

# Rebecca P Seal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9553685/publications.pdf>

Version: 2024-02-01

49  
papers

6,062  
citations

109321

35  
h-index

206112

48  
g-index

52  
all docs

52  
docs citations

52  
times ranked

6530  
citing authors

#	ARTICLE	IF	CITATIONS
1	VGLUTs define subsets of excitatory neurons and suggest novel roles for glutamate. Trends in Neurosciences, 2004, 27, 98-103.	8.6	668
2	Injury-induced mechanical hypersensitivity requires C-low threshold mechanoreceptors. Nature, 2009, 462, 651-655.	27.8	392
3	Sensorineural Deafness and Seizures in Mice Lacking Vesicular Glutamate Transporter 3. Neuron, 2008, 57, 263-275.	8.1	340
4	Neural circuits for pain: Recent advances and current views. Science, 2016, 354, 578-584.	12.6	326
5	Restoration of Hearing in the VGLUT3 Knockout Mouse Using Virally Mediated Gene Therapy. Neuron, 2012, 75, 283-293.	8.1	319
6	Molecular pharmacology of glutamate transporters, EAATs and VGLUTs. Brain Research Reviews, 2004, 45, 250-265.	9.0	315
7	EXCITATORY AMINO ACID TRANSPORTERS: A Family in Flux. Annual Review of Pharmacology and Toxicology, 1999, 39, 431-456.	9.4	300
8	Dorsal Horn Circuits for Persistent Mechanical Pain. Neuron, 2015, 87, 797-812.	8.1	259
9	Expression of the vesicular glutamate transporters during development indicates the widespread corelease of multiple neurotransmitters. Journal of Comparative Neurology, 2004, 480, 264-280.	1.6	239
10	Nav1.8 expression is not restricted to nociceptors in mouse peripheral nervous system. Pain, 2012, 153, 2017-2030.	4.2	223
11	Making sense out of spinal cord somatosensory development. Development (Cambridge), 2016, 143, 3434-3448.	2.5	161
12	A glutamatergic reward input from the dorsal raphe to ventral tegmental area dopamine neurons. Nature Communications, 2014, 5, 5390.	12.8	158
13	Glutamate co-release at GABA/glycinergic synapses is crucial for the refinement of an inhibitory map. Nature Neuroscience, 2010, 13, 232-238.	14.8	156
14	Cholinergic Interneurons Mediate Fast VGLUT3-Dependent Glutamatergic Transmission in the Striatum. PLoS ONE, 2011, 6, e19155.	2.5	155
15	Striatal Cholinergic Interneurons Drive GABA Release from Dopamine Terminals. Neuron, 2014, 82, 63-70.	8.1	140
16	A Model for the Topology of Excitatory Amino Acid Transporters Determined by the Extracellular Accessibility of Substituted Cysteines. Neuron, 2000, 25, 695-706.	8.1	122
17	Uncovering the Cells and Circuits of Touch in Normal and Pathological Settings. Neuron, 2018, 100, 349-360.	8.1	121
18	A Non-canonical Pathway from Cochlea to Brain Signals Tissue-Damaging Noise. Current Biology, 2015, 25, 606-612.	3.9	119

#	ARTICLE	IF	CITATIONS
19	A Reentrant Loop Domain in the Glutamate Carrier EAAT1 Participates in Substrate Binding and Translocation. <i>Neuron</i> , 1998, 21, 1487-1498.	8.1	110
20	An Unconventional Glutamatergic Circuit in the Retina Formed by vGluT3 Amacrine Cells. <i>Neuron</i> , 2014, 84, 708-715.	8.1	103
21	Mechanical Allodynia Circuitry in the Dorsal Horn Is Defined by the Nature of the Injury. <i>Neuron</i> , 2021, 109, 73-90.e7.	8.1	100
22	Synaptic and Extrasynaptic Factors Governing Glutamatergic Retinal Waves. <i>Neuron</i> , 2009, 62, 230-241.	8.1	96
23	Vesicular glutamate transporter 3 expression identifies glutamatergic amacrine cells in the rodent retina. <i>Journal of Comparative Neurology</i> , 2004, 477, 386-398.	1.6	95
24	Genetic targeting and physiological features of VGLUT3+ amacrine cells. <i>Visual Neuroscience</i> , 2011, 28, 381-392.	1.0	89
25	Striatal Cholinergic Neurotransmission Requires VGLUT3. <i>Journal of Neuroscience</i> , 2014, 34, 8772-8777.	3.6	83
26	Effects of threo-β-hydroxyaspartate derivatives on excitatory amino acid transporters (EAAT4 and EAAT3). <i>Journal of Neurochemistry</i> , 2000, 74, 1000-1008.	3.9	82
27	Functional implications of neurotransmitter co-release: glutamate and GABA share the load. <i>Current Opinion in Pharmacology</i> , 2006, 6, 114-119.	3.5	75
28	Sulfhydryl modification of V449C in the glutamate transporter EAAT1 abolishes substrate transport but not the substrate-gated anion conductance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 15324-15329.	7.1	69
29	A Critical Role for Dopamine D5 Receptors in Pain Chronicity in Male Mice. <i>Journal of Neuroscience</i> , 2018, 38, 379-397.	3.6	62
30	The H <sup>+</sup> -Coupled Electrogenic Lysosomal Amino Acid Transporter LYAT1 Localizes to the Axon and Plasma Membrane of Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 1265-1275.	3.6	57
31	Thyronamines Inhibit Plasma Membrane and Vesicular Monoamine Transport. <i>ACS Chemical Biology</i> , 2007, 2, 390-398.	3.4	55
32	Loss of VGLUT3 Produces Circadian-Dependent Hyperdopaminergia and Ameliorates Motor Dysfunction and l-Dopa-Mediated Dyskinesias in a Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2015, 35, 14983-14999.	3.6	53
33	Layer- and cell type-selective co-transmission by a basal forebrain cholinergic projection to the olfactory bulb. <i>Nature Communications</i> , 2017, 8, 652.	12.8	50
34	A Functional Topographic Map for Spinal Sensorimotor Reflexes. <i>Neuron</i> , 2021, 109, 91-104.e5.	8.1	49
35	Differential regulation of GLAST immunoreactivity and activity by protein kinase C: evidence for modification of amino and carboxyl termini. <i>Journal of Neurochemistry</i> , 2004, 91, 1151-1163.	3.9	47
36	Structural Rearrangements at the Translocation Pore of the Human Glutamate Transporter, EAAT1. <i>Journal of Biological Chemistry</i> , 2006, 281, 29788-29796.	3.4	37

#	ARTICLE	IF	CITATIONS
37	Expression of vesicular glutamate transporters type 1 and 2 in sensory and autonomic neurons innervating the mouse colorectum. <i>Journal of Comparative Neurology</i> , 2011, 519, 3346-3366.	1.6	36
38	A population of glomerular glutamatergic neurons controls sensory information transfer in the mouse olfactory bulb. <i>Nature Communications</i> , 2014, 5, 3791.	12.8	36
39	A Hydrophobic Domain in Glutamate Transporters Forms an Extracellular Helix Associated with the Permeation Pathway for Substrates. <i>Journal of Biological Chemistry</i> , 2002, 277, 29847-29855.	3.4	32
40	Outer Hair Cell Glutamate Signaling through Type II Spiral Ganglion Afferents Activates Neurons in the Cochlear Nucleus in Response to Nondamaging Sounds. <i>Journal of Neuroscience</i> , 2021, 41, 2930-2943.	3.6	25
41	Presynaptic inhibition of optogenetically identified VGLUT3+ sensory fibres by opioids and baclofen. <i>Pain</i> , 2015, 156, 243-251.	4.2	24
42	[22] Transmembrane topology mapping using biotin-containing sulfhydryl reagents. <i>Methods in Enzymology</i> , 1998, 296, 318-331.	1.0	23
43	Expression of Vesicular Glutamate Transporters in Sensory and Autonomic Neurons Innervating the Mouse Bladder. <i>Journal of Urology</i> , 2013, 189, 2342-2349.	0.4	17
44	Targeting Toll-like receptors to treat chronic pain. <i>Nature Medicine</i> , 2015, 21, 1251-1252.	30.7	15
45	Perinatal interference with the serotonergic system affects VTA function in the adult via glutamate co-transmission. <i>Molecular Psychiatry</i> , 2020, 26, 4795-4812.	7.9	10
46	Do the distinct synaptic properties of VGLUTs shape pain?. <i>Neurochemistry International</i> , 2016, 98, 82-88.	3.8	9
47	Illuminating the Gap: Neuronal Cross-Talk within Sensory Ganglia and Persistent Pain. <i>Neuron</i> , 2016, 91, 950-951.	8.1	8
48	Transcript Expression of Vesicular Glutamate Transporters in Rat Dorsal Root Ganglion and Spinal Cord Neurons: Impact of Spinal Blockade during Hindpaw Inflammation. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2602-2614.	3.5	1
49	Cell Biology of Tactile Afferents. , 2016, , 49-59.		0