Devrim Gozuacik

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1311733/publications.pdf

Version: 2024-02-01

91 papers	15,383 citations	101384 36 h-index	58464 82 g-index
92 all docs	92 docs citations	92 times ranked	27896 citing authors

#	Article	IF	Citations
1	Tumor-derived CTF1 (cardiotrophin 1) is a critical mediator of stroma-assisted and autophagy-dependent breast cancer cell migration, invasion and metastasis. Autophagy, 2023, 19, 306-323.	4.3	12
2	Glutamate Scavenging as a Neuroreparative Strategy in Ischemic Stroke. Frontiers in Pharmacology, 2022, 13, 866738.	1.6	16
3	A novel ATG5 interaction with Ku70 potentiates DNA repair upon genotoxic stress. Scientific Reports, 2022, 12, 8134.	1.6	4
4	Crosstalk between autophagy and DNA repair systems. Turkish Journal of Biology, 2021, 45, 235-252.	2.1	3
5	Autophagy and Cancer Dormancy. Frontiers in Oncology, 2021, 11, 627023.	1.3	41
6	Transcriptional landscape of cellular networks reveal interactions driving the dormancy mechanisms in cancer. Scientific Reports, 2021, 11, 15806.	1.6	6
7	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502	4.3	1,430
8	Antitumor Efficacy of Ceranib-2 with Nano-Formulation of PEG and. Methods in Molecular Biology, 2021, 2207, 199-220.	0.4	1
9	Autophagy and Hepatic Tumor Microenvironment Associated Dormancy. Journal of Gastrointestinal Cancer, 2021, 52, 1277-1293.	0.6	8
10	Complex Pattern Formation in Solutions of Protein and Mixed Salts Using Dehydrating Sessile Droplets. Langmuir, 2020, 36, 9728-9737.	1.6	22
11	Autophagy as a Cellular Stress Response Mechanism in the Nervous System. Journal of Molecular Biology, 2020, 432, 2560-2588.	2.0	39
12	MicroRNAs as major regulators of the autophagy pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118662.	1.9	56
13	Treatment of breast cancer with autophagy inhibitory microRNAs carried by AGO2-conjugated nanoparticles. Journal of Nanobiotechnology, 2020, 18, 65.	4.2	30
14	Magnetofection of Green Fluorescent Protein Encoding DNA-Bearing Polyethyleneimine-Coated Superparamagnetic Iron Oxide Nanoparticles to Human Breast Cancer Cells. ACS Omega, 2019, 4, 12366-12374.	1.6	31
15	Inertial focusing of cancer cell lines in curvilinear microchannels. Micro and Nano Engineering, 2019, 2, 53-63.	1.4	28
16	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	4.3	0
17	Autophagy as a molecular target for cancer treatment. European Journal of Pharmaceutical Sciences, 2019, 134, 116-137.	1.9	249
18	Nanoparticle based induction heating at low magnitudes of magnetic field strengths for breast cancer therapy. Journal of Magnetism and Magnetic Materials, 2019, 483, 169-177.	1.0	17

#	Article	IF	Citations
19	Bypassing pro-survival and resistance mechanisms of autophagy in EGFR-positive lung cancer cells by targeted delivery of 5FU using theranostic Ag₂S quantum dots. Journal of Materials Chemistry B, 2019, 7, 7363-7376.	2.9	28
20	Minor cereals exhibit superior antioxidant effects on human epithelial cells compared to common wheat cultivars. Journal of Cereal Science, 2019, 85, 143-152.	1.8	8
21	Impairment of lipophagy by PNPLA1 mutations causes lipid droplet accumulation in primary fibroblasts of Autosomal Recessive Congenital Ichthyosis patients. Journal of Dermatological Science, 2019, 93, 50-57.	1.0	7
22	MITF-MIR211 axis is a novel autophagy amplifier system during cellular stress. Autophagy, 2019, 15, 375-390.	4.3	37
23	Autophagy as a Physiological Response of the Body to Starvation. , 2019, , 2067-2081.		0
24	Characterization and pressure drop correlation for sprays under the effect of micro scale cavitation. Experimental Thermal and Fluid Science, 2018, 91, 89-102.	1.5	10
25	Development of tailored SPION-PNIPAM nanoparticles by ATRP for dually responsive doxorubicin delivery and MR imaging. Journal of Materials Chemistry B, 2018, 6, 289-300.	2.9	50
26	Autophagy and liver cancer. Turkish Journal of Gastroenterology, 2018, 29, 270-282.	0.4	38
27	Crosstalk Between Mammalian Autophagy and the Ubiquitin-Proteasome System. Frontiers in Cell and Developmental Biology, 2018, 6, 128.	1.8	294
28	Amoxicillin Loaded Hollow Microparticles in the Treatment of Osteomyelitis Disease Using Single-Nozzle Electrospinning. BioNanoScience, 2018, 8, 790-801.	1.5	6
29	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. Autophagy, 2018, 14, 925-929.	4.3	3
30	The in vitro effects of a novel estradiol analog on cell proliferation and morphology in human epithelial cervical carcinoma. Cellular and Molecular Biology Letters, 2018, 23, 10.	2.7	9
31	The Crosstalk Between miRNAs and Autophagy in Cancer Progression. , 2018, , 279-291.		0
32	Microfabricated platforms to quantitatively investigate cellular behavior under the influence of chemical gradients. Biomedical Physics and Engineering Express, 2017, 3, 035023.	0.6	1
33	Cloning of Autophagy-Related MicroRNAs. Methods in Molecular Biology, 2017, 1854, 131-146.	0.4	2
34	Autophagy as a Physiological Response of the Body to Starvation. , 2017, , 1-15.		2
35	Study of Protein-protein Interactions in Autophagy Research. Journal of Visualized Experiments, 2017, , .	0.2	1
36	The effect of asymmetry on micromixing in curvilinear microchannels. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	17

#	Article	IF	Citations
37	A microfluidic chip for screening individual cancer cells via eavesdropping on autophagy-inducing crosstalk in the stroma niche. Scientific Reports, 2017, 7, 2050.	1.6	27
38	Lipid Droplets in Health and Disease. Lipids in Health and Disease, 2017, 16, 128.	1.2	195
39	Surface modifications for phase change cooling applications via crenarchaeon Sulfolobus solfataricus P2 bio-coatings. Scientific Reports, 2017, 7, 17891.	1.6	17
40	Autophagy-Regulating microRNAs and Cancer. Frontiers in Oncology, 2017, 7, 65.	1.3	144
41	Involvement of autophagy in T cell biology. Histology and Histopathology, 2017, 32, 11-20.	0.5	11
42	RACK1 Is an Interaction Partner of ATG5 and a Novel Regulator of Autophagy. Journal of Biological Chemistry, 2016, 291, 16753-16765.	1.6	48
43	Inertial Focusing of Microparticles in Curvilinear Microchannels. Scientific Reports, 2016, 6, 38809.	1.6	42
44	Visualization of microscale cavitating flow regimes via particle shadow sizing imaging and vision based estimation of the cone angle. Experimental Thermal and Fluid Science, 2016, 78, 322-333.	1.5	22
45	Review on Lithotripsy and Cavitation in Urinary Stone Therapy. IEEE Reviews in Biomedical Engineering, 2016, 9, 264-283.	13.1	19
46	Cavitating nozzle flows in micro- and minichannels under the effect of turbulence. Journal of Mechanical Science and Technology, 2016, 30, 2565-2581.	0.7	21
47	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
48	IBMPFD Disease-Causing Mutant VCP/p97 Proteins Are Targets of Autophagic-Lysosomal Degradation. PLoS ONE, 2016, 11, e0164864.	1.1	31
49	Physiological and pathological significance of the molecular cross-talk between autophagy and apoptosis. Histology and Histopathology, 2016, 31, 479-98.	0.5	55
50	MIR376 family and cancer. Histology and Histopathology, 2016, 31, 841-55.	0.5	12
51	Assessment of Probe-to-Specimen Distance Effect in Kidney Stone Treatment With Hydrodynamic Cavitation. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.4	3
52	Regulation of Autophagy by microRNAs. , 2015, , 81-101.		1
53	Effect of Varying Magnetic Fields on Targeted Gene Delivery of Nucleic Acid-Based Molecules. Annals of Biomedical Engineering, 2015, 43, 2816-2826.	1.3	16
54	Highly luminescent and cytocompatible cationic Ag₂S NIR-emitting quantum dots for optical imaging and gene transfection. Nanoscale, 2015, 7, 11352-11362.	2.8	59

#	Article	IF	Citations
55	Regulation of Autophagy in Health and Disease. Current Topics in Neurotoxicity, 2015, , 1-24.	0.4	1
56	3D bioprinting of biomimetic aortic vascular constructs with selfâ€supporting cells. Biotechnology and Bioengineering, 2015, 112, 811-821.	1.7	136
57	Modeling of ferrofluid magnetic actuation with dynamic magnetic fields in small channels. Microfluidics and Nanofluidics, 2015, 18, 447-460.	1.0	23
58	Autophagy and cancer. Turkish Journal of Biology, 2014, 38, 720-739.	2.1	12
59	Experimental Study on Convective Heat Transfer Performance of Iron Oxide Based Ferrofluids in Microtubes. Journal of Thermal Science and Engineering Applications, 2014, 6, .	0.8	10
60	Induction of Autophagic Cell Death by Anticancer Agents. , 2014, , 179-202.		5
61	Power reclamation efficiency of a miniature energy-harvesting device using external fluid flows. International Journal of Energy Research, 2014, 38, 1318-1330.	2.2	5
62	Anticancer Use of Nanoparticles as Nucleic Acid Carriers. Journal of Biomedical Nanotechnology, 2014, 10, 1751-1783.	0.5	20
63	Hydrodynamic cavitation kills prostate cells and ablates benign prostatic hyperplasia tissue. Experimental Biology and Medicine, 2013, 238, 1242-1250.	1.1	16
64	Heat Transfer Enhancement With Iron Oxide Nanoparticle Based Ferrofluids. , 2013, , .		0
65	3D Hybrid Bioprinting of Macrovascular Structures. Procedia Engineering, 2013, 59, 183-192.	1.2	36
66	MIR181Aregulates starvation- and rapamycin-induced autophagy through targeting ofATG5. Autophagy, 2013, 9, 374-385.	4.3	154
67	A unique IBMPFD-related P97/VCP mutation with differential binding pattern and subcellular localization. International Journal of Biochemistry and Cell Biology, 2013, 45, 773-782.	1.2	37
68	Alteration in Autophagic-lysosomal Potential During Aging and Neurological Diseases: The microRNA Perspective. Current Pathobiology Reports, 2013, 1, 247-261.	1.6	5
69	MIR376A Is a Regulator of Starvation-Induced Autophagy. PLoS ONE, 2013, 8, e82556.	1.1	45
70	Power Reclamation Efficiency of a Miniature Energy Harvesting Device Using Internal Fluid Flows. , 2012, , .		0
71	Kidney Stone Erosion by Micro Scale Hydrodynamic Cavitation and Consequent Kidney Stone Treatment. Annals of Biomedical Engineering, 2012, 40, 1895-1902.	1.3	22
72	miR-376b controls starvation and mTOR inhibition-related autophagy by targeting ATG4C and BECN1. Autophagy, 2012, 8, 165-176.	4.3	229

#	Article	IF	Citations
73	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
74	Autophagy-related gene, TdAtg8, in wild emmer wheat plays a role in drought and osmotic stress response. Planta, 2012, 236, 1081-1092.	1.6	85
75	Cleavage of Atg3 protein by caspase-8 regulates autophagy during receptor-activated cell death. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 810-820.	2.2	142
76	Bubbly Cavitating Flow Generation and Investigation of Its Erosional Nature for Biomedical Applications. IEEE Transactions on Biomedical Engineering, 2011, 58, 1337-1346.	2.5	18
77	Techniques to Study Autophagy in Plants. International Journal of Plant Genomics, 2009, 2009, 1-14.	2.2	34
78	Novel parameter estimation schemes in microsystems. , 2009, , .		6
79	DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. Cell Death and Differentiation, 2008, 15, 1875-1886.	5.0	222
80	Autophagy and Cell Death. Current Topics in Developmental Biology, 2007, 78, 217-245.	1.0	373
81	DAPk Protein Family and Cancer. Autophagy, 2006, 2, 74-79.	4.3	186
82	The dependence receptor UNC5H2 mediates apoptosis through DAP-kinase. EMBO Journal, 2005, 24, 1192-1201.	3.5	144
83	Death-Associated Protein Kinase Phosphorylates ZIP Kinase, Forming a Unique Kinase Hierarchy To Activate Its Cell Death Functions. Molecular and Cellular Biology, 2004, 24, 8611-8626.	1.1	103
84	Autophagy as a cell death and tumor suppressor mechanism. Oncogene, 2004, 23, 2891-2906.	2.6	1,306
85	Hepatitis B virus-related insertional mutagenesis occurs frequently in human liver cancers and recurrently targets human telomerase gene. Oncogene, 2003, 22, 3911-3916.	2.6	289
86	Identification and functional characterization of a new member of the human Mcm protein family: hMcm8. Nucleic Acids Research, 2003, 31, 570-579.	6.5	86
87	Identification of human cancer-related genes by naturally occurring Hepatitis B Virus DNA tagging. Oncogene, 2001, 20, 6233-6240.	2.6	105
88	Serca1 Truncated Proteins Unable to Pump Calcium Reduce the Endoplasmic Reticulum Calcium Concentration and Induce Apoptosis. Journal of Cell Biology, 2001, 153, 1301-1314.	2.3	87
89	Hepatitis B virus-related insertional mutagenesis implicates SERCA1 gene in the control of apoptosis. Oncogene, 2000, 19, 2877-2886.	2.6	77
90	Molecular bases for the development of hepatitis B virus (HBV)-related hepatocellular carcinoma (HCC). Seminars in Cancer Biology, 2000, 10, 211-231.	4.3	259

#	Article	IF	Citations
91	Calcium ATPases Genes and Cell Transformation. , 2000, , 505-519.		0