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List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Circuit mechanisms encoding odors and driving aging-associated behavioral declines in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2015, 4, e10181.	6.0	49
12	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
13	An Optofluidic Lens Array Microchip for High Resolution Stereo Microscopy. <i>Micromachines</i> , 2014, 5, 607-621.	2.9	7
14	An X-ray detectable pressure microsensor for monitoring coronary in-stent restenosis. , 2014, , .		5
15	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
16	Microfluidics for Neuronal Imaging. , 2014, , 243-259.		1
17	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
18	Microfabricated instrument tag for the radiographic detection of retained foreign bodies during surgery. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Microfluidic Chips for In Vivo Imaging of Cellular Responses to Neural Injury in <i>Drosophila</i> Larvae. PLoS ONE, 2012, 7, e29869.	2.5	90
20	A Near-Infrared Optomechanical Intracranial Pressure Microsensor. Journal of Microelectromechanical Systems, 2012, 21, 23-33.	2.5	16
21	Probing the physiology of ASH neuron in <i>Caenorhabditis elegans</i> using electric current stimulation. Applied Physics Letters, 2011, 99, 053702.	3.3	10
22	An automated microfluidic platform for calcium imaging of chemosensory neurons in <i>Caenorhabditis elegans</i> . Lab on A Chip, 2010, 10, 2758.	6.0	90
23	Worm chips: Microtools for <i>C. elegans</i> biology. Lab on A Chip, 2010, 10, 432-437.	6.0	94
24	Microfluidics for the analysis of behavior, nerve regeneration, and neural cell biology in <i>C. elegans</i> . Current Opinion in Neurobiology, 2009, 19, 561-567.	4.2	114
25	Neurons Detect Increases and Decreases in Oxygen Levels Using Distinct Guanylate Cyclases. Neuron, 2009, 61, 865-879.	8.1	253
26	A high numerical aperture, polymer-based, planar microlens array. Optics Express, 2009, 17, 19908.	3.4	27
27	CO ₂ and compressive immobilization of <i>C. elegans</i> on-chip. Lab on A Chip, 2009, 9, 151-157.	6.0	138
28	Femtosecond laser nanoaxotomy lab-on-a-chip for in vivo nerve regeneration studies. Nature Methods, 2008, 5, 531-533.	19.0	196
29	Femtosecond laser nanosurgery in microfluidic devices and its emerging role in nerve regeneration studies. , 2008, , .		0
30	Microfluidics for in vivo imaging of neuronal and behavioral activity in <i>Caenorhabditis elegans</i> . Nature Methods, 2007, 4, 727-731.	19.0	539
31	Dissecting a circuit for olfactory behaviour in <i>Caenorhabditis elegans</i> . Nature, 2007, 450, 63-70.	27.8	573