

# Nikos Chronis

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,353  
citations

567281

15  
h-index

501196

28  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissecting a circuit for olfactory behaviour in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2007, 450, 63-70.	27.8	573
2	Microfluidics for in vivo imaging of neuronal and behavioral activity in <i>Caenorhabditis elegans</i> . <i>Nature Methods</i> , 2007, 4, 727-731.	19.0	539
3	Neurons Detect Increases and Decreases in Oxygen Levels Using Distinct Guanylate Cyclases. <i>Neuron</i> , 2009, 61, 865-879.	8.1	253
4	Femtosecond laser nanoaxotomy lab-on-a-chip for in vivo nerve regeneration studies. <i>Nature Methods</i> , 2008, 5, 531-533.	19.0	196
5	CO <sub>2</sub> and compressive immobilization of <i>C. elegans</i> on-chip. <i>Lab on A Chip</i> , 2009, 9, 151-157.	6.0	138
6	Microfluidics for the analysis of behavior, nerve regeneration, and neural cell biology in <i>C. elegans</i> . <i>Current Opinion in Neurobiology</i> , 2009, 19, 561-567.	4.2	114
7	Worm chips: Microtools for <i>C. elegans</i> biology. <i>Lab on A Chip</i> , 2010, 10, 432-437.	6.0	94
8	An automated microfluidic platform for calcium imaging of chemosensory neurons in <i>Caenorhabditis elegans</i> . <i>Lab on A Chip</i> , 2010, 10, 2758.	6.0	90
9	Microfluidic Chips for In Vivo Imaging of Cellular Responses to Neural Injury in <i>Drosophila</i> Larvae. <i>PLoS ONE</i> , 2012, 7, e29869.	2.5	90
10	Circuit mechanisms encoding odors and driving aging-associated behavioral declines in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2015, 4, e10181.	6.0	49
11	A high numerical aperture, polymer-based, planar microlens array. <i>Optics Express</i> , 2009, 17, 19908.	3.4	27
12	Using Microfluidics Chips for Live Imaging and Study of Injury Responses in <i>Drosophila</i> Larvae. <i>Journal of Visualized Experiments</i> , 2014, , e50998.	0.3	20
13	An automated compound screening for anti-aging effects on the function of <i>C. elegans</i> sensory neurons. <i>Scientific Reports</i> , 2017, 7, 9403.	3.3	18
14	A Biochip with a 3D microfluidic architecture for trapping white blood cells. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 244-251.	7.8	17
15	Chemically induced oxidative stress affects ASH neuronal function and behavior in <i>C. elegans</i> . <i>Scientific Reports</i> , 2016, 6, 38147.	3.3	17
16	A Near-Infrared Optomechanical Intracranial Pressure Microsensor. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 23-33.	2.5	16
17	Emerging biotechnologies for evaluating disruption of stress, sleep, and circadian rhythm mechanism using aptamer-based detection of salivary biomarkers. <i>Biotechnology Advances</i> , 2022, 59, 107961.	11.7	16
18	An Implantable X-Ray-Based Blood Pressure Microsensor for Coronary In-Stent Restenosis Surveillance and Prevention. <i>Journal of Microelectromechanical Systems</i> , 2015, 24, 50-61.	2.5	12

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19	Altered Sensory Code Drives Juvenile-to-Adult Behavioral Maturation in <i>Caenorhabditis elegans</i> . <i>ENeuro</i> , 2016, 3, ENEURO.0175-16.2016.	1.9	11
20	Probing the physiology of ASH neuron in <i>Caenorhabditis elegans</i> using electric current stimulation. <i>Applied Physics Letters</i> , 2011, 99, 053702.	3.3	10
21	On chip cryo-anesthesia of <i>Drosophila</i> larvae for high resolution in vivo imaging applications. <i>Lab on A Chip</i> , 2017, 17, 2303-2322.	6.0	8
22	An Optofluidic Lens Array Microchip for High Resolution Stereo Microscopy. <i>Micromachines</i> , 2014, 5, 607-621.	2.9	7
23	On-Demand Isolation and Manipulation of <i>C. elegans</i> by In Vitro Maskless Photopatterning. <i>PLoS ONE</i> , 2016, 11, e0145935.	2.5	6
24	An X-ray detectable pressure microsensor for monitoring coronary in-stent restenosis. , 2014, , .		5
25	A portable, optical scanning microsystem for large field of view, high resolution imaging of biological specimens. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 367-375.	4.1	5
26	Microfabricated instrument tag for the radiographic detection of retained foreign bodies during surgery. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
27	A Portable, Optical Scanning System for Large Field of View, High Resolution Imaging of Biological Specimens. <i>Proceedings (mdpi)</i> , 2017, 1, 548.	0.2	1
28	Microfluidics for Neuronal Imaging. , 2014, , 243-259.		1
29	Femtosecond laser nanosurgery in microfluidic devices and its emerging role in nerve regeneration studies. , 2008, , .		0
30	A 3D-printed, touch-activated, sanitizer dispensing device for reducing healthcare-acquired infections. <i>Journal of 3D Printing in Medicine</i> , 2020, 4, 91-104.	2.0	0
31	An optoelectronic chip with integrated epi-illumination source and collection optics for imaging applications. <i>Sensors and Actuators A: Physical</i> , 2020, 312, 112082.	4.1	0