

# Mary J Palmer

## List of Publications by Year in descending order

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23  
papers

2,348  
citations

361413

20  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2296  
citing authors

#	ARTICLE	IF	CITATIONS
1	(RS)-2-Chloro-5-Hydroxyphenylglycine (CHPG) Activates mGlu5, but not mGlu1, Receptors Expressed in CHO Cells and Potentiates NMDA Responses in the Hippocampus. <i>Neuropharmacology</i> , 1997, 36, 265-267.	4.1	310
2	The group I mGlu receptor agonist DHPG induces a novel form of LTD in the CA1 region of the hippocampus. <i>Neuropharmacology</i> , 1997, 36, 1517-1532.	4.1	301
3	Hippocampal LTD Expression Involves a Pool of AMPARs Regulated by the NSF-GluR2 Interaction. <i>Neuron</i> , 1999, 24, 389-399.	8.1	298
4	Cholinergic pesticides cause mushroom body neuronal inactivation in honeybees. <i>Nature Communications</i> , 2013, 4, 1634.	12.8	215
5	Activation of group I mGluRs potentiates NMDA responses in rat hippocampal slices. <i>Neuroscience Letters</i> , 1996, 203, 211-213.	2.1	177
6	Synaptic Cleft Acidification and Modulation of Short-Term Depression by Exocytosed Protons in Retinal Bipolar Cells. <i>Journal of Neuroscience</i> , 2003, 23, 11332-11341.	3.6	159
7	A characterisation of long-term depression induced by metabotropic glutamate receptor activation in the rat hippocampus in vitro. <i>Journal of Physiology</i> , 2001, 537, 421-430.	2.9	158
8	The potent mGlu receptor antagonist LY341495 identifies roles for both cloned and novel mGlu receptors in hippocampal synaptic plasticity. <i>Neuropharmacology</i> , 1998, 37, 1445-1458.	4.1	145
9	Synaptic Activation of Presynaptic Glutamate Transporter Currents in Nerve Terminals. <i>Journal of Neuroscience</i> , 2003, 23, 4831-4841.	3.6	98
10	Presynaptic mechanisms involved in the expression of STP and LTP at CA1 synapses in the hippocampus. <i>Neuropharmacology</i> , 2007, 52, 1-11.	4.1	72
11	Multiple, Developmentally Regulated Expression Mechanisms of Long-Term Potentiation at CA1 Synapses. <i>Journal of Neuroscience</i> , 2004, 24, 4903-4911.	3.6	66
12	Bi-directional modulation of AMPA receptor unitary conductance by synaptic activity. <i>BMC Neuroscience</i> , 2004, 5, 44.	1.9	56
13	Activation of mGlu receptors induces LTD without affecting postsynaptic sensitivity of CA1 neurons in rat hippocampal slices. <i>Journal of Physiology</i> , 2003, 546, 455-460.	2.9	46
14	Mathematical modelling of non-stationary fluctuation analysis for studying channel properties of synaptic AMPA receptors. <i>Journal of Physiology</i> , 2001, 537, 407-420.	2.9	37
15	Functional segregation of synaptic GABA and GABA <sub>B</sub> receptors in goldfish bipolar cell terminals. <i>Journal of Physiology</i> , 2006, 577, 45-53.	2.9	35
16	A CaMKII inhibitor, KN-62, facilitates DHPG-induced LTD in the CA1 region of the hippocampus. <i>Neuropharmacology</i> , 1999, 38, 605-608.	4.1	34
17	GABAergic Neurons from Mouse Embryonic Stem Cells Possess Functional Properties of Striatal Neurons In Vitro, and Develop into Striatal Neurons In Vivo in a Mouse Model of Huntington's Disease. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 513-531.	5.6	32
18	An investigation of the expression mechanism of LTP of AMPA receptor-mediated synaptic transmission at hippocampal CA1 synapses using failures analysis and dendritic recordings. <i>Neuropharmacology</i> , 1998, 37, 1399-1410.	4.1	29

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19	NMDA receptor dependence of mGlu $\epsilon$ -mediated depression of synaptic transmission in the CA1 region of the rat hippocampus. <i>British Journal of Pharmacology</i> , 1996, 119, 1239-1247.	5.4	25
20	Modulation of Ca $^{2+}$ -activated K $^{+}$ currents and Ca $^{2+}$ -dependent action potentials by exocytosis in goldfish bipolar cell terminals. <i>Journal of Physiology</i> , 2006, 572, 747-762.	2.9	22
21	Characterisation of bipolar cell synaptic transmission in goldfish retina using paired recordings. <i>Journal of Physiology</i> , 2010, 588, 1489-1498.	2.9	13
22	Honeybee Kenyon cells are regulated by a tonic GABA receptor conductance. <i>Journal of Neurophysiology</i> , 2014, 112, 2026-2035.	1.8	12
23	Pharmacological Analysis of the Activation and Receptor Properties of the Tonic GABACR Current in Retinal Bipolar Cell Terminals. <i>PLoS ONE</i> , 2011, 6, e24892.	2.5	8