

Kevin T Beier

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

5,465
citations

201385

27
h-index

288905

40
g-index

41
all docs

41
docs citations

41
times ranked

6991
citing authors

#	ARTICLE	IF	CITATIONS
1	Circuit Architecture of VTA Dopamine Neurons Revealed by Systematic Input-Output Mapping. <i>Cell</i> , 2015, 162, 622-634.	13.5	777
2	Intact-Brain Analyses Reveal Distinct Information Carried by SNc Dopamine Subcircuits. <i>Cell</i> , 2015, 162, 635-647.	13.5	608
3	Viral-genetic tracing of the input-output organization of a central noradrenaline circuit. <i>Nature</i> , 2015, 524, 88-92.	13.7	601
4	Gating of social reward by oxytocin in the ventral tegmental area. <i>Science</i> , 2017, 357, 1406-1411.	6.0	414
5	Diversity of Transgenic Mouse Models for Selective Targeting of Midbrain Dopamine Neurons. <i>Neuron</i> , 2015, 85, 429-438.	3.8	285
6	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <i>Neuron</i> , 2017, 93, 822-839.e6.	3.8	250
7	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. <i>Nature</i> , 2017, 545, 477-481.	13.7	246
8	Control of REM sleep by ventral medulla GABAergic neurons. <i>Nature</i> , 2015, 526, 435-438.	13.7	234
9	Potent Delivery of Functional Proteins into Mammalian Cells <i>in Vitro</i> and <i>in Vivo</i> Using a Supercharged Protein. <i>ACS Chemical Biology</i> , 2010, 5, 747-752.	1.6	185
10	Anterograde or retrograde transsynaptic labeling of CNS neurons with vesicular stomatitis virus vectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15414-15419.	3.3	172
11	Elevation of blood urea nitrogen is predictive of long-term mortality in critically ill patients independent of "normal" creatinine*. <i>Critical Care Medicine</i> , 2011, 39, 305-313.	0.4	144
12	Regulation of REM and Non-REM Sleep by Periaqueductal GABAergic Neurons. <i>Nature Communications</i> , 2018, 9, 354.	5.8	136
13	Neuroanatomy goes viral!. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 80.	0.9	135
14	Transcription factor <i>Olig2</i> defines subpopulations of retinal progenitor cells biased toward specific cell fates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7882-7887.	3.3	128
15	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. <i>Neuron</i> , 2020, 106, 37-65.e5.	3.8	109
16	A Class of Human Proteins that Deliver Functional Proteins into Mammalian Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Chemistry and Biology</i> , 2011, 18, 833-838.	6.2	98
17	Rabies screen reveals GPe control of cocaine-triggered plasticity. <i>Nature</i> , 2017, 549, 345-350.	13.7	94
18	Topological Organization of Ventral Tegmental Area Connectivity Revealed by Viral-Genetic Dissection of Input-Output Relations. <i>Cell Reports</i> , 2019, 26, 159-167.e6.	2.9	81

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19	Amygdala-Midbrain Connections Modulate Appetitive and Aversive Learning. <i>Neuron</i> , 2020, 106, 1026-1043.e9.	3.8	70
20	Viral Vectors for Neural Circuit Mapping and Recent Advances in Trans-synaptic Anterograde Tracers. <i>Neuron</i> , 2020, 107, 1029-1047.	3.8	66
21	Vesicular stomatitis virus enables gene transfer and transsynaptic tracing in a wide range of organisms. <i>Journal of Comparative Neurology</i> , 2015, 523, 1639-1663.	0.9	59
22	Conditional expression of the TVA receptor allows clonal analysis of descendants from Cre-expressing progenitor cells. <i>Developmental Biology</i> , 2011, 353, 309-320.	0.9	55
23	Transsynaptic Tracing with Vesicular Stomatitis Virus Reveals Novel Retinal Circuitry. <i>Journal of Neuroscience</i> , 2013, 33, 35-51.	1.7	54
24	Vesicular stomatitis virus with the rabies virus glycoprotein directs retrograde transsynaptic transport among neurons in vivo. <i>Frontiers in Neural Circuits</i> , 2013, 7, 11.	1.4	52
25	Pseudotyped retroviruses for infecting axolotl <i>in vivo</i> and <i>in vitro</i> . <i>Development (Cambridge)</i> , 2013, 140, 1137-1146.	1.2	48
26	5-HT modulation of a medial septal circuit tunes social memory stability. <i>Nature</i> , 2021, 599, 96-101.	13.7	47
27	Characterization of transgenic mouse models targeting neuromodulatory systems reveals organizational principles of the dorsal raphe. <i>Nature Communications</i> , 2019, 10, 4633.	5.8	41
28	Integrated anatomical and physiological mapping of striatal afferent projections. <i>European Journal of Neuroscience</i> , 2019, 49, 623-636.	1.2	39
29	Complementary Genetic Targeting and Monosynaptic Input Mapping Reveal Recruitment and Refinement of Distributed Corticostriatal Ensembles by Cocaine. <i>Neuron</i> , 2019, 104, 916-930.e5.	3.8	34
30	Hitchhiking on the neuronal highway: Mechanisms of transsynaptic specificity. <i>Journal of Chemical Neuroanatomy</i> , 2019, 99, 9-17.	1.0	31
31	Can transsynaptic viral strategies be used to reveal functional aspects of neural circuitry?. <i>Journal of Neuroscience Methods</i> , 2021, 348, 109005.	1.3	31
32	Synaptic Inputs to the Mouse Dorsal Vagal Complex and Its Resident Preproglucagon Neurons. <i>Journal of Neuroscience</i> , 2019, 39, 9767-9781.	1.7	30
33	Anterograde or Retrograde Transsynaptic Circuit Tracing in Vertebrates with Vesicular Stomatitis Virus Vectors. <i>Current Protocols in Neuroscience</i> , 2016, 74, 1.26.1-1.26.27.	2.6	26
34	A connectomic analysis of deep brain stimulation for treatment-resistant depression. <i>Brain Stimulation</i> , 2021, 14, 1226-1233.	0.7	22
35	Lineage Analysis of the Late Otocyst Stage Mouse Inner Ear by Transuterine Microinjection of A Retroviral Vector Encoding Alkaline Phosphatase and an Oligonucleotide Library. <i>PLoS ONE</i> , 2013, 8, e69314.	1.1	20
36	The relationship between birth timing, circuit wiring, and physiological response properties of cerebellar granule cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14

#	ARTICLE	IF	CITATIONS
37	An extended amygdala-midbrain circuit controlling cocaine withdrawal-induced anxiety and reinstatement. <i>Cell Reports</i> , 2022, 39, 110775.	2.9	14
38	Uncovering the Connectivity Logic of the Ventral Tegmental Area. <i>Frontiers in Neural Circuits</i> , 2021, 15, 799688.	1.4	8
39	Ten simple rules for writing a career development award proposal. <i>PLoS Computational Biology</i> , 2017, 13, e1005863.	1.5	3
40	A student-centered seminar course as a complementary approach to a traditional journal club. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2022, 46, 77-83.	0.8	3