

# Philip E Hockberger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4317305/publications.pdf>

Version: 2024-02-01

39  
papers

2,082  
citations

430442

18  
h-index

344852

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of flavin-containing oxidases underlies light-induced production of H <sub>2</sub> O <sub>2</sub> in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 6255-6260.	3.3	303
2	Kinetics of bone cell organization and mineralization on materials with patterned surface chemistry. <i>Biomaterials</i> , 1996, 17, 195-208.	5.7	244
3	A diacylglycerol analogue reduces neuronal calcium currents independently of protein kinase C activation. <i>Nature</i> , 1989, 338, 340-342.	13.7	189
4	A History of Ultraviolet Photobiology for Humans, Animals and Microorganisms. <i>Photochemistry and Photobiology</i> , 2002, 76, 561.	1.3	156
5	A versatile technique for patterning biomolecules onto glass coverslips. <i>Journal of Neuroscience Methods</i> , 1993, 50, 385-397.	1.3	141
6	Spatial distribution of mammalian cells dictated by material surface chemistry. <i>Biotechnology and Bioengineering</i> , 1994, 43, 792-800.	1.7	101
7	Dynamic features of postnatal subventricular zone cell motility: A two-photon time-lapse study. <i>Journal of Comparative Neurology</i> , 2007, 505, 190-208.	0.9	98
8	MEF-2 regulates activity-dependent spine loss in striatopallidal medium spiny neurons. <i>Molecular and Cellular Neurosciences</i> , 2010, 44, 94-108.	1.0	96
9	A novel membrane sodium current induced by injection of cyclic nucleotides into gastropod neurones. <i>Journal of Physiology</i> , 1984, 354, 139-162.	1.3	82
10	Increased reactive oxygen species in familial amyotrophic lateral sclerosis with mutations in SOD1. <i>Journal of the Neurological Sciences</i> , 2000, 176, 88-94.	0.3	76
11	Galectin-3 maintains cell motility from the subventricular zone to the olfactory bulb. <i>Journal of Cell Science</i> , 2011, 124, 2438-2447.	1.2	75
12	Analysis of spontaneous electrical activity in cerebellar Purkinje cells acutely isolated from postnatal rats. <i>Journal of Neurophysiology</i> , 1997, 33, 18-32.		64
13	Adult Mouse Subventricular Zone Stem and Progenitor Cells Are Sessile and Epidermal Growth Factor Receptor Negatively Regulates Neuroblast Migration. <i>PLoS ONE</i> , 2009, 4, e8122.	1.1	50
14	A History of Ultraviolet Photobiology for Humans, Animals and Microorganisms. <i>Photochemistry and Photobiology</i> , 2007, 76, 561-579.	1.3	43
15	Pathfinding by Neuroblastoma Cells in Culture Is Directed by Preferential Adhesion to Positively Charged Surfaces. <i>NeuroImage</i> , 1993, 1, 129-144.	2.1	37
16	Direct ion channel gating: A new function for intracellular messengers. <i>Cellular and Molecular Neurobiology</i> , 1987, 7, 229-236.	1.7	33
17	The discovery of the damaging effect of sunlight on bacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 58, 185-191.	1.7	32
18	Building a Sustainable Portfolio of Core Facilities: a Case Study. <i>Journal of Biomolecular Techniques</i> , 2018, 29, 79-92.	0.8	26

#	ARTICLE	IF	CITATIONS
19	Alteration of calcium conductances and outward current by cyclic adenosine monophosphate (cAMP) in neurons of <i>Limax maximus</i> . <i>Cellular and Molecular Neurobiology</i> , 1984, 4, 319-338.	1.7	23
20	Metrics for Success: Strategies for Enabling Core Facility Performance and Assessing Outcomes. <i>Journal of Biomolecular Techniques</i> , 2016, 27, 25-39.	0.8	22
21	Compartmentalization of cyclic AMP elevation in neurons of <i>Aplysia californica</i> . <i>Cellular and Molecular Neurobiology</i> , 1987, 7, 19-33.	1.7	18
22	Subventricular Zone Cell Migration: Lessons from Quantitative Two-Photon Microscopy. <i>Frontiers in Neuroscience</i> , 2011, 5, 30.	1.4	18
23	Rostral migratory stream neuroblasts turn and change directions in stereotypic patterns. <i>Cell Adhesion and Migration</i> , 2011, 5, 83-95.	1.1	17
24	Transferrin can alter physiological properties of retinal neurons. <i>Brain Research</i> , 1991, 561, 318-323.	1.1	15
25	Identification of Acutely Isolated Cells from Developing Rat Cerebellum. <i>NeuroImage</i> , 1994, 1, 276-287.	2.1	15
26	Best Practices for Core Facilities: Handling External Customers. <i>Journal of Biomolecular Techniques</i> , 2013, 24, jbt.13-2402-001.	0.8	15
27	Divalent ions released from stainless steel hypodermic needles reduce neuronal calcium currents. <i>Pflügers Archiv European Journal of Physiology</i> , 1992, 420, 106-108.	1.3	14
28	High-voltage-activated calcium current in developing neurons is insensitive to nifedipine. <i>Pflügers Archiv European Journal of Physiology</i> , 1994, 426, 402-411.	1.3	14
29	Is laminin-1 a guidance cue for cerebellar granule cell migration?. , 1997, 33, 72-84.		12
30	PGE2 suppresses mitogen-induced Ca <sup>2+</sup> mobilization in T cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 277, R1741-R1748.	0.9	12
31	Signaling mechanisms of elevated neutrophil O <sub>2</sub> <sup>•-</sup> generation after burn injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 274, R476-R485.	0.9	10
32	Imaging of Mitochondrial and Non-Mitochondrial Responses in Cultured Rat Hippocampal Neurons Exposed to Micromolar Concentrations of TMRM. <i>PLoS ONE</i> , 2013, 8, e58059.	1.1	10
33	Establishing a national strategy for shared research resources in biomedical sciences. <i>FASEB Journal</i> , 2021, 35, e21973.	0.2	8
34	Direct Measurements of cAMP Effects on Membrane Conductance, Intracellular Ca <sup>2+</sup> and pH in Molluscan Neurons. <i>Advances in Behavioral Biology</i> , 1982, , 179-196.	0.2	4
35	(-)-Isoproterenol modulation of maxi-K <sup>+</sup> channel in nonpigmented ciliary epithelial cells through a G-protein gated pathway. <i>Current Eye Research</i> , 2002, 24, 173-181.	0.7	3
36	A Rationale and Outline for an Undergraduate Course on the Philosophy and History of Science for Life Science Students. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2005, 4, A12-A16.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Spontaneous Oscillations in Mitochondrial Membrane Potential of Cultured Neurons Did Not Correlate With Cytosolic Calcium Concentration. <i>Biophysical Journal</i> , 2009, 96, 534a.	0.2	1
38	Calcium and cAMP: Second Messengers in Gastropod Neurons. , 1985, , 437-460.		1
39	NUcore at 10: A Decade of Experience Developing a Core Facilities Management Application. , 2021, 32, .		0