

Yi-Chun Wu

List of Publications by Year in descending order

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42
papers

3,635
citations

257450

24
h-index

289244

40
g-index

42
all docs

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docs citations

42
times ranked

4459
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	12.4	9
2	Development of a water refractive index-matched microneedle integrated into a light sheet microscopy system for continuous embryonic cell imaging. <i>Lab on A Chip</i> , 2022, 22, 584-591.	6.0	3
3	<i>C.Âelegans</i> BLMP-1 controls apical epidermal cell morphology by repressing expression of mannosyltransferase bus-8 and molting signal mlt-8. <i>Developmental Biology</i> , 2022, 486, 96-108.	2.0	2
4	BLMP-1 promotes developmental cell death in <i>C. elegans</i> by timely repression of ced-9/bcl-2 transcription. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	2
5	Ultrasensitive Detection of Alzheimerâ€™s Amyloids on a Plasmonic-Gold Platform. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57036-57042.	8.0	7
6	Engulfing cells promote neuronal regeneration and remove neuronal debris through distinct biochemical functions of CED-1. <i>Nature Communications</i> , 2018, 9, 4842.	12.8	15
7	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.	3.3	6
8	Programmed Cell Death During <i>Caenorhabditis elegans</i> Development. <i>Genetics</i> , 2016, 203, 1533-1562.	2.9	88
9	Noise propagation with interlinked feed-forward pathways. <i>Scientific Reports</i> , 2016, 6, 23607.	3.3	36
10	Fluorescence-Guided Probes of Aptamer-Targeted Gold Nanoparticles with Computed Tomography Imaging Accesses for in Vivo Tumor Resection. <i>Scientific Reports</i> , 2015, 5, 15675.	3.3	73
11	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.	3.5	18
12	BLMP-1/Blimp-1 Regulates the Spatiotemporal Cell Migration Pattern in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004428.	3.5	27
13	<i>D</i> iacylglycerol lipase regulates lifespan and oxidative stress response by inversely modulating TOR signaling in <i>Drosophila</i> and <i>C.Âelegans</i> . <i>Aging Cell</i> , 2014, 13, 755-764.	6.7	53
14	Fluorescent nanodiamond as a probe for the intercellular transport of proteins in vivo. <i>Biomaterials</i> , 2013, 34, 8352-8360.	11.4	83
15	Fluorescence lifetime imaging microscopy of nanodiamonds in vivo. <i>Proceedings of SPIE</i> , 2013, , .	0.8	33
16	Methods for Studying Programmed Cell Death in <i>C. elegans</i> . <i>Methods in Cell Biology</i> , 2012, 107, 295-320.	1.1	7
17	Integrin $\hat{\pm}$ 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.	3.5	29
18	<i>C. elegans</i> EIF-3.K Promotes Programmed Cell Death through CED-3 Caspase. <i>PLoS ONE</i> , 2012, 7, e36584.	2.5	7

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19	Fluorescent Nanodiamond â€“ A Novel Nanomaterial for<i>In Vivo</i>Applications. Materials Research Society Symposia Proceedings, 2011, 1362, 1.	0.1	8
20	Quantum-dot-embedded silica nanotubes as nanoprobe for simple and sensitive DNA detection. Nanotechnology, 2011, 22, 155102.	2.6	6
21	Engulfment of Apoptotic Cells in <i>C. elegans</i> Is Mediated by Integrin α /SRC Signaling. Current Biology, 2010, 20, 477-486.	3.9	82
22	In Vivo Imaging and Toxicity Assessments of Fluorescent Nanodiamonds in <i>Caenorhabditis elegans</i> . Nano Letters, 2010, 10, 3692-3699.	9.1	514
23	<i>Caenorhabditis elegans</i> TLK-1 controls cytokinesis by localizing AIR-2/Aurora B to midzone microtubules. Biochemical and Biophysical Research Communications, 2010, 400, 187-193.	2.1	4
24	Negative regulation of <i>Caenorhabditis elegans</i> epidermal damage responses by death-associated protein kinase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1457-1461.	7.1	70
25	Programmed Cell Death in <i>C. elegans</i> . , 2009, , 355-373.		1
26	Growth-dependent effect of muscleblind knockdown on <i>Caenorhabditis elegans</i> . Biochemical and Biophysical Research Communications, 2008, 366, 705-709.	2.1	12
27	eIF3k regulates apoptosis in epithelial cells by releasing caspase 3 from keratin-containing inclusions. Journal of Cell Science, 2008, 121, 2382-2393.	2.0	28
28	Length-dependent toxicity of untranslated CUG repeats on <i>Caenorhabditis elegans</i> . Biochemical and Biophysical Research Communications, 2007, 352, 774-779.	2.1	26
29	DNA ⁺ Gold Nanorod Conjugates for Remote Control of Localized Gene Expression by near Infrared Irradiation. Journal of the American Chemical Society, 2006, 128, 3709-3715.	13.7	411
30	Restriction of vaccinia virus replication by a ced-3 and ced-4-dependent pathway in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4174-4179.	7.1	34
31	Preparation of Fluorescent Silica Nanotubes and Their Application in Gene Delivery. Advanced Materials, 2005, 17, 404-407.	21.0	166
32	Phagocytosis of Apoptotic Cells Is Regulated by a UNC-73/TRIO-MIG-2/RhoG Signaling Module and Armadillo Repeats of CED-12/ELMO. Current Biology, 2004, 14, 2208-2216.	3.9	185
33	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/ . Chemical Communications, 2003, , 2920.	4.1	125
34	Cell Corpse Engulfment Mediated by <i>C. elegans</i> Phosphatidylserine Receptor Through CED-5 and CED-12. Science, 2003, 302, 1563-1566.	12.6	183
35	Programmed Cell Death in <i>C. elegans</i> . , 2003, , 135-144.		0
36	Distinct Rac Activation Pathways Control <i>Caenorhabditis elegans</i> Cell Migration and Axon Outgrowth. Developmental Biology, 2002, 250, 145-155.	2.0	63

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37	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.	13.7	280
38	<i>C. elegans</i> CED-12 Acts in the Conserved Crkl/DOCK180/Rac Pathway to Control Cell Migration and Cell Corpse Engulfment. <i>Developmental Cell</i> , 2001, 1, 491-502.	7.0	160
39	Analysis of Programmed Cell Death in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2000, 322, 76-88.	1.0	12
40	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.	5.9	146
41	<i>C. elegans</i> phagocytosis and cell-migration protein CED-5 is similar to human DOCK180. <i>Nature</i> , 1998, 392, 501-504.	27.8	346
42	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.	28.9	275