# Bernardo L Sabatini

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 144 papers | 26,056 citations | 7087 78 h-index | 10441 139 g-index |
| 184 all docs | 184 docs citations | 184 times ranked | 29515 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Amyloid-Î² protein dimers isolated directly from Alzheimer's brains impair synaptic plasticity and memory. Nature Medicine, 2008, 14, 837-842. | 15.2 | 3,225 |
| 2 | Natural Oligomers of the Alzheimer Amyloid-Â Protein Induce Reversible Synapse Loss by Modulating an NMDA-Type Glutamate Receptor-Dependent Signaling Pathway. Journal of Neuroscience, 2007, 27, 2866-2875. | 1.7 | 1,445 |
| 3 | ScanImage: Flexible software for operating laser scanning microscopes. BioMedical Engineering OnLine, 2003, 2, 13. | 1.3 | 1,126 |
| 4 | Structure and Function of Dendritic Spines. Annual Review of Physiology, 2002, 64, 313-353. | 5.6 | 1,050 |
| 5 | All-optical electrophysiology in mammalian neurons using engineered microbial rhodopsins. Nature Methods, 2014, 11, 825-833. | 9.0 | 666 |
| 6 | Lysosomal amino acid transporter SLC38A9 signals arginine sufficiency to mTORC1. Science, 2015, 347, 188-194. | 6.0 | 662 |
| 7 | The Life Cycle of Ca2+ Ions in Dendritic Spines. Neuron, 2002, 33, 439-452. | 3.8 | 652 |
| 8 | Anatomical and Physiological Plasticity of Dendritic Spines. Annual Review of Neuroscience, 2007, 30, 79-97. | 5.0 | 569 |
| 9 | Dopaminergic Modulation of Synaptic Transmission in Cortex and Striatum. Neuron, 2012, 76, 33-50. | 3.8 | 558 |
| 10 | Dopaminergic neurons inhibit striatal output through non-canonical release of GABA. Nature, 2012, 490, 262-266. | 13.7 | 493 |
| 11 | Efficient and accurate extraction of in vivo calcium signals from microendoscopic video data. ELife, 2018, 7, . | 2.8 | 489 |
| 12 | Regulation of neuronal morphology and function by the tumor suppressors Tsc1 and Tsc2. Nature Neuroscience, 2005, 8, 1727-1734. | 7.1 | 469 |
| 13 | SK channels and NMDA receptors form a Ca2+-mediated feedback loop in dendritic spines. Nature Neuroscience, 2005, 8, 642-649. | 7.1 | 398 |
| 14 | Single-cell analysis of experience-dependent transcriptomic states in the mouse visual cortex. Nature Neuroscience, 2018, 21, 120-129. | 7.1 | 394 |
| 15 | Timing of neurotransmission at fast synapses in the mammalian brain. Nature, 1996, 384, 170-172. | 13.7 | 380 |
| 16 | Glutamate induces de novo growth of functional spines in developing cortex. Nature, 2011, 474, 100-104. | 13.7 | 319 |
| 17 | Neuronal Activity Regulates Diffusion Across the Neck of Dendritic Spines. Science, 2005, 310, 866-869. | 6.0 | 315 |
| 18 | State-Dependent Calcium Signaling in Dendritic Spines of Striatal Medium Spiny Neurons. Neuron, 2004, 44, 483-493. | 3.8 | 300 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Facilitation at single synapses probed with optical quantal analysis. Nature Neuroscience, 2002, 5, 657-664. | 7.1 | 290 |
| 20 | The Striatum Organizes 3D Behavior via Moment-to-Moment Action Selection. Cell, 2018, 174, 44-58.e17. | 13.5 | 290 |
| 21 | Excitatory/Inhibitory Synaptic Imbalance Leads to Hippocampal Hyperexcitability in Mouse Models of Tuberous Sclerosis. Neuron, 2013, 78, 510-522. | 3.8 | 283 |
| 22 | Ca2+ signaling in dendritic spines. Current Opinion in Neurobiology, 2001, 11, 349-356. | 2.0 | 266 |
| 23 | A robotic multidimensional directed evolution approach applied to fluorescent voltage reporters. Nature Chemical Biology, 2018, 14, 352-360. | 3.9 | 264 |
| 24 | Analysis of calcium channels in single spines using optical fluctuation analysis. Nature, 2000, 408, 589-593. | 13.7 | 255 |
| 25 | Nonlinear Regulation of Unitary Synaptic Signals by CaV2.3 Voltage-Sensitive Calcium Channels Located in Dendritic Spines. Neuron, 2007, 53, 249-260. | 3.8 | 253 |
| 26 | Recombinant Probes for Visualizing Endogenous Synaptic Proteins in Living Neurons. Neuron, 2013, 78, 971-985. | 3.8 | 251 |
| 27 | Control of Neurotransmitter Release by Presynaptic Waveform at the Granule Cell to Purkinje Cell Synapse. Journal of Neuroscience, 1997, 17, 3425-3435. | 1.7 | 243 |
| 28 | A direct GABAergic output from the basal ganglia to frontal cortex. Nature, 2015, 521, 85-89. | 13.7 | 242 |
| 29 | Fasting Activation of AgRP Neurons Requires NMDA Receptors and Involves Spinogenesis and Increased Excitatory Tone. Neuron, 2012, 73, 511-522. | 3.8 | 239 |
| 30 | Imaging Calcium Concentration Dynamics in Small Neuronal Compartments. Science Signaling, 2004, 2004, pl5-pl5. | 1.6 | 238 |
| 31 | Plasticity of calcium channels in dendritic spines. Nature Neuroscience, 2003, 6, 948-955. | 7.1 | 233 |
| 32 | Competitive regulation of synaptic Ca2+ influx by D2 dopamine and A2A adenosine receptors. Nature Neuroscience, 2010, 13, 958-966. | 7.1 | 226 |
| 33 | Destabilization of the Postsynaptic Density by PSD-95 Serine 73 Phosphorylation Inhibits Spine Growth and Synaptic Plasticity. Neuron, 2008, 60, 788-802. | 3.8 | 224 |
| 34 | Calcium Signaling in Dendrites and Spines: Practical and Functional Considerations. Neuron, 2008, 59, 902-913. | 3.8 | 196 |
| 35 | Transsynaptic Signaling by Activity-Dependent Cleavage of Neuroligin-1. Neuron, 2012, 76, 396-409. | 3.8 | 196 |
| 36 | Loss of Tsc1 In Vivo Impairs Hippocampal mGluR-LTD and Increases Excitatory Synaptic Function. Journal of Neuroscience, 2011, 31, 8862-8869. | 1.7 | 194 |

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|---|---|---|---|
| 37 | Early hyperactivity and precocious maturation of corticostriatal circuits in Shank3Bâ^'/â^' mice. Nature Neuroscience, 2016, 19, 716-724. | 7.1 | 192 |
| 38 | Population imaging of neural activity in awake behaving mice. Nature, 2019, 574, 413-417. | 13.7 | 190 |
| 39 | Mechanisms and functions of GABA co-release. Nature Reviews Neuroscience, 2016, 17, 139-145. | 4.9 | 189 |
| 40 | Anterograde or retrograde transsynaptic labeling of CNS neurons with vesicular stomatitis virus vectors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15414-15419. | 3.3 | 172 |
| 41 | Multipoint-Emitting Optical Fibers for Spatially Addressable InÂVivo Optogenetics. Neuron, 2014, 82, 1245-1254. | 3.8 | 169 |
| 42 | Synapse-specific plasticity and compartmentalized signaling in cerebellar stellate cells. Nature Neuroscience, 2006, 9, 798-806. | 7.1 | 165 |
| 43 | Corelease of acetylcholine and GABA from cholinergic forebrain neurons. ELife, 2015, 4, . | 2.8 | 162 |
| 44 | Molecular Dissociation of the Role of PSD-95 in Regulating Synaptic Strength and LTD. Neuron, 2008, 57, 248-262. | 3.8 | 161 |
| 45 | Neuroligin-1â€“dependent competition regulates cortical synaptogenesis and synapse number. Nature Neuroscience, 2012, 15, 1667-1674. | 7.1 | 159 |
| 46 | Recurrent network activity drives striatal synaptogenesis. Nature, 2012, 485, 646-650. | 13.7 | 159 |
| 47 | Midbrain dopamine neurons sustain inhibitory transmission using plasma membrane uptake of GABA, not synthesis. ELife, 2014, 3, e01936. | 2.8 | 159 |
| 48 | Supraresolution Imaging in Brain Slices using Stimulated-Emission Depletion Two-Photon Laser Scanning Microscopy. Neuron, 2009, 63, 429-437. | 3.8 | 155 |
| 49 | Cholinergic Interneurons Mediate Fast VGluT3-Dependent Glutamatergic Transmission in the Striatum. PLoS ONE, 2011, 6, e19155. | 1.1 | 155 |
| 50 | Caveolae in CNS arterioles mediate neurovascular coupling. Nature, 2020, 579, 106-110. | 13.7 | 153 |
| 51 | Calcium Signaling in Dendritic Spines. Cold Spring Harbor Perspectives in Biology, 2012, 4, a005686-a005686. | 2.3 | 152 |
| 52 | Dynamic illumination of spatially restricted or large brain volumes via a single tapered optical fiber. Nature Neuroscience, 2017, 20, 1180-1188. | 7.1 | 151 |
| 53 | Genetically Distinct Parallel Pathways in the Entopeduncular Nucleus for Limbic and Sensorimotor Output of the Basal Ganglia. Neuron, 2017, 94, 138-152.e5. | 3.8 | 146 |
| 54 | Molecular and anatomical organization of the dorsal raphe nucleus. ELife, 2019, 8, . | 2.8 | 140 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | M1 Muscarinic Receptors Boost Synaptic Potentials and Calcium Influx in Dendritic Spines by Inhibiting Postsynaptic SK Channels. Neuron, 2010, 68, 936-947. | 3.8 | 139 |
| 56 | Live-Cell Superresolution Imaging by Pulsed STED Two-Photon Excitation Microscopy. Biophysical Journal, 2013, 104, 770-777. | 0.2 | 138 |
| 57 | Optically Selective Two-Photon Uncaging of Glutamate at 900 nm. Journal of the American Chemical Society, 2013, 135, 5954-5957. | 6.6 | 137 |
| 58 | Viral manipulation of functionally distinct interneurons in mice, non-human primates and humans. Nature Neuroscience, 2020, 23, 1629-1636. | 7.1 | 133 |
| 59 | Novel recombinant adeno-associated viruses for Cre activated and inactivated transgene expression in neurons. Frontiers in Neural Circuits, 2012, 6, 47. | 1.4 | 131 |
| 60 | Imaging Neurotransmitter and Neuromodulator Dynamics InÂVivo with Genetically Encoded Indicators. Neuron, 2020, 108, 17-32. | 3.8 | 130 |
| 61 | Ca2+ signaling in dendritic spines. Current Opinion in Neurobiology, 2007, 17, 345-351. | 2.0 | 127 |
| 62 | Heparan Sulfate Organizes Neuronal Synapses through Neurexin Partnerships. Cell, 2018, 174, 1450-1464.e23. | 13.5 | 118 |
| 63 | Distinct Cortical-Thalamic-Striatal Circuits through the Parafascicular Nucleus. Neuron, 2019, 102, 636-652.e7. | 3.8 | 118 |
| 64 | Distinct Domains within PSD-95 Mediate Synaptic Incorporation, Stabilization, and Activity-Dependent Trafficking. Journal of Neuroscience, 2009, 29, 12845-12854. | 1.7 | 114 |
| 65 | Optical Measurement of Presynaptic Calcium Currents. Biophysical Journal, 1998, 74, 1549-1563. | 0.2 | 113 |
| 66 | Distinct Structural and Ionotropic Roles of NMDA Receptors in Controlling Spine and Synapse Stability. Journal of Neuroscience, 2007, 27, 7365-7376. | 1.7 | 111 |
| 67 | Biphasic Synaptic Ca Influx Arising from Compartmentalized Electrical Signals in Dendritic Spines. PLoS Biology, 2009, 7, e1000190. | 2.6 | 111 |
| 68 | A Nanobody-Based System Using Fluorescent Proteins as Scaffolds for Cell-Specific Gene Manipulation. Cell, 2013, 154, 928-939. | 13.5 | 104 |
| 69 | Anatomically segregated basal ganglia pathways allow parallel behavioral modulation. Nature Neuroscience, 2020, 23, 1388-1398. | 7.1 | 104 |
| 70 | Spectral Evolution of a Photochemical Protecting Group for Orthogonal Two-Color Uncaging with Visible Light. Journal of the American Chemical Society, 2013, 135, 15948-15954. | 6.6 | 102 |
| 71 | Multiphasic Modulation of Cholinergic Interneurons by Nigrostriatal Afferents. Journal of Neuroscience, 2014, 34, 8557-8569. | 1.7 | 100 |
| 72 | Cell-type-specific asynchronous modulation of PKA by dopamine in learning. Nature, 2021, 590, 451-456. | 13.7 | 100 |

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|---|---|---|---|
| 73 | Phosphorylation of Ser1166 on GluN2B by PKA Is Critical to Synaptic NMDA Receptor Function and Ca<sup>2+</sup>Signaling in Spines. Journal of Neuroscience, 2014, 34, 869-879. | 1.7 | 98 |
| 74 | Principles of Synaptic Organization of GABAergic Interneurons in the Striatum. Neuron, 2016, 92, 84-92. | 3.8 | 98 |
| 75 | Cholinergic modulation of multivesicular release regulates striatal synaptic potency and integration. Nature Neuroscience, 2009, 12, 1121-1128. | 7.1 | 97 |
| 76 | Depth-resolved fiber photometry with a single tapered optical fiber implant. Nature Methods, 2019, 16, 1185-1192. | 9.0 | 97 |
| 77 | Timing and Location of Synaptic Inputs Determine Modes of Subthreshold Integration in Striatal Medium Spiny Neurons. Journal of Neuroscience, 2007, 27, 8967-8977. | 1.7 | 96 |
| 78 | Semaphorin 3Eâ€“Plexin-D1 signaling controls pathway-specific synapse formation in the striatum. Nature Neuroscience, 2012, 15, 215-223. | 7.1 | 95 |
| 79 | Antagonistic but Not Symmetric Regulation of Primary Motor Cortex by Basal Ganglia Direct and Indirect Pathways. Neuron, 2015, 86, 1174-1181. | 3.8 | 95 |
| 80 | Enkephalin Disinhibits Mu Opioid Receptor-Rich Striatal Patches via Delta Opioid Receptors. Neuron, 2015, 88, 1227-1239. | 3.8 | 90 |
| 81 | Globus Pallidus Externus Neurons Expressing parvalbumin Interconnect the Subthalamic Nucleus and Striatal Interneurons. PLoS ONE, 2016, 11, e0149798. | 1.1 | 88 |
| 82 | CRISPR/Cas9-Mediated Gene Knock-Down in Post-Mitotic Neurons. PLoS ONE, 2014, 9, e105584. | 1.1 | 84 |
| 83 | Cotransmission of acetylcholine and GABA. Neuropharmacology, 2016, 100, 40-46. | 2.0 | 81 |
| 84 | Photoactivatable Neuropeptides for Spatiotemporally Precise Delivery of Opioids in Neural Tissue. Neuron, 2012, 73, 249-259. | 3.8 | 80 |
| 85 | Multi-transmitter neurons in the mammalian central nervous system. Current Opinion in Neurobiology, 2017, 45, 85-91. | 2.0 | 78 |
| 86 | A PKA activity sensor for quantitative analysis of endogenous GPCR signaling via 2-photon FRET-FLIM imaging. Frontiers in Pharmacology, 2014, 5, 56. | 1.6 | 76 |
| 87 | Transient Sodium Current at Subthreshold Voltages: Activation by EPSP Waveforms. Neuron, 2012, 75, 1081-1093. | 3.8 | 72 |
| 88 | Pam (Protein associated with Myc) functions as an E3 Ubiquitin ligase and regulates TSC/mTOR signaling. Cellular Signalling, 2008, 20, 1084-1091. | 1.7 | 70 |
| 89 | Anatomical and single-cell transcriptional profiling of the murine habenular complex. ELife, 2020, 9, . | 2.8 | 67 |
| 90 | Signaling in dendritic spines and spine microdomains. Current Opinion in Neurobiology, 2012, 22, 389-396. | 2.0 | 66 |

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|---|---|---|---|
| 91 | Neuromodulation of excitatory synaptogenesis in striatal development. ELife, 2015, 4, . | 2.8 | 62 |
| 92 | The Three-Dimensional Signal Collection Field for Fiber Photometry in Brain Tissue. Frontiers in Neuroscience, 2019, 13, 82. | 1.4 | 62 |
| 93 | A Postsynaptic AMPKâ†'p21-Activated Kinase Pathway Drives Fasting-Induced Synaptic Plasticity in AgRP Neurons. Neuron, 2016, 91, 25-33. | 3.8 | 60 |
| 94 | Developmental presence and disappearance of postsynaptically silent synapses on dendritic spines of rat layer 2/3 pyramidal neurons. Journal of Physiology, 2008, 586, 1519-1527. | 1.3 | 58 |
| 95 | Tailoring light delivery for optogenetics by modal demultiplexing in tapered optical fibers. Scientific Reports, 2018, 8, 4467. | 1.6 | 57 |
| 96 | Cortical ChAT+ neurons co-transmit acetylcholine and GABA in a target- and brain-region-specific manner. ELife, 2020, 9, . | 2.8 | 57 |
| 97 | A novel computational approach for automatic dendrite spines detection in two-photon laser scan microscopy. Journal of Neuroscience Methods, 2007, 165, 122-134. | 1.3 | 56 |
| 98 | Optical super-resolution microscopy in neurobiology. Current Opinion in Neurobiology, 2012, 22, 86-93. | 2.0 | 53 |
| 99 | Endogenous GÎ±q-Coupled Neuromodulator Receptors Activate Protein Kinase A. Neuron, 2017, 96, 1070-1083.e5. | 3.8 | 53 |
| 100 | Dendritic spine detection using curvilinear structure detector and LDA classifier. NeuroImage, 2007, 36, 346-360. | 2.1 | 52 |
| 101 | Super-resolution 2-photon microscopy reveals that the morphology of each dendritic spine correlates with diffusive but not synaptic properties. Frontiers in Neuroanatomy, 2014, 8, 29. | 0.9 | 43 |
| 102 | An E3-ligase-based method for ablating inhibitory synapses. Nature Methods, 2016, 13, 673-678. | 9.0 | 43 |
| 103 | High Content Image Analysis Identifies Novel Regulators of Synaptogenesis in a High-Throughput RNAi Screen of Primary Neurons. PLoS ONE, 2014, 9, e91744. | 1.1 | 42 |
| 104 | A Direct Projection from Mouse Primary Visual Cortex to Dorsomedial Striatum. PLoS ONE, 2014, 9, e104501. | 1.1 | 41 |
| 105 | Monitoring Behaviorally Induced Biochemical Changes Using Fluorescence Lifetime Photometry. Frontiers in Neuroscience, 2019, 13, 766. | 1.4 | 40 |
| 106 | Regulation of synaptic signalling by postsynaptic, nonâ€glutamate receptor ion channels. Journal of Physiology, 2008, 586, 1475-1480. | 1.3 | 38 |
| 107 | Modal demultiplexing properties of tapered and nanostructured optical fibers for in vivo optogenetic control of neural activity. Biomedical Optics Express, 2015, 6, 4014. | 1.5 | 38 |
| 108 | Single-Cell Analysis of Neuroinflammatory Responses Following Intracranial Injection of G-Deleted Rabies Viruses. Frontiers in Cellular Neuroscience, 2020, 14, 65. | 1.8 | 35 |

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|---|---|---|---|
| 109 | Bombesin-like peptide recruits disinhibitory cortical circuits and enhances fear memories. Cell, 2021, 184, 5622-5634.e25. | 13.5 | 35 |
| 110 | Striatal indirect pathway mediates exploration via collicular competition. Nature, 2021, 599, 645-649. | 13.7 | 35 |
| 111 | A Caged Enkephalin Optimized for Simultaneously Probing Mu and Delta Opioid Receptors. ACS Chemical Neuroscience, 2018, 9, 684-690. | 1.7 | 34 |
| 112 | Focused ion beam nanomachining of tapered optical fibers for patterned light delivery. Microelectronic Engineering, 2018, 195, 41-49. | 1.1 | 34 |
| 113 | Silk Fibroin Films Facilitate Single-Step Targeted Expression of Optogenetic Proteins. Cell Reports, 2018, 22, 3351-3361. | 2.9 | 32 |
| 114 | Rapid purification and metabolomic profiling of synaptic vesicles from mammalian brain. ELife, 2020, 9, . | 2.8 | 32 |
| 115 | Caged Naloxone Reveals Opioid Signaling Deactivation Kinetics. Molecular Pharmacology, 2013, 84, 687-695. | 1.0 | 31 |
| 116 | Astrocyte-neuron crosstalk through Hedgehog signaling mediates cortical synapse development. Cell Reports, 2022, 38, 110416. | 2.9 | 31 |
| 117 | Development of Anionically Decorated Caged Neurotransmitters: In Vitro Comparison of 7â€Nitroindolinylâ€and 2â€(pâ€Phenylâ€oâ€nitrophenyl)propylâ€Based Photochemical Probes. ChemBioChem, 2016, 17, 953-961. | 1.3 | 23 |
| 118 | Cre Activated and Inactivated Recombinant Adenoâ€Associated Viral Vectors for Neuronal Anatomical Tracing or Activity Manipulation. Current Protocols in Neuroscience, 2015, 72, 1.24.1-1.24.15. | 2.6 | 21 |
| 119 | Boosting of Synaptic Potentials and Spine Ca Transients by the Peptide Toxin SNX-482 Requires Alpha-1E-Encoded Voltage-Gated Ca Channels. PLoS ONE, 2011, 6, e20939. | 1.1 | 20 |
| 120 | Co-packaging of opposing neurotransmitters in individual synaptic vesicles in the central nervous system. Neuron, 2022, 110, 1371-1384.e7. | 3.8 | 19 |
| 121 | Tapered fibertrodes for optoelectrical neural interfacing in small brain volumes with reduced artefacts. Nature Materials, 2022, 21, 826-835. | 13.3 | 18 |
| 122 | Neurophotonic Tools for Microscopic Measurements and Manipulation: Status Report. Neurophotonics, 2022, 9, 013001. | 1.7 | 17 |
| 123 | Dendritic branch structure compartmentalizes voltage-dependent calcium influx in cortical layer 2/3 pyramidal cells. ELife, 2022, 11, . | 2.8 | 16 |
| 124 | Mice exhibit stochastic and efficient action switching during probabilistic decision making. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113961119. | 3.3 | 15 |
| 125 | Comparative study of autofluorescence in flat and tapered optical fibers towards application in depth-resolved fluorescence lifetime photometry in brain tissue. Biomedical Optics Express, 2021, 12, 993. | 1.5 | 13 |
| 126 | How to Grow a Synapse. Neuron, 2014, 82, 256-257. | 3.8 | 12 |

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|---|---|---|---|
| 127 | Ray tracing models for estimating light collection properties of microstructured tapered optical fibers for optical neural interfaces. Optics Letters, 2020, 45, 3856. | 1.7 | 11 |
| 128 | Sunlight Brightens Learning and Memory. Cell, 2018, 173, 1570-1572. | 13.5 | 9 |
| 129 | Social isolation uncovers a circuit underlying context-dependent territory-covering micturition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 9 |
| 130 | Two-photon fluorescence-assisted laser ablation of non-planar metal surfaces: fabrication of optical apertures on tapered fibers for optical neural interfaces. Optics Express, 2020, 28, 21368. | 1.7 | 7 |
| 131 | Orthogonalization of far-field detection in tapered optical fibers for depth-selective fiber photometry in brain tissue. APL Photonics, 2022, 7, 026106. | 3.0 | 6 |
| 132 | The Kinase Specificity of Protein Kinase Inhibitor Peptide. Frontiers in Pharmacology, 2021, 12, 632815. | 1.6 | 5 |
| 133 | Realâ€Time, In Vivo Measurement of Protein Kinase A Activity in Deep Brain Structures Using Fluorescence Lifetime Photometry (FLiP). Current Protocols, 2021, 1, e265. | 1.3 | 5 |
| 134 | Neighbourly synapses. Nature, 2007, 450, 1173-1175. | 13.7 | 4 |
| 135 | NeuronIQ: A novel computational approach for automatic dendrite spines detection and analysis. , 2007, , . | | 3 |
| 136 | In vivo nuclear capture and molecular profiling identifies Gmeb1 as a transcriptional regulator essential for dopamine neuron function. Nature Communications, 2019, 10, 2508. | 5.8 | 3 |
| 137 | Analysis of Thermogenesis Experiments with CalR. Methods in Molecular Biology, 2022, 2448, 43-72. | 0.4 | 3 |
| 138 | Tapered Fibers for Optogenetics: Gaining Spatial Resolution in Deep Brain Regions by Exploiting Angle-Selective Light Injection Systems. , 2019, , . | | 1 |
| 139 | Depth-Resolved Optical Monitoring of Neural Activity in Freely Moving Animals. , 2020, , . | | 1 |
| 140 | Multipoint optogenetic control of neural activity with tapered and nanostructured optical fibers. , 2015, , . | | 0 |
| 141 | Modeling Brain Tissue Scattering for Optical Neural Interfaces. , 2019, , . | | 0 |
| 142 | Tapered Optical Fibers for Fluorescence Lifetime Photometry. , 2021, , . | | 0 |
| 143 | Tapered Fibers Technology for Multi-functional Neural Interfaces. , 2020, , . | | 0 |
| 144 | Tapered Optical Fibers toward Depth Resolved Fluorescence Lifetime Photometry in brain tissue. , 2021, , . | | 0 |