

Mary B Kennedy

List of Publications by Year in descending order

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68
papers

7,884
citations

87888

38
h-index

110387

64
g-index

77
all docs

77
docs citations

77
times ranked

6087
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplification of neurotoxic HTTex1 assemblies in human neurons. <i>Neurobiology of Disease</i> , 2021, 159, 105517.	4.4	6
2	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. <i>PLoS Computational Biology</i> , 2020, 16, e1008015.	3.2	18
3	A sex difference in the response of the rodent postsynaptic density to synGAP haploinsufficiency. <i>ELife</i> , 2020, 9, .	6.0	12
4	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
5	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
6	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
7	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
8	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
9	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
10	A multi-state model of the CaMKII dodecamer suggests a role for calmodulin in maintenance of autophosphorylation. <i>PLoS Computational Biology</i> , 2019, 15, e1006941.	3.2	13
11	Phosphorylation of synaptic GTPase-activating protein (synGAP) by polo-like kinase (Plk2) alters the ratio of its GAP activity toward HRas, Rap1 and Rap2 GTPases. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1599-1604.	2.1	14
12	The Protein Biochemistry of the Postsynaptic Density in Glutamatergic Synapses Mediates Learning in Neural Networks. <i>Biochemistry</i> , 2018, 57, 4005-4009.	2.5	6
13	Biochemistry and neuroscience: the twain need to meet. <i>Current Opinion in Neurobiology</i> , 2017, 43, 79-86.	4.2	2
14	Densin-180 Controls the Trafficking and Signaling of L-Type Voltage-Gated Ca ^v 1.2 Ca ²⁺ Channels at Excitatory Synapses. <i>Journal of Neuroscience</i> , 2017, 37, 4679-4691.	3.6	38
15	Liquid Phase Transition in the Postsynaptic Density?. <i>Trends in Biochemical Sciences</i> , 2017, 42, 2-4.	7.5	5
16	Synaptic Signaling in Learning and Memory. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a016824.	5.5	127
17	A model for regulation by SynGAP ^{±1} of binding of synaptic proteins to PDZ-domain 'Slots' in the postsynaptic density. <i>ELife</i> , 2016, 5, .	6.0	54
18	Protein Purification Using PDZ Affinity Chromatography. <i>Current Protocols in Protein Science</i> , 2015, 80, 9.10.1-9.10.37.	2.8	5

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19	Computational reconstitution of spine calcium transients from individual proteins. <i>Frontiers in Synaptic Neuroscience</i> , 2015, 7, 17.	2.5	63
20	Phosphorylation of Synaptic GTPase-activating Protein (synGAP) by Ca ²⁺ /Calmodulin-dependent Protein Kinase II (CaMKII) and Cyclin-dependent Kinase 5 (CDK5) Alters the Ratio of Its GAP Activity toward Ras and Rap GTPases. <i>Journal of Biological Chemistry</i> , 2015, 290, 4908-4927.	3.4	72
21	Multi-state Modeling of Biomolecules. <i>PLoS Computational Biology</i> , 2014, 10, e1003844.	3.2	39
22	PDZ affinity chromatography: A general method for affinity purification of proteins based on PDZ domains and their ligands. <i>Protein Expression and Purification</i> , 2014, 98, 46-62.	1.3	11
23	Subcellular organization of camkii in rat hippocampal pyramidal neurons. <i>Journal of Comparative Neurology</i> , 2013, 521, 3570-3583.	1.6	31
24	Molecular and behavioral changes associated with adult hippocampus-specific SynGAP1 knockout. <i>Learning and Memory</i> , 2012, 19, 268-281.	1.3	23
25	Deletion of Densin-180 Results in Abnormal Behaviors Associated with Mental Illness and Reduces mGluR5 and DISC1 in the Postsynaptic Density Fraction. <i>Journal of Neuroscience</i> , 2011, 31, 16194-16207.	3.6	62
26	The Huntington's disease mutation impairs Huntingtin's role in the transport of NF- κ B from the synapse to the nucleus. <i>Human Molecular Genetics</i> , 2010, 19, 4373-4384.	2.9	77
27	A Dynamic Model of Interactions of Ca ²⁺ , Calmodulin, and Catalytic Subunits of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II. <i>PLoS Computational Biology</i> , 2010, 6, e1000675.	3.2	80
28	Detailed state model of CaMKII activation and autophosphorylation. <i>European Biophysics Journal</i> , 2008, 38, 83-98.	2.2	39
29	Reflections. <i>Neuron</i> , 2008, 60, 401-402.	8.1	1
30	SynGAP Regulates Steady-State and Activity-Dependent Phosphorylation of Cofilin. <i>Journal of Neuroscience</i> , 2008, 28, 13673-13683.	3.6	119
31	Interactions between the NR2B Receptor and CaMKII Modulate Synaptic Plasticity and Spatial Learning. <i>Journal of Neuroscience</i> , 2007, 27, 13843-13853.	3.6	169
32	Structural Modeling of Protein Interactions by Analogy: Application to PSD-95. <i>PLoS Computational Biology</i> , 2006, 2, e153.	3.2	39
33	Ca ²⁺ /calmodulin-dependent protein kinase II (CaMKII) is activated by calmodulin with two bound calciums. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13968-13973.	7.1	122
34	A role for synGAP in regulating neuronal apoptosis. <i>European Journal of Neuroscience</i> , 2005, 21, 611-621.	2.6	52
35	Integration of biochemical signalling in spines. <i>Nature Reviews Neuroscience</i> , 2005, 6, 423-434.	10.2	255
36	Spine architecture and synaptic plasticity. <i>Trends in Neurosciences</i> , 2005, 28, 182-187.	8.6	310

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37	SynGAP Regulates Spine Formation. <i>Journal of Neuroscience</i> , 2004, 24, 8862-8872.	3.6	179
38	Regulation of the Neuron-specific Ras GTPase-activating Protein, synGAP, by Ca ²⁺ /Calmodulin-dependent Protein Kinase II. <i>Journal of Biological Chemistry</i> , 2004, 279, 17980-17988.	3.4	105
39	Densin-180 Forms a Ternary Complex with the $\hat{\iota}$ -Subunit of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II and $\hat{\iota}$ -Actinin. <i>Journal of Neuroscience</i> , 2001, 21, 423-433.	3.6	188
40	Response to "Problems with LAP nomenclature". <i>Nature Cell Biology</i> , 2001, 3, E90-E90.	10.3	1
41	Identification of Proteins in the Postsynaptic Density Fraction by Mass Spectrometry. <i>Journal of Neuroscience</i> , 2000, 20, 4069-4080.	3.6	380
42	Collective nomenclature for LAP proteins. <i>Nature Cell Biology</i> , 2000, 2, E114-E114.	10.3	64
43	C-Terminal Truncation of NR2A Subunits Impairs Synaptic But Not Extrasynaptic Localization of NMDA Receptors. <i>Journal of Neuroscience</i> , 2000, 20, 4573-4581.	3.6	176
44	Tetanic Stimulation Leads to Increased Accumulation of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II via Dendritic Protein Synthesis in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 1999, 19, 7823-7833.	3.6	271
45	Citron Binds to PSD-95 at Glutamatergic Synapses on Inhibitory Neurons in the Hippocampus. <i>Journal of Neuroscience</i> , 1999, 19, 96-108.	3.6	173
46	Characterization of calcium/calmodulin-dependent protein kinase II activity in the nervous system of the lobster, <i>Panulirus interruptus</i> . <i>Invertebrate Neuroscience</i> , 1998, 3, 335-345.	1.8	6
47	Signal transduction molecules at the glutamatergic postsynaptic membrane. Published on the World Wide Web on 24 October 1997.1. <i>Brain Research Reviews</i> , 1998, 26, 243-257.	9.0	173
48	A Synaptic Ras-GTPase Activating Protein (p135 SynGAP) Inhibited by CaM Kinase II. <i>Neuron</i> , 1998, 20, 895-904.	8.1	554
49	Hippocampal Synaptic Plasticity in Mice Overexpressing an Embryonic Subunit of the NMDA Receptor. <i>Journal of Neuroscience</i> , 1998, 18, 4177-4188.	3.6	95
50	Interaction of ion channels and receptors with PDZ domain proteins. <i>Current Opinion in Neurobiology</i> , 1997, 7, 368-373.	4.2	343
51	The postsynaptic density at glutamatergic synapses. <i>Trends in Neurosciences</i> , 1997, 20, 264-268.	8.6	426
52	Visualization of the Distribution of Autophosphorylated Calcium/Calmodulin-Dependent Protein Kinase II after Tetanic Stimulation in the CA1 Area of the Hippocampus. <i>Journal of Neuroscience</i> , 1997, 17, 5416-5427.	3.6	209
53	Characterization of Densin-180, a New Brain-Specific Synaptic Protein of the <i>Drosophila</i> Sialoglycoprotein Family. <i>Journal of Neuroscience</i> , 1996, 16, 6839-6852.	3.6	148
54	Visualization of autophosphorylation of protein kinase II in hippocampal slices. <i>Journal of Neuroscience Methods</i> , 1996, 68, 61-70.	2.5	9

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55	Identification of a Phosphorylation Site for Calcium/Calmodulin-dependent Protein Kinase II in the NR2B Subunit of the N-Methyl-D-aspartate Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 31670-31678.	3.4	277
56	The postsynaptic density. <i>Current Opinion in Neurobiology</i> , 1993, 3, 732-737.	4.2	135
57	The rat brain postsynaptic density fraction contains a homolog of the drosophila discs-large tumor suppressor protein. <i>Neuron</i> , 1992, 9, 929-942.	8.1	1,139
58	The Pierian Spring. <i>Current Biology</i> , 1992, 2, 511-514.	3.9	13
59	The $\hat{\pm}$ subunit of type II Ca ²⁺ /calmodulin-dependent protein kinase is highly conserved in Drosophila. <i>Neuron</i> , 1991, 7, 439-450.	8.1	72
60	Identification of Functionally Significant Phosphorylation Sites on Neuronal Proteins and Preparation of Antibodies That Recognize Them. <i>Methods in Neurosciences</i> , 1991, 6, 158-176.	0.5	7
61	Hippocampal Neurons Predisposed to Neurofibrillary Tangle Formation Are Enriched in Type II Calcium/Calmodulin-Dependent Protein Kinase. <i>Journal of Neuropathology and Experimental Neurology</i> , 1990, 49, 49-63.	1.7	103
62	Regulation of synaptic transmission in the central nervous system: Long-term potentiation. <i>Cell</i> , 1989, 59, 777-787.	28.9	182
63	Do Activity-Dependent Changes in Expression of Regulatory Proteins Play a Role in the Progression of Central Nervous System Neural Degeneration?. <i>Annals of the New York Academy of Sciences</i> , 1989, 568, 193-197.	3.8	3
64	Sequences of autophosphorylation sites in neuronal type II CaM kinase that control Ca ²⁺ -independent activity. <i>Neuron</i> , 1988, 1, 593-604.	8.1	271
65	Synaptic memory molecules. <i>Nature</i> , 1988, 335, 770-772.	27.8	39
66	Conserved and variable regions in the subunits of brain type II Ca ²⁺ /calmodulin-dependent protein kinase. <i>Neuron</i> , 1988, 1, 63-72.	8.1	143
67	Molecules underlying memory. <i>Nature</i> , 1987, 329, 15-16.	27.8	13
68	Lysophosphatidyl choline facilitates labeling of CNS projections with horseradish peroxidase. <i>Journal of Neuroscience Methods</i> , 1980, 2, 183-189.	2.5	101