

Graham L Collingridge

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.

319
papers

43,294
citations

95
h-index

204
g-index

352
ext. papers

46,448
ext. citations

9.3
avg, IF

7.32
L-index

#	Paper	IF	Citations
319	GSK-3 β regulates the synaptic expression of NMDA receptors via phosphorylation of phosphatidylinositol 4 kinase type III <i>European Journal of Neuroscience</i> , 2021 , 54, 6815-6825	3.5	3
318	The GSK-3 Inhibitor CT99021 Enhances the Acquisition of Spatial Learning and the Accuracy of Spatial Memory.. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 804130	6.1	0
317	Synthesis and pharmacological characterisation of arctigenin analogues as antagonists of AMPA and kainate receptors. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 9154-9162	3.9	0
316	Multiple roles of GluN2D-containing NMDA receptors in short-term potentiation and long-term potentiation in mouse hippocampal slices. <i>Neuropharmacology</i> , 2021 , 201, 108833	5.5	3
315	Further evidence that CP-AMPA receptors are critically involved in synaptic tag and capture at hippocampal CA1 synapses. <i>Molecular Brain</i> , 2021 , 14, 26	4.5	0
314	A tribute to Chris Parsons. <i>Neuropharmacology</i> , 2021 , 195, 108633	5.5	1
313	PKA drives an increase in AMPA receptor unitary conductance during LTP in the hippocampus. <i>Nature Communications</i> , 2021 , 12, 413	17.4	8
312	Optogenetic Manipulation of Postsynaptic cAMP Using a Novel Transgenic Mouse Line Enables Synaptic Plasticity and Enhances Depolarization Following Tetanic Stimulation in the Hippocampal Dentate Gyrus. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 24	3.5	3
311	Autism-Misregulated eIF4G Microexons Control Synaptic Translation and Higher Order Cognitive Functions. <i>Molecular Cell</i> , 2020 , 77, 1176-1192.e16	17.6	32
310	Structural basis of subtype-selective competitive antagonism for GluN2C/2D-containing NMDA receptors. <i>Nature Communications</i> , 2020 , 11, 423	17.4	10
309	Illuminating Relationships Between the Pre- and Post-synapse. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 9	3.5	2
308	Mice lacking neuronal calcium sensor-1 show social and cognitive deficits. <i>Behavioural Brain Research</i> , 2020 , 381, 112420	3.4	4
307	(2,6)- and (2,6)-hydroxynorketamine inhibit the induction of NMDA receptor-dependent LTP at hippocampal CA1 synapses in mice. <i>Brain and Neuroscience Advances</i> , 2020 , 4, 2398212820957847	4	3
306	On the Role of Calcium-Permeable AMPARs in Long-Term Potentiation and Synaptic Tagging in the Rodent Hippocampus. <i>Frontiers in Synaptic Neuroscience</i> , 2019 , 11, 4	3.5	12
305	Differential sensitivity of three forms of hippocampal synaptic potentiation to depotentiation. <i>Molecular Brain</i> , 2019 , 12, 30	4.5	5
304	The Hippocampus Is the Place to Be: Opioid Receptors and LTP. <i>Cell Reports</i> , 2019 , 28, 1117-1118	10.6	1
303	Investigation of the structural requirements for N-methyl-D-aspartate receptor positive and negative allosteric modulators based on 2-naphthoic acid. <i>European Journal of Medicinal Chemistry</i> , 2019 , 164, 471-498	6.8	8

302	Rapid Turnover of Cortical NCAM1 Regulates Synaptic Reorganization after Peripheral Nerve Injury. <i>Cell Reports</i> , 2018 , 22, 748-759	10.6	25
301	NMDAR-dependent Argonaute 2 phosphorylation regulates miRNA activity and dendritic spine plasticity. <i>EMBO Journal</i> , 2018 , 37,	13	23
300	Long-term potentiation in the hippocampus: discovery, mechanisms and function. <i>Neuroforum</i> , 2018 , 24, A103-A120	0.7	40
299	Some distorted thoughts about ketamine as a psychedelic and a novel hypothesis based on NMDA receptor-mediated synaptic plasticity. <i>Neuropharmacology</i> , 2018 , 142, 30-40	5.5	20
298	The C-terminal tails of endogenous GluA1 and GluA2 differentially contribute to hippocampal synaptic plasticity and learning. <i>Nature Neuroscience</i> , 2018 , 21, 50-62	25.5	71
297	Corrigendum to: Long-term potentiation in the hippocampus: discovery, mechanisms and function. <i>Neuroforum</i> , 2018 , 24, A91-A91	0.7	
296	Corrigendum zu: Langzeitpotenzierung im Hippokampus: Entdeckung, Mechanismen und Funktion. <i>Neuroforum</i> , 2018 , 24, 305-305	0.7	
295	Langzeitpotenzierung im Hippokampus: Entdeckung, Mechanismen und Funktion. <i>Neuroforum</i> , 2018 , 24, 163-185	0.7	
294	The Probability of Neurotransmitter Release Governs AMPA Receptor Trafficking via Activity-Dependent Regulation of mGluR1 Surface Expression. <i>Cell Reports</i> , 2018 , 25, 3631-3646.e3	10.6	8
293	The Role of Calcium-Permeable AMPARs in Long-Term Potentiation at Principal Neurons in the Rodent Hippocampus. <i>Frontiers in Synaptic Neuroscience</i> , 2018 , 10, 42	3.5	36
292	Prevalence and influence of cys407* Grm2 mutation in Hannover-derived Wistar rats: mGlu2 receptor loss links to alcohol intake, risk taking and emotional behaviour. <i>Neuropharmacology</i> , 2017 , 115, 128-138	5.5	34
291	Learning about Synaptic GluA3. <i>Neuron</i> , 2017 , 93, 254-256	13.9	2
290	Differential ability of the dorsal and ventral rat hippocampus to exhibit group I metabotropic glutamate receptor-dependent synaptic and intrinsic plasticity. <i>Brain and Neuroscience Advances</i> , 2017 , 1,	4	9
289	Regulation of Hippocampal mGluR-Dependent Long-Term Depression by GluA2-Dependent Cofilin-Mediated Actin Remodeling 2017 , 225-239		1
288	Mechanism and properties of positive allosteric modulation of N-methyl-d-aspartate receptors by 6-alkyl 2-naphthoic acid derivatives. <i>Neuropharmacology</i> , 2017 , 125, 64-79	5.5	14
287	Synaptoimmunology - roles in health and disease. <i>Molecular Brain</i> , 2017 , 10, 26	4.5	21
286	Ephendidine: A new psychoactive agent with ketamine-like NMDA receptor antagonist properties. <i>Neuropharmacology</i> , 2017 , 112, 144-149	5.5	19
285	Developmental regulation of hippocampal long-term depression by cofilin-mediated actin reorganization. <i>Neuropharmacology</i> , 2017 , 112, 66-75	5.5	8

284	Antidepressant Actions of Ketamine Versus Hydroxynorketamine. <i>Biological Psychiatry</i> , 2017 , 81, e65-e67.9	30
283	Multiple roles of GluN2B-containing NMDA receptors in synaptic plasticity in juvenile hippocampus. <i>Neuropharmacology</i> , 2017 , 112, 76-83	5.5 22
282	Synaptic plasticity in the anterior cingulate cortex in acute and chronic pain. <i>Nature Reviews Neuroscience</i> , 2016 , 17, 485-96	13.5 293
281	Hippocampal metabotropic glutamate receptor long-term depression in health and disease: focus on mitogen-activated protein kinase pathways. <i>Journal of Neurochemistry</i> , 2016 , 139 Suppl 2, 200-214	6 38
280	Calcium-Permeable AMPA Receptors Mediate the Induction of the Protein Kinase A-Dependent Component of Long-Term Potentiation in the Hippocampus. <i>Journal of Neuroscience</i> , 2016 , 36, 622-31	6.6 59
279	The Role of Hippocampal NMDA Receptors in Long-Term Emotional Responses following Muscarinic Receptor Activation. <i>PLoS ONE</i> , 2016 , 11, e0147293	3.7 9
278	Pharmacological Investigations of the Dissociative Receptor Highs PDiphenidine, Methoxphenidine and Analogues. <i>PLoS ONE</i> , 2016 , 11, e0157021	3.7 46
277	Synthesis of a Series of Novel 3,9-Disubstituted Phenanthrenes as Analogues of Known NMDA Receptor Allosteric Modulators. <i>Synthesis</i> , 2015 , 47, 1593-1610	2.9 7
276	An interchangeable role for kainate and metabotropic glutamate receptors in the induction of rat hippocampal mossy fiber long-term potentiation in vivo. <i>Hippocampus</i> , 2015 , 25, 1407-17	3.5 5
275	Intracellular oligomeric amyloid-beta rapidly regulates GluA1 subunit of AMPA receptor in the hippocampus. <i>Scientific Reports</i> , 2015 , 5, 10934	4.9 54
274	Bidirectional modulation of hyperalgesia via the specific control of excitatory and inhibitory neuronal activity in the ACC. <i>Molecular Brain</i> , 2015 , 8, 81	4.5 80
273	Trans-Modulation of the Somatostatin Type 2A Receptor Trafficking by Insulin-Regulated Aminopeptidase Decreases Limbic Seizures. <i>Journal of Neuroscience</i> , 2015 , 35, 11960-75	6.6 14
272	Coexistence of two forms of LTP in ACC provides a synaptic mechanism for the interactions between anxiety and chronic pain. <i>Neuron</i> , 2015 , 85, 377-89	13.9 175
271	Long-term potentiation and the role of N-methyl-D-aspartate receptors. <i>Brain Research</i> , 2015 , 1621, 5-16	3.7 151
270	Strippers reveal their depressing secrets: removing AMPA receptors. <i>Neuron</i> , 2014 , 82, 3-6	13.9 8
269	Microtubule-associated protein tau is essential for long-term depression in the hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130144	5.8 176
268	Rapid regulation of endoplasmic reticulum dynamics in dendritic spines by NMDA receptor activation. <i>Molecular Brain</i> , 2014 , 7, 60	4.5 19
267	NMDA receptor-dependent long-term potentiation comprises a family of temporally overlapping forms of synaptic plasticity that are induced by different patterns of stimulation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130131	5.8 80

266	Effects of PI3K β overexpression in the hippocampus on synaptic plasticity and spatial learning. <i>Molecular Brain</i> , 2014 , 7, 78	4.5	26
265	Shank mutant mice as an animal model of autism. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130143	5.8	47
264	Expression of NMDA receptor-dependent LTP in the hippocampus: bridging the divide. <i>Molecular Brain</i> , 2013 , 6, 5	4.5	193
263	Long-term depression of synaptic transmission in the adult mouse insular cortex in vitro. <i>European Journal of Neuroscience</i> , 2013 , 38, 3128-45	3.5	25
262	Wavelet transform-based de-noising for two-photon imaging of synaptic Ca ²⁺ transients. <i>Biophysical Journal</i> , 2013 , 104, 1006-17	2.9	9
261	Long-term potentiation of synaptic transmission in the adult mouse insular cortex: multielectrode array recordings. <i>Journal of Neurophysiology</i> , 2013 , 110, 505-21	3.2	49
260	Acute stress causes rapid synaptic insertion of Ca ²⁺ -permeable AMPA receptors to facilitate long-term potentiation in the hippocampus. <i>Brain</i> , 2013 , 136, 3753-65	11.2	71
259	Different NMDA receptor subtypes mediate induction of long-term potentiation and two forms of short-term potentiation at CA1 synapses in rat hippocampus in vitro. <i>Journal of Physiology</i> , 2013 , 591, 955-72	3.9	58
258	The small GTPase Arf1 modulates Arp2/3-mediated actin polymerization via PICK1 to regulate synaptic plasticity. <i>Neuron</i> , 2013 , 79, 293-307	13.9	65
257	Antagonists reversibly reverse chemical LTD induced by group I, group II and group III metabotropic glutamate receptors. <i>Neuropharmacology</i> , 2013 , 74, 135-46	5.5	25
256	Differentiating the roles of mGlu2 and mGlu3 receptors using LY541850, an mGlu2 agonist/mGlu3 antagonist. <i>Neuropharmacology</i> , 2013 , 66, 114-21	5.5	22
255	Characterisation of an mGlu8 receptor-selective agonist and antagonist in the lateral and medial perforant path inputs to the dentate gyrus. <i>Neuropharmacology</i> , 2013 , 67, 294-303	5.5	13
254	Selective activation of either mGlu2 or mGlu3 receptors can induce LTD in the amygdala. <i>Neuropharmacology</i> , 2013 , 66, 196-201	5.5	15
253	G protein-coupled receptor kinase 2 and group I metabotropic glutamate receptors mediate inflammation-induced sensitization to excitotoxic neurodegeneration. <i>Annals of Neurology</i> , 2013 , 73, 667-78	9.4	38
252	The NMDA receptor as a target for cognitive enhancement. <i>Neuropharmacology</i> , 2013 , 64, 13-26	5.5	175
251	The role of JAK-STAT signaling within the CNS. <i>Jak-stat</i> , 2013 , 2, e22925		157
250	The roles of STP and LTP in synaptic encoding. <i>PeerJ</i> , 2013 , 1, e3	3.1	27
249	Automated multi-slice extracellular and patch-clamp experiments using the WinLTP data acquisition system with automated perfusion control. <i>Journal of Neuroscience Methods</i> , 2012 , 207, 148-60		7

248	A pivotal role of GSK-3 in synaptic plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2012 , 5, 13	6.1	119
247	Synaptic kainate receptors in CA1 interneurons gate the threshold of theta-frequency-induced long-term potentiation. <i>Journal of Neuroscience</i> , 2012 , 32, 18215-26	6.6	10
246	Activation of microglial N-methyl-D-aspartate receptors triggers inflammation and neuronal cell death in the developing and mature brain. <i>Annals of Neurology</i> , 2012 , 72, 536-49	9.4	148
245	Inactivation of the constitutively active ghrelin receptor attenuates limbic seizure activity in rodents. <i>Neurotherapeutics</i> , 2012 , 9, 658-72	6.4	26
244	Piperazine-2,3-dicarboxylic acid derivatives as dual antagonists of NMDA and GluK1-containing kainate receptors. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 327-41	8.3	16
243	The Jak/STAT pathway is involved in synaptic plasticity. <i>Neuron</i> , 2012 , 73, 374-90	13.9	147
242	Alterations in hippocampal excitability, synaptic transmission and synaptic plasticity in a neurodevelopmental model of schizophrenia. <i>Neuropharmacology</i> , 2012 , 62, 1349-58	5.5	38
241	Targeting synaptic dysfunction in Alzheimer β disease therapy. <i>Molecular Neurobiology</i> , 2012 , 46, 572-87	6.2	62
240	Coumarin-3-carboxylic acid derivatives as potentiators and inhibitors of recombinant and native N-methyl-D-aspartate receptors. <i>Neurochemistry International</i> , 2012 , 61, 593-600	4.4	29
239	A novel anti-epileptic agent, perampanel, selectively inhibits AMPA receptor-mediated synaptic transmission in the hippocampus. <i>Neurochemistry International</i> , 2012 , 61, 517-22	4.4	75
238	Differences in kainate receptor involvement in hippocampal mossy fibre long-term potentiation depending on slice orientation. <i>Neurochemistry International</i> , 2012 , 61, 482-9	4.4	12
237	The methylazoxymethanol acetate (MAM-E17) rat model: molecular and functional effects in the hippocampus. <i>Neuropsychopharmacology</i> , 2012 , 37, 364-77	8.7	45
236	Plasticity of metabotropic glutamate receptor-dependent long-term depression in the anterior cingulate cortex after amputation. <i>Journal of Neuroscience</i> , 2012 , 32, 11318-29	6.6	56
235	Synaptic plasticity in the hippocampal slice preparation. <i>Current Protocols in Neuroscience</i> , 2011 , Chapter 6, Unit 6.13	2.7	19
234	PI3K β required for NMDA receptor-dependent long-term depression and behavioral flexibility. <i>Nature Neuroscience</i> , 2011 , 14, 1447-54	25.5	114
233	Metabotropic glutamate receptors: from the workbench to the bedside. <i>Neuropharmacology</i> , 2011 , 60, 1017-41	5.5	457
232	LTP in hippocampal neurons is associated with a CaMKII-mediated increase in GluA1 surface expression. <i>Journal of Neurochemistry</i> , 2011 , 116, 530-43	6	33
231	Sustained calcium signalling and caspase-3 activation involve NMDA receptors in thymocytes in contact with dendritic cells. <i>Cell Death and Differentiation</i> , 2011 , 18, 99-108	12.7	39

230	A(1-42) inhibition of LTP is mediated by a signaling pathway involving caspase-3, Akt1 and GSK-3β <i>Nature Neuroscience</i> , 2011 , 14, 545-7	25.5	240
229	Erasing injury-related cortical synaptic potentiation as a new treatment for chronic pain. <i>Journal of Molecular Medicine</i> , 2011 , 89, 847-55	5.5	21
228	Differential trafficking of AMPA receptors following activation of NMDA receptors and mGluRs. <i>Molecular Brain</i> , 2011 , 4, 30	4.5	32
227	Study of novel selective mGlu2 agonist in the temporo-ammonic input to CA1 neurons reveals reduced mGlu2 receptor expression in a Wistar substrain with an anxiety-like phenotype. <i>Journal of Neuroscience</i> , 2011 , 31, 6721-31	6.6	29
226	Synergistic interactions between kainate and mGlu receptors regulate bouton Ca signalling and mossy fibre LTP. <i>Scientific Reports</i> , 2011 , 1, 103	4.9	17
225	Disruption of the interaction between myosin VI and SAP97 is associated with a reduction in the number of AMPARs at hippocampal synapses. <i>Journal of Neurochemistry</i> , 2010 , 112, 677-90	6	39
224	Long-term depression in the CNS. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 459-73	13.5	644
223	Muscarinic receptors induce LTD of NMDAR EPSCs via a mechanism involving hippocalcin, AP2 and PSD-95. <i>Nature Neuroscience</i> , 2010 , 13, 1216-24	25.5	78
222	A study of long-term potentiation in transgenic mice over-expressing mutant forms of both amyloid precursor protein and presenilin-1. <i>Molecular Brain</i> , 2010 , 3, 21	4.5	10
221	Alleviating neuropathic pain hypersensitivity by inhibiting PKMzeta in the anterior cingulate cortex. <i>Science</i> , 2010 , 330, 1400-4	33.3	293
220	GLUK1 receptor antagonists and hippocampal mossy fiber function. <i>International Review of Neurobiology</i> , 2009 , 85, 13-27	4.4	6
219	Rapid endocytosis provides restricted somatic expression of a K ⁺ channel in central neurons. <i>Journal of Cell Science</i> , 2009 , 122, 4186-94	5.3	14
218	A nomenclature for ligand-gated ion channels. <i>Neuropharmacology</i> , 2009 , 56, 2-5	5.5	458
217	ACET is a highly potent and specific kainate receptor antagonist: characterisation and effects on hippocampal mossy fibre function. <i>Neuropharmacology</i> , 2009 , 56, 121-30	5.5	39
216	Kainate receptors: pharmacology, function and therapeutic potential. <i>Neuropharmacology</i> , 2009 , 56, 90-113	5.5	211
215	Tyrosine dephosphorylation regulates AMPAR internalisation in mGluR-LTD. <i>Molecular and Cellular Neurosciences</i> , 2009 , 40, 267-79	4.8	58
214	A novel mechanism of hippocampal LTD involving muscarinic receptor-triggered interactions between AMPARs, GRIP and liprin-alpha. <i>Molecular Brain</i> , 2009 , 2, 18	4.5	53
213	A systematic investigation of the protein kinases involved in NMDA receptor-dependent LTD: evidence for a role of GSK-3 but not other serine/threonine kinases. <i>Molecular Brain</i> , 2009 , 2, 22	4.5	73

212	Neuronal calcium sensors and synaptic plasticity. <i>Biochemical Society Transactions</i> , 2009 , 37, 1359-63	5.1	39
211	Co-activation of p38 mitogen-activated protein kinase and protein tyrosine phosphatase underlies metabotropic glutamate receptor-dependent long-term depression. <i>Journal of Physiology</i> , 2008 , 586, 2499-510	3.9	80
210	The use of the hippocampal slice preparation in the study of Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2008 , 585, 50-9	5.3	15
209	An essential role for PICK1 in NMDA receptor-dependent bidirectional synaptic plasticity. <i>Neuron</i> , 2008 , 57, 872-82	13.9	137
208	Metabotropic glutamate receptor-mediated LTD involves two interacting Ca(2+) sensors, NCS-1 and PICK1. <i>Neuron</i> , 2008 , 60, 1095-111	13.9	81
207	The induction of long-term plasticity of non-synaptic, synchronized activity by the activation of group I mGluRs. <i>Neuropharmacology</i> , 2008 , 55, 459-63	5.5	7
206	An analysis of the stimulus requirements for setting the molecular switch reveals a lower threshold for metaplasticity than synaptic plasticity. <i>Neuropharmacology</i> , 2008 , 55, 454-8	5.5	11
205	Mechanisms involved in the reduction of GABAA receptor alpha1-subunit expression caused by the epilepsy mutation A322D in the trafficking-competent receptor. <i>Journal of Biological Chemistry</i> , 2008 , 283, 22043-50	5.4	26
204	The tyrosine phosphatase STEP mediates AMPA receptor endocytosis after metabotropic glutamate receptor stimulation. <i>Journal of Neuroscience</i> , 2008 , 28, 10561-6	6.6	143
203	Capabilities of the WinLTP data acquisition program extending beyond basic LTP experimental functions. <i>Journal of Neuroscience Methods</i> , 2007 , 162, 346-56	3	167
202	Inhibition of kainate receptors reduces the frequency of hippocampal theta oscillations. <i>Journal of Neuroscience</i> , 2007 , 27, 2212-23	6.6	28
201	LTP inhibits LTD in the hippocampus via regulation of GSK3beta. <i>Neuron</i> , 2007 , 53, 703-17	13.9	547
200	Presynaptic mechanisms involved in the expression of STP and LTP at CA1 synapses in the hippocampus. <i>Neuropharmacology</i> , 2007 , 52, 1-11	5.5	67
199	Differential roles of NR2A and NR2B-containing NMDA receptors in LTP and LTD in the CA1 region of two-week old rat hippocampus. <i>Neuropharmacology</i> , 2007 , 52, 60-70	5.5	219
198	Synthesis and pharmacological characterization of N3-substituted willardiine derivatives: role of the substituent at the 5-position of the uracil ring in the development of highly potent and selective GLUK5 kainate receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1558-70	8.3	58
197	Tyrosine phosphatases regulate AMPA receptor trafficking during metabotropic glutamate receptor-mediated long-term depression. <i>Journal of Neuroscience</i> , 2006 , 26, 2544-54	6.6	151
196	Neuroscience. ZAP and ZIP, a story to forget. <i>Science</i> , 2006 , 313, 1058-9	33.3	40
195	Functional maturation of CA1 synapses involves activity-dependent loss of tonic kainate receptor-mediated inhibition of glutamate release. <i>Neuron</i> , 2006 , 50, 415-29	13.9	108

194	Promiscuous interactions between AMPA-Rs and MAGUKs. <i>Neuron</i> , 2006 , 52, 222-4	13.9	17
193	Transient incorporation of native GluR2-lacking AMPA receptors during hippocampal long-term potentiation. <i>Nature Neuroscience</i> , 2006 , 9, 602-4	25.5	414
192	Novel pharmacological targets for the treatment of Parkinson's disease. <i>Nature Reviews Drug Discovery</i> , 2006 , 5, 845-54	64.1	229
191	Structure-activity relationship studies on N3-substituted willardiine derivatives acting as AMPA or kainate receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2579-92	8.3	47
190	Kainate receptors and mossy fiber LTP. <i>NeuroToxicology</i> , 2005 , 26, 769-77	4.4	35
189	Hippocalcin functions as a calcium sensor in hippocampal LTD. <i>Neuron</i> , 2005 , 47, 487-94	13.9	113
188	The regulation of hippocampal LTP by the molecular switch, a form of metaplasticity, requires mGlu5 receptors. <i>Neuropharmacology</i> , 2005 , 49 Suppl 1, 13-25	5.5	64
187	Synthesis and pharmacology of willardiine derivatives acting as antagonists of kainate receptors. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 7867-81	8.3	44
186	Mechanisms contributing to the exacerbated epileptiform activity in hippocampal slices expressing a C-terminal truncated GABA(B2) receptor subunit. <i>Epilepsy Research</i> , 2005 , 65, 41-51	3	7
185	Synaptic transmission and synchronous activity is disrupted in hippocampal slices taken from aged TAS10 mice. <i>Hippocampus</i> , 2005 , 15, 110-7	3.5	30
184	Endogenous activation of kainate receptors regulates glutamate release and network activity in the developing hippocampus. <i>Journal of Neuroscience</i> , 2005 , 25, 4473-84	6.6	95
183	Removal of AMPA receptors (AMPA-Rs) from synapses is preceded by transient endocytosis of extrasynaptic AMPARs. <i>Journal of Neuroscience</i> , 2004 , 24, 5172-6	6.6	201
182	Regulation of synaptic strength and AMPA receptor subunit composition by PICK1. <i>Journal of Neuroscience</i> , 2004 , 24, 5381-90	6.6	151
181	Differential roles of NR2A and NR2B-containing NMDA receptors in cortical long-term potentiation and long-term depression. <i>Journal of Neuroscience</i> , 2004 , 24, 7821-8	6.6	560
180	Multiple, developmentally regulated expression mechanisms of long-term potentiation at CA1 synapses. <i>Journal of Neuroscience</i> , 2004 , 24, 4903-11	6.6	63
179	Receptor trafficking and synaptic plasticity. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 952-62	13.5	800
178	Interactions between NMDA receptors and mGlu5 receptors expressed in HEK293 cells. <i>British Journal of Pharmacology</i> , 2004 , 142, 991-1001	8.6	38
177	The GABA(B2) subunit is critical for the trafficking and function of native GABA(B) receptors. <i>Biochemical Pharmacology</i> , 2004 , 68, 1655-66	6	38

176	Endocannabinoids: losing inhibition to increase learning capacity?. <i>Neuron</i> , 2004 , 43, 762-4	13.9	2
175	Characterisation of UBP296: a novel, potent and selective kainate receptor antagonist. <i>Neuropharmacology</i> , 2004 , 47, 46-64	5.5	87
174	Characterisation of the effects of ATPA, a GLU(K5) kainate receptor agonist, on GABAergic synaptic transmission in the CA1 region of rat hippocampal slices. <i>Neuropharmacology</i> , 2004 , 47, 363-72	5.5	20
173	Bi-directional modulation of AMPA receptor unitary conductance by synaptic activity. <i>BMC Neuroscience</i> , 2004 , 5, 44	3.2	50
172	Delineation of the Physiological Role of Kainate Receptors by Use of Subtype Selective Ligands 2004 , 27-46		
171	Hippocampal synaptic plasticity in mice carrying the rd mutation in the gene encoding cGMP phosphodiesterase type 6 (PDE6). <i>Brain Research</i> , 2003 , 967, 144-51	3.7	16
170	Mechanisms contributing to the exacerbated epileptiform activity in hippocampal slices of GABAB1 receptor subunit knockout mice. <i>Epilepsy Research</i> , 2003 , 57, 121-36	3	25
169	Activation of mGlu receptors induces LTD without affecting postsynaptic sensitivity of CA1 neurons in rat hippocampal slices. <i>Journal of Physiology</i> , 2003 , 546, 455-60	3.9	45
168	Parallel kinase cascades are involved in the induction of LTP at hippocampal CA1 synapses. <i>Neuropharmacology</i> , 2003 , 45, 828-36	5.5	45
167	Functional roles of protein interactions with AMPA and kainate receptors. <i>Neuroscience Research</i> , 2003 , 47, 3-15	2.9	40
166	Rapid and differential regulation of AMPA and kainate receptors at hippocampal mossy fibre synapses by PICK1 and GRIP. <i>Neuron</i> , 2003 , 37, 625-38	13.9	187
165	A role for Ca ²⁺ stores in kainate receptor-dependent synaptic facilitation and LTP at mossy fiber synapses in the hippocampus. <i>Neuron</i> , 2003 , 39, 327-41	13.9	160
164	Introduction. Long-term potentiation and structure of the issue. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 607-11	5.8	81
163	GluR2 protein-protein interactions and the regulation of AMPA receptors during synaptic plasticity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 715-20	5.8	22
162	Kainate receptors and the induction of mossy fibre long-term potentiation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 657-66	5.8	43
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1	Characterization of a calcium-activated cytidine triphosphate phosphohydrolase present in dorsal spinal nerve roots. <i>Journal of Neurochemistry</i> , 1978 , 31, 681-4	6	2