

Yi-Chun Wu

List of Publications by Year in descending order

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papers

3,635
citations

257101

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288905

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docs citations

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times ranked

4459
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Imaging and Toxicity Assessments of Fluorescent Nanodiamonds in <i>Caenorhabditis elegans</i> . <i>Nano Letters</i> , 2010, 10, 3692-3699.	4.5	514
2	DNA-Gold Nanorod Conjugates for Remote Control of Localized Gene Expression by near Infrared Irradiation. <i>Journal of the American Chemical Society</i> , 2006, 128, 3709-3715.	6.6	411
3	<i>C. elegans</i> phagocytosis and cell-migration protein CED-5 is similar to human DOCK180. <i>Nature</i> , 1998, 392, 501-504.	13.7	346
4	Selective Binding of Mannose-Encapsulated Gold Nanoparticles to Type 1 Pili in <i>Escherichia coli</i> . <i>Journal of the American Chemical Society</i> , 2002, 124, 3508-3509.	6.6	280
5	The <i>C. elegans</i> Cell Corpse Engulfment Gene <i>ced-7</i> Encodes a Protein Similar to ABC Transporters. <i>Cell</i> , 1998, 93, 951-960.	13.5	275
6	Phagocytosis of Apoptotic Cells Is Regulated by a UNC-73/TRIO-MIG-2/RhoG Signaling Module and Armadillo Repeats of CED-12/ELMO. <i>Current Biology</i> , 2004, 14, 2208-2216.	1.8	185
7	Cell Corpse Engulfment Mediated by <i>C. elegans</i> Phosphatidylserine Receptor Through CED-5 and CED-12. <i>Science</i> , 2003, 302, 1563-1566.	6.0	183
8	Preparation of Fluorescent Silica Nanotubes and Their Application in Gene Delivery. <i>Advanced Materials</i> , 2005, 17, 404-407.	11.1	166
9	<i>C. elegans</i> CED-12 Acts in the Conserved CrkII/DOCK180/Rac Pathway to Control Cell Migration and Cell Corpse Engulfment. <i>Developmental Cell</i> , 2001, 1, 491-502.	3.1	160
10	NUC-1, a <i>Caenorhabditis elegans</i> DNase II homolog, functions in an intermediate step of DNA degradation during apoptosis. <i>Genes and Development</i> , 2000, 14, 536-548.	2.7	146
11	Quantitative analysis of multivalent interactions of carbohydrate-encapsulated gold nanoparticles with concanavalin A. Electronic supplementary information (ESI) available: detailed experimental procedures, SPR response curves and compound characterization data. See http://www.rsc.org/suppdata/cc/b3/b308995a/ . <i>Chemical Communications</i> , 2003, 2920.	2.2	125
12	Programmed Cell Death During <i>Caenorhabditis elegans</i> Development. <i>Genetics</i> , 2016, 203, 1533-1562.	1.2	88
13	Fluorescent nanodiamond as a probe for the intercellular transport of proteins <i>in vivo</i> . <i>Biomaterials</i> , 2013, 34, 8352-8360.	5.7	83
14	Engulfment of Apoptotic Cells in <i>C. elegans</i> Is Mediated by Integrin α /SRC Signaling. <i>Current Biology</i> , 2010, 20, 477-486.	1.8	82
15	Fluorescence-Guided Probes of Aptamer-Targeted Gold Nanoparticles with Computed Tomography Imaging Accesses for <i>in Vivo</i> Tumor Resection. <i>Scientific Reports</i> , 2015, 5, 15675.	1.6	73
16	Negative regulation of <i>Caenorhabditis elegans</i> epidermal damage responses by death-associated protein kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1457-1461.	3.3	70
17	Distinct Rac Activation Pathways Control <i>Caenorhabditis elegans</i> Cell Migration and Axon Outgrowth. <i>Developmental Biology</i> , 2002, 250, 145-155.	0.9	63
18	Diacylglycerol lipase regulates lifespan and oxidative stress response by inversely modulating TOR signaling in <i>Drosophila</i> and <i>C. elegans</i> . <i>Aging Cell</i> , 2014, 13, 755-764.	3.0	53

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19	Noise propagation with interlinked feed-forward pathways. <i>Scientific Reports</i> , 2016, 6, 23607.	1.6	36
20	Restriction of vaccinia virus replication by a ced-3 and ced-4-dependent pathway in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4174-4179.	3.3	34
21	Fluorescence lifetime imaging microscopy of nanodiamonds in vivo. <i>Proceedings of SPIE</i> , 2013, , .	0.8	33
22	Integrin β PAT-2/CDC-42 Signaling Is Required for Muscle-Mediated Clearance of Apoptotic Cells in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2012, 8, e1002663.	1.5	29
23	eIF3k regulates apoptosis in epithelial cells by releasing caspase 3 from keratin-containing inclusions. <i>Journal of Cell Science</i> , 2008, 121, 2382-2393.	1.2	28
24	BLMP-1/Blimp-1 Regulates the Spatiotemporal Cell Migration Pattern in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004428.	1.5	27
25	Length-dependent toxicity of untranslated CUG repeats on <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 774-779.	1.0	26
26	LIN-3/EGF Promotes the Programmed Cell Death of Specific Cells in <i>Caenorhabditis elegans</i> by Transcriptional Activation of the Pro-apoptotic Gene <i>egl-1</i> . <i>PLoS Genetics</i> , 2014, 10, e1004513.	1.5	18
27	Engulfing cells promote neuronal regeneration and remove neuronal debris through distinct biochemical functions of CED-1. <i>Nature Communications</i> , 2018, 9, 4842.	5.8	15
28	Analysis of Programmed Cell Death in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2000, 322, 76-88.	0.4	12
29	Growth-dependent effect of muscleblind knockdown on <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 705-709.	1.0	12
30	Early developmental nanoplastics exposure disturbs circadian rhythms associated with stress resistance decline and modulated by DAF-16 and PRDX-2 in <i>C. elegans</i> . <i>Journal of Hazardous Materials</i> , 2022, 423, 127091.	6.5	9
31	Fluorescent Nanodiamond “ A Novel Nanomaterial for<i> In Vivo</i>Applications. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1362, 1.	0.1	8
32	Methods for Studying Programmed Cell Death in <i>C. elegans</i> . <i>Methods in Cell Biology</i> , 2012, 107, 295-320.	0.5	7
33	<i>C. elegans</i> EIF-3.K Promotes Programmed Cell Death through CED-3 Caspase. <i>PLoS ONE</i> , 2012, 7, e36584.	1.1	7
34	Ultrasensitive Detection of Alzheimer’s Amyloids on a Plasmonic-Gold Platform. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57036-57042.	4.0	7
35	Quantum-dot-embedded silica nanotubes as nanoprobe for simple and sensitive DNA detection. <i>Nanotechnology</i> , 2011, 22, 155102.	1.3	6
36	Functional characterization of the meiosis-specific DNA double-strand break inducing factor SPO-11 from <i>C. elegans</i> . <i>Scientific Reports</i> , 2017, 7, 2370.	1.6	6

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37	Caenorhabditis elegans TLK-1 controls cytokinesis by localizing AIR-2/Aurora B to midzone microtubules. Biochemical and Biophysical Research Communications, 2010, 400, 187-193.	1.0	4
38	Development of a water refractive index-matched microneedle integrated into a light sheet microscopy system for continuous embryonic cell imaging. Lab on A Chip, 2022, 22, 584-591.	3.1	3
39	BLMP-1 promotes developmental cell death in C. elegans by timely repression of ced-9/bcl-2 transcription. Development (Cambridge), 2021, 148, .	1.2	2
40	C.Âelegans BLMP-1 controls apical epidermal cell morphology by repressing expression of mannosyltransferase bus-8 and molting signal mlt-8. Developmental Biology, 2022, 486, 96-108.	0.9	2
41	Programmed Cell Death in C. elegans. , 2009, , 355-373.		1
42	Programmed Cell Death in C. elegans. , 2003, , 135-144.		0