

# Dirk R Albrecht

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,725  
citations

471509

17  
h-index

610901

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic Devices for Behavioral Analysis, Microscopy, and Neuronal Imaging in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2022, 2468, 293-318.	0.9	0
2	Monitoring neural activity during sleep/wake events in adult <i>C.Âelegans</i> by automated sleep detection and stimulation. <i>STAR Protocols</i> , 2022, 3, 101532.	1.2	1
3	Phosphofructokinase relocalizes into subcellular compartments with liquid-like properties inÂvivo. <i>Biophysical Journal</i> , 2021, 120, 1170-1186.	0.5	39
4	Sleep Analysis in Adult <i>C. elegans</i> Reveals State-Dependent Alteration of Neural and Behavioral Responses. <i>Journal of Neuroscience</i> , 2021, 41, 1892-1907.	3.6	13
5	A polymer index-matched to water enables diverse applications in fluorescence microscopy. <i>Lab on A Chip</i> , 2021, 21, 1549-1562.	6.0	18
6	Automated Functional Screening for Modulators of Optogenetically Activated Neural Responses in Living Organisms. <i>Methods in Molecular Biology</i> , 2021, 2191, 221-233.	0.9	0
7	Silk Particle Production Based on Silk/PVA Phase Separation Using a Microfabricated Co-flow Device. <i>Molecules</i> , 2020, 25, 890.	3.8	13
8	A Single-Neuron Chemosensory Switch Determines the Valence of a Sexually Dimorphic Sensory Behavior. <i>Current Biology</i> , 2018, 28, 902-914.e5.	3.9	60
9	Automated fluid delivery from multiwell plates to microfluidic devices for high-throughput experiments and microscopy. <i>Scientific Reports</i> , 2018, 8, 6217.	3.3	15
10	Rapid and gentle hydrogel encapsulation of living organisms enables long-term microscopy over multiple hours. <i>Communications Biology</i> , 2018, 1, 73.	4.4	46
11	Using an Adapted Microfluidic Olfactory Chip for the Imaging of Neuronal Activity in Response to Pheromones in Male <i>C. Elegans</i> Head Neurons. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	14
12	Anti-Fas conjugated hyaluronic acid microsphere gels for neural stem cell delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 608-618.	4.0	20
13	Optical Method to Quantify Mechanical Contraction and Calcium Transients of Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 445-454.	2.1	27
14	From pixel to voxel in the clinical diagnosis. , 2016, , .		1
15	A Circuit for Gradient Climbing in <i>C.Âelegans</i> Chemotaxis. <i>Cell Reports</i> , 2015, 12, 1748-1760.	6.4	120
16	Microfluidic Devices for Behavioral Analysis, Microscopy, and Neuronal Imaging in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2015, 1327, 159-179.	0.9	19
17	Serotonin and the Neuropeptide PDF Initiate and Extend Opposing Behavioral States in <i>C.Âelegans</i> . <i>Cell</i> , 2013, 154, 1023-1035.	28.9	356
18	High-throughput imaging of neuronal activity in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4266-73.	7.1	164

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19	Oxytocin/Vasopressin-Related Peptides Have an Ancient Role in Reproductive Behavior. <i>Science</i> , 2012, 338, 540-543.	12.6	225
20	High-content behavioral analysis of <i>Caenorhabditis elegans</i> in precise spatiotemporal chemical environments. <i>Nature Methods</i> , 2011, 8, 599-605.	19.0	214
21	Neuropeptide feedback modifies odor-evoked dynamics in <i>Caenorhabditis elegans</i> olfactory neurons. <i>Nature Neuroscience</i> , 2010, 13, 615-621.	14.8	213
22	Microfluidics-integrated time-lapse imaging for analysis of cellular dynamics. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 278.	1.3	26
23	Multiphase electropatterning of cells and biomaterials. <i>Lab on A Chip</i> , 2007, 7, 702.	6.0	75
24	Assessment of hepatocellular function within PEG hydrogels. <i>Biomaterials</i> , 2007, 28, 256-270.	11.4	188
25	Probing the role of multicellular organization in three-dimensional microenvironments. <i>Nature Methods</i> , 2006, 3, 369-375.	19.0	523
26	Photo- and electropatterning of hydrogel-encapsulated living cell arrays. <i>Lab on A Chip</i> , 2005, 5, 111.	6.0	257
27	Geometric and Material Determinants of Patterning Efficiency by Dielectrophoresis. <i>Biophysical Journal</i> , 2004, 87, 2131-2147.	0.5	75