Vincent A Pieribone

List of Publications by Year
in descending order

85	7,940	71061 41	71651 76
papers	citations	h-index	g-index

90	90	90	7158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Voltage imaging in the olfactory bulb using transgenic mouse lines expressing the genetically encoded voltage indicator ArcLight. Scientific Reports, 2022, 12, 1875.	1.6	8
2	A putative chordate luciferase from a cosmopolitan tunicate indicates convergent bioluminescence evolution across phyla. Scientific Reports, 2020, 10, 17724.	1.6	16
3	Bright Green Biofluorescence in Sharks Derives from Bromo-Kynurenine Metabolism. IScience, 2019, 19, 1291-1336.	1.9	27
4	Bioluminescent flashes drive nighttime schooling behavior and synchronized swimming dynamics in flashlight fish. PLoS ONE, 2019, 14, e0219852.	1.1	20
5	Spatiotemporal dynamics of odor responses in the lateral and dorsal olfactory bulb. PLoS Biology, 2019, 17, e3000409.	2.6	15
6	Optimizing Strategies for Developing Genetically Encoded Voltage Indicators. Frontiers in Cellular Neuroscience, 2019, 13, 53.	1.8	30
7	Genetically encoded fluorescent voltage indicators: are we there yet?. Current Opinion in Neurobiology, 2018, 50, 146-153.	2.0	43
8	Optimizing recruitment and retention of adolescents in ED research: Findings from concussion biomarker pilot study. American Journal of Emergency Medicine, 2018, 36, 884-887.	0.7	2
9	Fast, in vivo voltage imaging using a red fluorescent indicator. Nature Methods, 2018, 15, 1108-1116.	9.0	126
10	A Dexterous, Glove-Based Teleoperable Low-Power Soft Robotic Arm for Delicate Deep-Sea Biological Exploration. Scientific Reports, 2018, 8, 14779.	1.6	98
11	Luciferin production and luciferase transcription in the bioluminescent copepod Metridia lucens. PeerJ, 2018, 6, e5506.	0.9	8
12	Directed Evolution of Key Residues in Fluorescent Protein Inverses the Polarity of Voltage Sensitivity in the Genetically Encoded Indicator ArcLight. ACS Chemical Neuroscience, 2017, 8, 513-523.	1.7	60
13	Biofluorescence in Catsharks (Scyliorhinidae): Fundamental Description and Relevance for Elasmobranch Visual Ecology. Scientific Reports, 2016, 6, 24751.	1.6	35
14	Observations of in situ deep-sea marine bioluminescence with a high-speed, high-resolution sCMOS camera. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 111, 102-109.	0.6	20
15	A Bright and Fast Red Fluorescent Protein Voltage Indicator That Reports Neuronal Activity in Organotypic Brain Slices. Journal of Neuroscience, 2016, 36, 2458-2472.	1.7	137
16	Sensory determinants of behavioral dynamics in Drosophila thermotaxis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E220-9.	3.3	134
17	Transcriptome sequencing and annotation of the polychaete Hermodice carunculata (Annelida,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	23
18	Adaptive Evolution of Eel Fluorescent Proteins from Fatty Acid Binding Proteins Produces Bright Fluorescence in the Marine Environment. PLoS ONE, 2015, 10, e0140972.	1.1	31

#	Article	IF	Citations
19	The Covert World of Fish Biofluorescence: A Phylogenetically Widespread and Phenotypically Variable Phenomenon. PLoS ONE, 2014, 9, e83259.	1.1	135
20	Mechanistic Studies of the Genetically Encoded Fluorescent Protein Voltage Probe ArcLight. PLoS ONE, 2014, 9, e113873.	1.1	74
21	Continuous Time Level Crossing Sampling ADC for Bio-Potential Recording Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1407-1418.	3.5	71
22	Genetically Targeted Optical Electrophysiology in Intact Neural Circuits. Cell, 2013, 154, 904-913.	13.5	244
23	Transcriptome deep-sequencing and clustering of expressed isoforms from Favia corals. BMC Genomics, 2013, 14, 546.	1.2	22
24	Modification of Arclight, a Genetically-Encoded Voltage Sensitive Probe: A Study of Mechanism. Biophysical Journal, 2013, 104, 679a-680a.	0.2	1
25	In Vivo Imaging of Odor-Evoked Responses in the Olfactory Bulb using Arclight, a Novel Fp Voltage Probe. Biophysical Journal, 2013, 104, 679a.	0.2	1
26	Fluorescent Protein Voltage Probes Derived from ArcLight that Respond to Membrane Voltage Changes with Fast Kinetics. PLoS ONE, 2013, 8, e81295.	1.1	65
27	Single Action Potentials and Subthreshold Electrical Events Imaged in Neurons with a Fluorescent Protein Voltage Probe. Neuron, 2012, 75, 779-785.	3.8	485
28	Improved Genetically Encoded Voltage Sensitive Optical Probes Detect Action Potentials and Subthreshold Events. Biophysical Journal, 2012, 102, 214a.	0.2	0
29	A second-generation imaging system for freely moving animals. , 2012, , .		0
30	Design Constraints for Mobile, High-Speed Fluorescence Brain Imaging in Awake Animals. IEEE Transactions on Biomedical Circuits and Systems, 2012, 6, 446-453.	2.7	9
31	Genetically encoded fluorescent voltage sensors using the voltage-sensing domain of Nematostella and Danio phosphatases exhibit fast kinetics. Journal of Neuroscience Methods, 2012, 208, 190-196.	1.3	41
32	A Fluorescent, Genetically-Encoded Voltage Probe Capable of Resolving Action Potentials. PLoS ONE, 2012, 7, e43454.	1.1	72
33	Head-mountable high speed camera for optical neural recording. Journal of Neuroscience Methods, 2011, 201, 290-295.	1.3	34
34	Random insertion of split-cans of the fluorescent protein venus into Shaker channels yields voltage sensitive probes with improved membrane localization in mammalian cells. Journal of Neuroscience Methods, 2011, 199, 1-9.	1.3	30
35	A head-mountable microscope for high-speed fluorescence brain imaging. , 2011, , .		1
36	Effect of high velocity, large amplitude stimuli on the spread of depolarization in S1 â€œbarrelâ€•cortex. Somatosensory & Motor Research, 2011, 28, 73-85.	0.4	4

#	Article	IF	Citations
37	A new bright greenâ€emitting fluorescent protein â€“ engineered monomeric and dimeric forms. FEBS Journal, 2010, 277, 1967-1978.	2.2	39
38	Genetically Encoded Protein Sensors of Membrane Potential. , 2010, , 157-163.		2
39	High-speed fluorescence imaging system for freely moving animals. , 2009, , .		3
40	Novel Internal Regions of Fluorescent Proteins Undergo Divergent Evolutionary Patterns. Molecular Biology and Evolution, 2009, 26, 2841-2848.	3.5	7
41	Miniature voltage sensitive dye imaging system for in vivo experiments. , 2009, , .		1
42	Random Insertion of Split-can Venus into Kv1.4 Yields Voltage Sensitive Fluorescent Probes. Biophysical Journal, 2009, 96, 403a.	0.2	0
43	Early involvement of synapsin III in neural progenitor cell development in the adult hippocampus. Journal of Comparative Neurology, 2008, 507, 1860-1870.	0.9	46
44	Strict regulation of gene expression from a high-copy plasmid utilizing a dual vector system. Protein Expression and Purification, 2008, 60, 53-57.	0.6	17
45	Voltage sensitive dye imaging system for awake and freely moving animals. , 2008, , .		9
46	Patterns of Fluorescent Protein Expression in Scleractinian Corals. Biological Bulletin, 2008, 215, 143-154.	0.7	35
47	In Vivo Simultaneous Tracing and Ca2+ Imaging of Local Neuronal Circuits. Neuron, 2007, 53, 789-803.	3.8	114
48	Clinical Evaluation of Ganaxolone in Pediatric and Adolescent Patients with Refractory Epilepsy. Epilepsia, 2007, 48, 1870-1874.	2.6	93
49	Dynamic Regulation of Fluorescent Proteins from a Single Species of Coral. Marine Biotechnology, 2007, 9, 733-746.	1.1	27
50	Actin polymerization regulates clathrin coat maturation during early stages of synaptic vesicle recycling at lamprey synapses. Journal of Comparative Neurology, 2006, 497, 600-609.	0.9	35
51	A role for talin in presynaptic function. Journal of Cell Biology, 2004, 167, 43-50.	2.3	78
52	The role of actin in the regulation of dendritic spine morphology and bidirectional synaptic plasticity. NeuroReport, 2004, 15, 829-832.	0.6	31
53	Midbrain serotonergic neurons are central pH chemoreceptors. Nature Neuroscience, 2003, 6, 1139-1140.	7.1	177
54	Colocalization of synapsin and actin during synaptic vesicle recycling. Journal of Cell Biology, 2003, 161, 737-747.	2.3	193

#	Article	IF	Citations
55	Impaired recycling of synaptic vesicles after acute perturbation of the presynaptic actin cytoskeleton. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14476-14481.	3.3	207
56	A Genetically Targetable Fluorescent Probe of Channel Gating with Rapid Kinetics. Biophysical Journal, 2002, 82, 509-516.	0.2	184
57	Expression of synapsin III in nerve terminals and neurogenic regions of the adult brain. Journal of Comparative Neurology, 2002, 454, 105-114.	0.9	48
58	A protein kinase Aâ€“dependent molecular switch in synapsins regulates neurite outgrowth. Nature Neuroscience, 2002, 5, 431-437.	7.1	128
59	Chemosensitive serotonergic neurons are closely associated with large medullary arteries. Nature Neuroscience, 2002, 5, 401-402.	7.1	146
60	Regulation of Synaptotagmin I Phosphorylation by Multiple Protein Kinases. Journal of Neurochemistry, 2001, 73, 921-932.	2.1	89
61	Severe deficiencies in dopamine signaling in presymptomatic Huntington's disease mice. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6809-6814.	3.3	263
62	Multiple messengers in descending serotonin neurons: localization and functional implications. Journal of Chemical Neuroanatomy, 2000, 18, 75-86.	1.0	97
63	Inhibition of neurotransmitter release in the lamprey reticulospinal synapse by antibody-mediated disruption of SNAP-25 function. European Journal of Cell Biology, 1999, 78, 787-793.	1.6	14
64	Molecular evolution of the synapsin gene family. , 1999, 285, 360-377.		105
65	Synapsins as regulators of neurotransmitter release. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 269-279.	1.8	478
66	Molecular evolution of the synapsin gene family. The Journal of Experimental Zoology, 1999, 285, 360-377.	1.4	2
67	Electrophysiologic Effects of Galanin on Neurons of the Central Nervous System a. Annals of the New York Academy of Sciences, 1998, 863, 264-273.	1.8	26
68	Regulation of iron metabolism in the sanguivore lamprey Lampetra fluviatilis . Molecular cloning of two ferritin subunits and two iron-regulatory proteins (IRP) reveals evolutionary conservation of the iron-regulatory element (IRE)/IRP regulatory system. FEBS Journal, 1998, 254, 223-229.	0.2	32
69	Sustained Neurotransmitter Release: New Molecular Clues. European Journal of Neuroscience, 1997, 9, 2503-2511.	1.2	49
70	The distribution and significance of CNS adrenoceptors examined with in situ hybridization. Trends in Pharmacological Sciences, 1996, 17, 245-255.	4.0	234
71	Distinct pools of synaptic vesicles in neurotransmitter release. Nature, 1995, 375, 493-497.	13.7	492
72	A Complementary Method to Radioligand-Mediated Autoradiography for Localizing Adrenergic, Alpha-2 Receptor-Producing Cells. Annals of the New York Academy of Sciences, 1995, 763, 222-242.	1.8	7

#	Article	IF	Citations
73	Galanin induces a hyperpolarization of norepinephrine-containing locus coeruleus neurons in the brainstem slice. Neuroscience, 1995, 64, 861-874.	1.1	168
74	Immunohistochemical analysis of the relation between 5-hydroxytryptamine- and neuropeptide-immunoreactive elements in the spinal cord of an amphibian (Xenopus laevis). Journal of Comparative Neurology, 1994, 341, 492-506.	0.9	13
75	Distributions of mRNAs for alpha-2 adrenergic receptor subtypes in rat brain: An in situ hybridization study. Journal of Comparative Neurology, 1993, 328, 575-594.	0.9	395
76	CGRP-like immunoreactivity in A11 dopamine neurons projecting to the spinal cord and a note on CGRP-CCK cross-reactivity. Brain Research, 1993, 600, 39-48.	1.1	52
77	Cellular localization of messenger RNA for beta-1 and beta-2 adrenergic receptors in rat brain: An in situ hybridization study. Neuroscience, 1993, 56, 1023-1039.	1.1	204
78	Galanin message-associated peptide (GMAP)- and galanin-like immunoreactivities: Overlapping and differential distributions in the rat. Neuroscience Letters, 1992, 142, 139-142.	1.0	44
79	Initial observations on the localization of mRNA for Î± and Î² adrenergic receptors in brain and peripheral tissues of rat using in situ hybridization. Molecular and Cellular Neurosciences, 1991, 2, 344-350.	1.0	26
80	Subregions of the periaqueductal gray topographically innervate the rostral ventral medulla in the rat. Journal of Comparative Neurology, 1991, 309, 305-327.	0.9	179
81	Anatomical evidence for multiple pathways leading from the rostral ventrolateral medulla (nucleus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	42
82	Diverse afferents converge on the nucleus paragigantocellularis in the rat ventrolateral medulla: Retrograde and anterograde tracing studies. Journal of Comparative Neurology, 1989, 290, 561-584.	0.9	228
83	The iontophoretic application of Fluoro-Gold for the study of afferents to deep brain nuclei. Brain Research, 1988, 475, 259-271.	1.1	107
84	Adrenergic and non-adrenergic neurons in the C1 and C3 areas project to locus coeruleus: A fluorescent double labeling study. Neuroscience Letters, 1988, 85, 297-303.	1.0	94
85	The brain nucleus locus coeruleus: restricted afferent control of a broad efferent network. Science, 1986, 234, 734-737.	6.0	738