and Behavior</i> , 2020 , 110, 107170 | 3.2 | 1 |

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| 172 | Early Chronic Carbamazepine-in-Food Administration to MAM/Pilocarpine Rats Does Not Affect Convulsive Motor Seizures. <i>Frontiers in Pharmacology</i> , 2020 , 11, 181 | 5.6 | 1 |
| 171 | The understanding of mental states and the cognitive phenotype of frontal lobe epilepsy. <i>Epilepsia</i> , 2020 , 61, 747-757 | 6.4 | 5 |
| 170 | Kir4.1 RNA Interference by In Utero Electroporation Fails to Affect Ictogenesis and Reveals a Possible role of Kir4.1 in Corticogenesis. <i>Neuroscience</i> , 2020 , 441, 65-76 | 3.9 | |
| 169 | How deep do we have to go? Recurrent episodes of aura continua with psychic symptoms may be misdiagnosed without intracranial recordings. <i>Clinical Neurophysiology</i> , 2020 , 131, 580-582 | 4.3 | 1 |
| 168 | Advanced intraoperative ultrasound (ioUS) techniques in focal cortical dysplasia (FCD) surgery: A preliminary experience on a case series. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 198, 106188 | 2 | 6 |
| 167 | Activity- and pH-dependent adenosine shifts at the end of a focal seizure in the entorhinal cortex. <i>Epilepsy Research</i> , 2020 , 165, 106401 | 3 | 0 |
| 166 | Epilepsy course during COVID-19 pandemic in three Italian epilepsy centers. <i>Epilepsy and Behavior</i> , 2020 , 112, 107375 | 3.2 | 8 |
| 165 | Piriform cortex ictogenicity in vitro. <i>Experimental Neurology</i> , 2019 , 321, 113014 | 5.7 | 6 |
| 164 | Predictive value of high titer of GAD65 antibodies in a case of limbic encephalitis. <i>Journal of Neuroimmunology</i> , 2019 , 337, 577063 | 3.5 | 11 |
| 163 | Epileptiform activity contralateral to unilateral hippocampal sclerosis does not cause the expression of brain damage markers. <i>Epilepsia</i> , 2019 , 60, 1184-1199 | 6.4 | 7 |
| 162 | Targeting PSD95-nNOS interaction by Tat-N-dimer peptide during status epilepticus is neuroprotective in MAM-pilocarpine rat model. <i>Neuropharmacology</i> , 2019 , 153, 82-97 | 5.5 | 9 |
| 161 | GABA receptor-mediated networks during focal seizure onset and progression in vitro. <i>Neurobiology of Disease</i> , 2019 , 125, 190-197 | 7.5 | 8 |
| 160 | Anti-epileptogenic and Anti-convulsive Effects of Fingolimod in Experimental Temporal Lobe Epilepsy. <i>Molecular Neurobiology</i> , 2019 , 56, 1825-1840 | 6.2 | 18 |
| 159 | The impact of perampanel treatment on quality of life and psychiatric symptoms in patients with drug-resistant focal epilepsy: An observational study in Italy. <i>Epilepsy and Behavior</i> , 2019 , 99, 106391 | 3.2 | 8 |
| 158 | Stereo-EEG ictal/interictal patterns and underlying pathologies. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019 , 72, 54-60 | 3.2 | 15 |
| 157 | Recording Electrical Brain Activity with Novel Stretchable Electrodes Based on Supersonic Cluster Beam Implantation Nanotechnology on Conformable Polymers. <i>International Journal of Nanomedicine</i> , 2019 , 14, 10079-10089 | 7.3 | 1 |
| 156 | Two main focal seizure patterns revealed by intracerebral electroencephalographic biomarker analysis. <i>Epilepsia</i> , 2019 , 60, 96-106 | 6.4 | 10 |
| 155 | Potassium dynamics and seizures: Why is potassium ictogenic?. <i>Epilepsy Research</i> , 2018 , 143, 50-59 | 3 | 19 |

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| 154 | Epilepsy. <i>Nature Reviews Disease Primers</i> , 2018 , 4, 18024 | 51.1 | 269 |
| 153 | Enhanced thalamo-hippocampal synchronization during focal limbic seizures. <i>Epilepsia</i> , 2018 , 59, 1774-1784 | 11 | |
| 152 | WONOEPP APPRAISAL: The many facets of epilepsy networks. <i>Epilepsia</i> , 2018 , 59, 1475-1483 | 6.4 | 15 |
| 151 | Distribution of superparamagnetic Au/Fe nanoparticles in an isolated guinea pig brain with an intact blood brain barrier. <i>Nanoscale</i> , 2018 , 10, 22420-22428 | 7.7 | 7 |
| 150 | Adult-onset Rasmussen encephalitis treated with mitoxantrone. <i>European Journal of Neurology</i> , 2018 , 25, e125-e126 | 6 | 4 |
| 149 | How do we use in vitro models to understand epileptiform and ictal activity? A report of the TASK1-WG4 group of the ILAE/AES Joint Translational Task Force. <i>Epilepsia Open</i> , 2018 , 3, 460-473 | 4 | 11 |
| 148 | Methodologic recommendations and possible interpretations of video-EEG recordings in immature rodents used as experimental controls: A TASK1-WG2 report of the ILAE/AES Joint Translational Task Force. <i>Epilepsia Open</i> , 2018 , 3, 437-459 | 4 | 5 |
| 147 | High-frequency oscillations and seizure-like discharges in the entorhinal cortex of the in vitro isolated guinea pig brain. <i>Epilepsy Research</i> , 2017 , 130, 21-26 | 3 | 4 |
| 146 | Circadian clustering of spontaneous epileptic seizures emerges after pilocarpine-induced status epilepticus. <i>Epilepsia</i> , 2017 , 58, 1159-1171 | 6.4 | 32 |
| 145 | A Novel Focal Seizure Pattern Generated in Superficial Layers of the Olfactory Cortex. <i>Journal of Neuroscience</i> , 2017 , 37, 3544-3554 | 6.6 | 12 |
| 144 | Interneuronal Network Activity at the Onset of Seizure-Like Events in Entorhinal Cortex Slices. <i>Journal of Neuroscience</i> , 2017 , 37, 10398-10407 | 6.6 | 32 |
| 143 | Seizure activity per se does not induce tissue damage markers in human neocortical focal epilepsy. <i>Annals of Neurology</i> , 2017 , 82, 331-341 | 9.4 | 31 |
| 142 | Methodological standards and functional correlates of depth in vivo electrophysiological recordings in control rodents. A TASK1-WG3 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017 , 58 Suppl 4, 28-39 | 6.4 | 13 |
| 141 | Methodological standards for in vitro models of epilepsy and epileptic seizures. A TASK1-WG4 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017 , 58 Suppl 4, 40-52 | 6.4 | 19 |
| 140 | Standards for data acquisition and software-based analysis of in vivo electroencephalography recordings from animals. A TASK1-WG5 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017 , 58 Suppl 4, 53-67 | 6.4 | 15 |
| 139 | Methodological standards and interpretation of video-electroencephalography in adult control rodents. A TASK1-WG1 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017 , 58 Suppl 4, 10-27 | 6.4 | 51 |
| 138 | Changes of Ionic Concentrations During Seizure Transitions - A Modeling Study. <i>International Journal of Neural Systems</i> , 2017 , 27, 1750004 | 6.2 | 13 |
| 137 | The In Vitro Isolated Guinea Pig Brain in the Study of Ictogenesis 2017 , 313-323 | | |

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| 136 | Extracellular Potassium and Focal Seizures Insight from In Silico Study. <i>Springer Series in Bio-/neuroinformatics</i> , 2017 , 49-72 | | 0 |
| 135 | The in vitro isolated whole guinea pig brain as a model to study epileptiform activity patterns. <i>Journal of Neuroscience Methods</i> , 2016 , 260, 83-90 | 3 | 14 |
| 134 | GABAergic networks jump-start focal seizures. <i>Epilepsia</i> , 2016 , 57, 679-87 | 6.4 | 75 |
| 133 | Kainic acid-induced albumin leak across the blood-brain barrier facilitates epileptiform hyperexcitability in limbic regions. <i>Epilepsia</i> , 2016 , 57, 967-76 | 6.4 | 10 |
| 132 | Different parvalbumin and GABA expression in human epileptogenic focal cortical dysplasia. <i>Epilepsia</i> , 2016 , 57, 1109-19 | 6.4 | 20 |
| 131 | Specific imbalance of excitatory/inhibitory signaling establishes seizure onset pattern in temporal lobe epilepsy. <i>Journal of Neurophysiology</i> , 2016 , 115, 3229-37 | 3.2 | 83 |
| 130 | Fluency tasks generate beta-gamma activity in language-related cortical areas of patients during stereo-EEG monitoring. <i>Brain and Language</i> , 2016 , 163, 50-56 | 2.9 | 3 |
| 129 | Synchronous inhibitory potentials precede seizure-like events in acute models of focal limbic seizures. <i>Journal of Neuroscience</i> , 2015 , 35, 3048-55 | 6.6 | 43 |
| 128 | Initiation, Propagation, and Termination of Partial (Focal) Seizures. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015 , 5, a022368 | 5.4 | 23 |
| 127 | Pravastatin acute neuroprotective effects depend on blood brain barrier integrity in experimental cerebral ischemia. <i>Brain Research</i> , 2015 , 1615, 31-41 | 3.7 | 9 |
| 126 | Mechanisms of Focal Epileptogenesis 2015 , 101-109 | | 0 |
| 125 | Fast Activity Evoked by Intracranial 50 Hz Electrical Stimulation as a Marker of the Epileptogenic Zone. <i>International Journal of Neural Systems</i> , 2015 , 25, 1550022 | 6.2 | 5 |
| 124 | Localization of Epileptogenic Zone on Pre-surgical Intracranial EEG Recordings: Toward a Validation of Quantitative Signal Analysis Approaches. <i>Brain Topography</i> , 2015 , 28, 832-7 | 4.3 | 41 |
| 123 | Increased pCREB expression and the spontaneous epileptiform activity in a BCNU-treated rat model of cortical dysplasia. <i>Epilepsia</i> , 2015 , 56, 1343-54 | 6.4 | 6 |
| 122 | Modeling of seizure transitions with ion concentration dynamics. <i>BMC Neuroscience</i> , 2015 , 16, | 3.2 | 78 |
| 121 | Biomarkers of epileptogenic zone defined by quantified stereo-EEG analysis. <i>Epilepsia</i> , 2014 , 55, 296-305 | 6.4 | 67 |
| 120 | Stimulus-evoked potentials contribute to map the epileptogenic zone during stereo-EEG presurgical monitoring. <i>Human Brain Mapping</i> , 2014 , 35, 4267-81 | 5.9 | 30 |
| 119 | How can we identify ictal and interictal abnormal activity?. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 813, 3-23 | 3.6 | 86 |

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| 118 | Simultaneous enhancement of excitation and postburst inhibition at the end of focal seizures. <i>Annals of Neurology</i> , 2014 , 76, 826-36 | 9.4 | 16 |
| 117 | Network dynamics during the progression of seizure-like events in the hippocampal-parahippocampal regions. <i>Cerebral Cortex</i> , 2014 , 24, 163-73 | 5.1 | 29 |
| 116 | Variable electrobehavioral patterns during focal nonconvulsive status epilepticus induced by unilateral intrahippocampal injection of kainic acid. <i>Epilepsia</i> , 2014 , 55, 1978-85 | 6.4 | 10 |
| 115 | Optimization of rapid acquisition with relaxation enhancement (RARE) pulse sequence parameters for ^2F -MRI studies. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 162-70 | 5.6 | 17 |
| 114 | Modern concepts of focal epileptic networks. <i>International Review of Neurobiology</i> , 2014 , 114, 1-7 | 4.4 | 6 |
| 113 | Do seizures and epileptic activity worsen epilepsy and deteriorate cognitive function?. <i>Epilepsia</i> , 2013 , 54 Suppl 8, 14-21 | 6.4 | 46 |
| 112 | Does interictal synchronization influence ictogenesis?. <i>Neuropharmacology</i> , 2013 , 69, 37-44 | 5.5 | 40 |
| 111 | Synchronization and desynchronization in epilepsy: controversies and hypotheses. <i>Journal of Physiology</i> , 2013 , 591, 787-97 | 3.9 | 312 |
| 110 | Michael Foundation Forum 2012, Berlin, Germany. <i>Epilepsia</i> , 2013 , 54, 565-7 | 6.4 | |
| 109 | Seizure-like discharges induced by 4-aminopyridine in the olfactory system of the in vitro isolated guinea pig brain. <i>Epilepsia</i> , 2013 , 54, 605-15 | 6.4 | 19 |
| 108 | Hippocampal hyperexcitability and specific epileptiform activity in a mouse model of Dravet syndrome. <i>Epilepsia</i> , 2013 , 54, 1251-61 | 6.4 | 55 |
| 107 | Different permeability of potassium salts across the blood-brain barrier follows the Hofmeister series. <i>PLoS ONE</i> , 2013 , 8, e78553 | 3.7 | 4 |
| 106 | Moderate hypoxia followed by reoxygenation results in blood-brain barrier breakdown via oxidative stress-dependent tight-junction protein disruption. <i>PLoS ONE</i> , 2013 , 8, e82823 | 3.7 | 63 |
| 105 | Penumbra region excitability is not enhanced acutely after cerebral ischemia in the in vitro isolated guinea pig brain. <i>Epilepsia</i> , 2012 , 53, 448-58 | 6.4 | 4 |
| 104 | On the ictogenic properties of the piriform cortex in vitro. <i>Epilepsia</i> , 2012 , 53, 459-68 | 6.4 | 26 |
| 103 | WONOEPI XI: Workshop summary by the Scientific Organizing Committee. <i>Epilepsia</i> , 2012 , 53, 1275-6 | 6.4 | |
| 102 | A guinea pig model of mesial temporal lobe epilepsy following nonconvulsive status epilepticus induced by unilateral intrahippocampal injection of kainic acid. <i>Epilepsia</i> , 2012 , 53, 1917-27 | 6.4 | 30 |
| 101 | Seizure-induced brain-borne inflammation sustains seizure recurrence and blood-brain barrier damage. <i>Annals of Neurology</i> , 2012 , 72, 82-90 | 9.4 | 179 |

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| 100 | Neuronal Networks in the In Vitro Isolated Guinea Pig Brain. <i>Neuromethods</i> , 2012 , 357-383 | 0.4 | 8 |
| 99 | Limbic Network Synchronization and Temporal Lobe Epilepsy 2012 , 176-189 | | 16 |
| 98 | GABAergic synchronization in the limbic system and its role in the generation of epileptiform activity. <i>Progress in Neurobiology</i> , 2011 , 95, 104-32 | 10.9 | 183 |
| 97 | Acute lipophilicity-dependent effect of intravascular simvastatin in the early phase of focal cerebral ischemia. <i>Neuropharmacology</i> , 2011 , 60, 878-85 | 5.5 | 17 |
| 96 | Ictal but not interictal epileptic discharges activate astrocyte endfeet and elicit cerebral arteriole responses. <i>Frontiers in Cellular Neuroscience</i> , 2011 , 5, 8 | 6.1 | 19 |
| 95 | Caspase-3 contributes to ZO-1 and Cl-5 tight-junction disruption in rapid anoxic neurovascular unit damage. <i>PLoS ONE</i> , 2011 , 6, e16760 | 3.7 | 61 |
| 94 | Changes in action potential features during focal seizure discharges in the entorhinal cortex of the in vitro isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 2011 , 106, 1411-23 | 3.2 | 38 |
| 93 | Identification of reproducible ictal patterns based on quantified frequency analysis of intracranial EEG signals. <i>Epilepsia</i> , 2011 , 52, 477-88 | 6.4 | 45 |
| 92 | Functional interactions within the parahippocampal region revealed by voltage-sensitive dye imaging in the isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 2010 , 103, 725-32 | 3.2 | 12 |
| 91 | An excitatory loop with astrocytes contributes to drive neurons to seizure threshold. <i>PLoS Biology</i> , 2010 , 8, e1000352 | 9.7 | 157 |
| 90 | Independent epileptiform discharge patterns in the olfactory and limbic areas of the in vitro isolated Guinea pig brain during 4-aminopyridine treatment. <i>Journal of Neurophysiology</i> , 2010 , 103, 2728-36 | 3.2 | 25 |
| 89 | Functional and structural correlates of magnetic resonance patterns in a new in vitro model of cerebral ischemia by transient occlusion of the medial cerebral artery. <i>Neurobiology of Disease</i> , 2010 , 39, 181-91 | 7.5 | 6 |
| 88 | Hemispherotomy and functional hemispherectomy: indications and outcome. <i>Epilepsy Research</i> , 2010 , 89, 104-12 | 3 | 92 |
| 87 | Introduction to the supplement. <i>Epilepsia</i> , 2010 , 51, 1-1 | 6.4 | 1 |
| 86 | Neuronal network synchronization and limbic seizures. <i>Epilepsia</i> , 2010 , 51, 19-19 | 6.4 | 1 |
| 85 | Interictal epileptiform discharges in partial epilepsy: Neurobiologic mechanisms based on clinical and experimental evidence. <i>Epilepsia</i> , 2010 , 51, 22-22 | 6.4 | |
| 84 | Fatal congenital myopathy and gastrointestinal pseudo-obstruction due to POLG1 mutations. <i>Neurology</i> , 2009 , 72, 1103-5 | 6.5 | 30 |
| 83 | Mechanisms of C-reactive protein-induced blood-brain barrier disruption. <i>Stroke</i> , 2009 , 40, 1458-66 | 6.7 | 82 |

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| 82 | Synchronous GABA-receptor-dependent potentials in limbic areas of the in-vitro isolated adult guinea pig brain. <i>European Journal of Neuroscience</i> , 2009 , 29, 911-20 | 3.5 | 29 |
| 81 | Reevaluating the mechanisms of focal ictogenesis: The role of low-voltage fast activity. <i>Epilepsia</i> , 2009 , 50, 2514-25 | 6.4 | 99 |
| 80 | Distribution of the olfactory fiber input into the olfactory tubercle of the in vitro isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 2009 , 101, 1613-9 | 3.2 | 22 |
| 79 | Network hyperexcitability within the deep layers of the pilocarpine-treated rat entorhinal cortex. <i>Journal of Physiology</i> , 2008 , 586, 1867-83 | 3.9 | 27 |
| 78 | Acute induction of epileptiform discharges by pilocarpine in the in vitro isolated guinea-pig brain requires enhancement of blood-brain barrier permeability. <i>Neuroscience</i> , 2008 , 151, 303-12 | 3.9 | 66 |
| 77 | Fast activity at seizure onset is mediated by inhibitory circuits in the entorhinal cortex in vitro. <i>Annals of Neurology</i> , 2008 , 64, 674-86 | 9.4 | 151 |
| 76 | Arterially perfused neurosphere-derived cells distribute outside the ischemic core in a model of transient focal ischemia and reperfusion in vitro. <i>PLoS ONE</i> , 2008 , 3, e2754 | 3.7 | 17 |
| 75 | Odor-driven activity in the olfactory cortex of an in vitro isolated guinea pig whole brain with olfactory epithelium. <i>Journal of Neurophysiology</i> , 2007 , 97, 670-9 | 3.2 | 19 |
| 74 | Cellular correlates of spontaneous periodic events in the medial entorhinal cortex of the in vitro isolated guinea pig brain. <i>European Journal of Neuroscience</i> , 2007 , 26, 302-11 | 3.5 | 13 |
| 73 | Expression of adhesion factors induced by epileptiform activity in the endothelium of the isolated guinea pig brain in vitro. <i>Epilepsia</i> , 2007 , 48, 743-51 | 6.4 | 55 |
| 72 | In vivo and in vitro effects of pilocarpine: relevance to ictogenesis. <i>Epilepsia</i> , 2007 , 48, 1934-46 | 6.4 | 130 |
| 71 | Early excitability changes in a novel acute model of transient focal ischemia and reperfusion in the in vitro isolated guinea pig brain. <i>Experimental Neurology</i> , 2007 , 204, 95-105 | 5.7 | 13 |
| 70 | Neurosphere-derived cells exert a neuroprotective action by changing the ischemic microenvironment. <i>PLoS ONE</i> , 2007 , 2, e373 | 3.7 | 102 |
| 69 | A novel high channel-count system for acute multisite neuronal recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 1672-7 | 5 | 12 |
| 68 | Seizure control and treatment in pregnancy: observations from the EURAP epilepsy pregnancy registry. <i>Neurology</i> , 2006 , 66, 354-60 | 6.5 | 253 |
| 67 | In Vitro Isolated Guinea Pig Brain 2006 , 103-109 | | 0 |
| 66 | Hippocampus-mediated activation of superficial and deep layer neurons in the medial entorhinal cortex of the isolated guinea pig brain. <i>Journal of Neuroscience</i> , 2006 , 26, 873-81 | 6.6 | 29 |
| 65 | Realistic modeling of entorhinal cortex field potentials and interpretation of epileptic activity in the guinea pig isolated brain preparation. <i>Journal of Neurophysiology</i> , 2006 , 96, 363-77 | 3.2 | 16 |

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|----|--|------|-----|
| 64 | Activation of cerebral endothelium is required for mononuclear cell recruitment in a novel in vitro model of brain inflammation. <i>Neuroscience</i> , 2006 , 137, 1211-9 | 3.9 | 20 |
| 63 | Olfactory bulb networks revealed by lateral olfactory tract stimulation in the in vitro isolated guinea-pig brain. <i>Neuroscience</i> , 2006 , 142, 567-77 | 3.9 | 17 |
| 62 | Pravastatin in vivo reduces mononuclear cell migration through endothelial monolayers. <i>Neurological Sciences</i> , 2006 , 27, 261-5 | 3.5 | 1 |
| 61 | Rapid in vitro elimination of anesthetic doses of thiopental in the isolated guinea pig brain. <i>Neuroscience Letters</i> , 2005 , 380, 66-9 | 3.3 | 4 |
| 60 | Polysynaptic olfactory pathway to the ipsi- and contralateral entorhinal cortex mediated via the hippocampus. <i>Neuroscience</i> , 2005 , 130, 249-58 | 3.9 | 29 |
| 59 | Propagation dynamics of epileptiform activity acutely induced by bicuculline in the hippocampal-parahippocampal region of the isolated Guinea pig brain. <i>Epilepsia</i> , 2005 , 46, 1914-25 | 6.4 | 65 |
| 58 | Increased discharge threshold after an interictal spike in human focal epilepsy. <i>European Journal of Neuroscience</i> , 2005 , 22, 2971-6 | 3.5 | 22 |
| 57 | Cysteinyl-leukotrienes receptor activation in brain inflammatory reactions and cerebral edema formation: a role for transcellular biosynthesis of cysteinyl-leukotrienes. <i>FASEB Journal</i> , 2004 , 18, 842-4 | 0.9 | 61 |
| 56 | Topographic distribution of direct and hippocampus- mediated entorhinal cortex activity evoked by olfactory tract stimulation. <i>European Journal of Neuroscience</i> , 2004 , 20, 1897-905 | 3.5 | 24 |
| 55 | Molecular anatomy of the cerebral microvessels in the isolated guinea-pig brain. <i>Brain Research</i> , 2004 , 999, 81-90 | 3.7 | 24 |
| 54 | Cytoarchitectonic characterization of the parahippocampal region of the guinea pig. <i>Journal of Comparative Neurology</i> , 2004 , 474, 289-303 | 3.4 | 21 |
| 53 | The rhinal cortices: a wall of inhibition between the neocortex and the hippocampus. <i>Progress in Neurobiology</i> , 2004 , 74, 101-10 | 10.9 | 145 |
| 52 | Slow periodic events and their transition to gamma oscillations in the entorhinal cortex of the isolated Guinea pig brain. <i>Journal of Neurophysiology</i> , 2003 , 90, 39-46 | 3.2 | 40 |
| 51 | Epileptiform ictal discharges are prevented by periodic interictal spiking in the olfactory cortex. <i>Annals of Neurology</i> , 2003 , 53, 382-9 | 9.4 | 59 |
| 50 | Olfactory input to the parahippocampal region of the isolated guinea pig brain reveals weak entorhinal-to-perirhinal interactions. <i>European Journal of Neuroscience</i> , 2003 , 18, 95-101 | 3.5 | 38 |
| 49 | Propagation pattern of entorhinal cortex subfields to the dentate gyrus in the guinea-pig: an electrophysiological study. <i>Neuroscience</i> , 2003 , 122, 843-51 | 3.9 | 10 |
| 48 | Firm Adhesion of Neutrophils to Cerebral Vascular Endothelium In Vivo—A Role for Cysleukotrienes. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 35-38 | 3.6 | |
| 47 | Associative interactions within the superficial layers of the entorhinal cortex of the guinea pig. <i>Journal of Neurophysiology</i> , 2002 , 88, 1159-65 | 3.2 | 22 |

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|----|--|------|-----|
| 46 | Enhancement of temporal and spatial synchronization of entorhinal gamma activity by phase reset. <i>Hippocampus</i> , 2002 , 12, 447-56 | 3.5 | 10 |
| 45 | Propagation of neuronal activity along the neocortical-perirhinal-entorhinal pathway in the guinea pig. <i>Journal of Neuroscience</i> , 2002 , 22, 9972-9 | 6.6 | 52 |
| 44 | Ni ²⁺ slows the activation kinetics of high-voltage-activated Ca ²⁺ currents in cortical neurons: evidence for a mechanism of action independent of channel-pore block. <i>Journal of Membrane Biology</i> , 2001 , 179, 243-62 | 2.3 | 12 |
| 43 | Discharge threshold is enhanced for several seconds after a single interictal spike in a model of focal epileptogenesis. <i>European Journal of Neuroscience</i> , 2001 , 14, 174-8 | 3.5 | 26 |
| 42 | Blood-brain barrier preservation in the in vitro isolated guinea pig brain preparation. <i>Journal of Neuroscience Research</i> , 2001 , 66, 289-97 | 4.4 | 31 |
| 41 | Interictal spikes in focal epileptogenesis. <i>Progress in Neurobiology</i> , 2001 , 63, 541-67 | 10.9 | 316 |
| 40 | Network activity evoked by neocortical stimulation in area 36 of the guinea pig perirhinal cortex. <i>Journal of Neurophysiology</i> , 2001 , 86, 164-72 | 3.2 | 44 |
| 39 | Pharmacological and biophysical characterization of voltage-gated calcium currents in the endopiriform nucleus of the guinea pig. <i>Journal of Neurophysiology</i> , 2001 , 85, 2076-87 | 3.2 | 12 |
| 38 | A blocker-resistant, fast-decaying, intermediate-threshold calcium current in palaeocortical pyramidal neurons. <i>European Journal of Neuroscience</i> , 2000 , 12, 2376-86 | 3.5 | 12 |
| 37 | Layer-specific immunocytochemical localization of GABA(B)R1a and GABA(B)R1b receptors in the rat piriform cortex. <i>European Journal of Neuroscience</i> , 2000 , 12, 1516-20 | 3.5 | 13 |
| 36 | Olfactory inputs activate the medial entorhinal cortex via the hippocampus. <i>Journal of Neurophysiology</i> , 2000 , 83, 1924-31 | 3.2 | 72 |
| 35 | Evidence for spatial modules mediated by temporal synchronization of carbachol-induced gamma rhythm in medial entorhinal cortex. <i>Journal of Neuroscience</i> , 2000 , 20, 7846-54 | 6.6 | 60 |
| 34 | TOWARDS A VERSATILE SYSTEM FOR ADVANCED NEURONAL RECORDINGS USING SILICON MULTISITE MICROELECTRODES.. <i>Biomedizinische Technik</i> , 2000 , 45, 169-170 | 1.3 | 3 |
| 33 | Nitric oxide synthase inhibitors unmask acetylcholine-mediated constriction of cerebral vessels in the in vitro isolated guinea-pig brain. <i>Neuroscience</i> , 2000 , 101, 283-7 | 3.9 | 23 |
| 32 | The role of the thalamus in vigilance and epileptogenic mechanisms. <i>Clinical Neurophysiology</i> , 2000 , 111 Suppl 2, S19-26 | 4.3 | 80 |
| 31 | Carbachol induces fast oscillations in the medial but not in the lateral entorhinal cortex of the isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 1999 , 82, 2441-50 | 3.2 | 34 |
| 30 | Biophysical and pharmacological diversity of high-voltage-activated calcium currents in layer II neurones of guinea-pig piriform cortex. <i>Journal of Physiology</i> , 1999 , 518 (Pt 3), 705-20 | 3.9 | 8 |
| 29 | Optical recording of cortical activity after in vitro perfusion of cerebral arteries with a voltage-sensitive dye. <i>Brain Research</i> , 1999 , 837, 314-9 | 3.7 | 29 |

| | | | |
|----|---|-----|-----|
| 28 | Arterial supply of limbic structures in the guinea pig. <i>Journal of Comparative Neurology</i> , 1999 , 411, 674-83 | 4 | 23 |
| 27 | Cellular mechanisms underlying spontaneous interictal spikes in an acute model of focal cortical epileptogenesis. <i>Neuroscience</i> , 1999 , 88, 107-17 | 3.9 | 47 |
| 26 | Calcium-binding protein immunoreactivity in the piriform cortex of the guinea-pig: selective staining of subsets of non-GABAergic neurons by calretinin. <i>Neuroscience</i> , 1998 , 83, 229-37 | 3.9 | 23 |
| 25 | Simultaneous investigation of the neuronal and vascular compartments in the guinea pig brain isolated in vitro. <i>Brain Research Protocols</i> , 1998 , 3, 221-8 | | 78 |
| 24 | Modalities of distortion of physiological voltage signals by patch-clamp amplifiers: a modeling study. <i>Biophysical Journal</i> , 1998 , 74, 831-42 | 2.9 | 52 |
| 23 | Activity-dependent pH shifts and periodic recurrence of spontaneous interictal spikes in a model of focal epileptogenesis. <i>Journal of Neuroscience</i> , 1998 , 18, 7543-51 | 6.6 | 134 |
| 22 | Low-voltage activated T-type calcium currents are differently expressed in superficial and deep layers of guinea pig piriform cortex. <i>Journal of Neurophysiology</i> , 1998 , 79, 808-16 | 3.2 | 23 |
| 21 | Persistent excitability changes in the piriform cortex of the isolated guinea-pig brain after transient exposure to bicuculline. <i>European Journal of Neuroscience</i> , 1997 , 9, 435-51 | 3.5 | 37 |
| 20 | Long-term survival of cortical neurones from adult guinea-pig maintained in low-density cultures. <i>NeuroReport</i> , 1996 , 7, 1559-64 | 1.7 | 5 |
| 19 | Propagation of epileptiform potentials in the guinea-pig piriform cortex is sustained by associative fibres. <i>Epilepsy Research</i> , 1996 , 24, 137-46 | 3 | 15 |
| 18 | Cortical versus thalamic mechanisms underlying spike and wave discharges in GAERS. <i>Epilepsy Research</i> , 1996 , 26, 37-44 | 3 | 50 |
| 17 | Interactions between associative synaptic potentials in the piriform cortex of the in vitro isolated guinea pig brain. <i>European Journal of Neuroscience</i> , 1996 , 8, 1350-7 | 3.5 | 15 |
| 16 | Epileptiform activity in the piriform cortex of the in vitro isolated guinea pig brain preparation. <i>Epilepsy Research</i> , 1996 , 26, 75-80 | 3 | 8 |
| 15 | Associative synaptic potentials in the piriform cortex of the isolated guinea-pig brain in vitro. <i>European Journal of Neuroscience</i> , 1995 , 7, 54-64 | 3.5 | 34 |
| 14 | Selective increase in T-type calcium conductance of reticular thalamic neurons in a rat model of absence epilepsy. <i>Journal of Neuroscience</i> , 1995 , 15, 3110-7 | 6.6 | 326 |
| 13 | Multifocal spontaneous epileptic activity induced by restricted bicuculline ejection in the piriform cortex of the isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 1994 , 71, 2463-76 | 3.2 | 65 |
| 12 | Ultrastructural features of the isolated guinea-pig brain maintained in vitro by arterial perfusion. <i>Neuroscience</i> , 1994 , 59, 775-88 | 3.9 | 17 |
| 11 | Fluoride reversibly blocks HVA calcium current in mammalian thalamic neurones. <i>NeuroReport</i> , 1994 , 5, 553-6 | 1.7 | 12 |

| | | | |
|----|---|------|-----|
| 10 | Entorhinal cortex long-term potentiation evoked by theta-patterned stimulation of associative fibers in the isolated in vitro guinea pig brain. <i>Brain Research</i> , 1993 , 600, 327-30 | 3.7 | 28 |
| 9 | The isolated and perfused brain of the guinea-pig in vitro. <i>European Journal of Neuroscience</i> , 1993 , 5, 915-26 | 3.5 | 135 |
| 8 | Role of the hippocampal-entorhinal loop in temporal lobe epilepsy: extra- and intracellular study in the isolated guinea pig brain in vitro. <i>Journal of Neuroscience</i> , 1992 , 12, 1867-81 | 6.6 | 143 |
| 7 | Physiological properties of GABAergic thalamic reticular neurons studied in vitro: relevance to thalamocortical synchronizing mechanisms. <i>Epilepsy Research Supplement</i> , 1992 , 8, 117-24 | | 1 |
| 6 | The electrophysiology of the olfactory-hippocampal circuit in the isolated and perfused adult mammalian brain in vitro. <i>Hippocampus</i> , 1991 , 1, 341-54 | 3.5 | 107 |
| 5 | Postsynaptic Hebbian and non-Hebbian long-term potentiation of synaptic efficacy in the entorhinal cortex in slices and in the isolated adult guinea pig brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 9280-4 | 11.5 | 92 |
| 4 | Excitatory amino acids mediate responses elicited in vitro by stimulation of cortical afferents to reticularis thalami neurons of the rat. <i>Neuroscience</i> , 1989 , 33, 275-83 | 3.9 | 58 |
| 3 | Intrinsic properties of nucleus reticularis thalami neurones of the rat studied in vitro. <i>Journal of Physiology</i> , 1989 , 416, 111-22 | 3.9 | 149 |
| 2 | Electrophysiological characteristics of morphologically identified reticular thalamic neurons from rat slices. <i>Neuroscience</i> , 1988 , 27, 629-38 | 3.9 | 94 |
| 1 | Long-latency, nonreciprocal reflex responses of antagonistic hind limb muscles after cutaneous nerve stimulation in the cat. <i>Experimental Neurology</i> , 1982 , 76, 58-71 | 5.7 | 10 |