

Mehmet Ilyas Cosacak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	428 citations	11 h-index	20 g-index
28 ext. papers	696 ext. citations	6.7 avg, IF	3.65 L-index

#	Paper	IF	Citations
25	Single Cell/Nucleus Transcriptomics Comparison in Zebrafish and Humans Reveals Common and Distinct Molecular Responses to Alzheimer's Disease. <i>Cells</i> , 2022 , 11, 1807	7.9	0
24	Diversity and function of motile ciliated cell types within ependymal lineages of the zebrafish brain. <i>Cell Reports</i> , 2021 , 37, 109775	10.6	9
23	KYNA/Ahr Signaling Suppresses Neural Stem Cell Plasticity and Neurogenesis in Adult Zebrafish Model of Alzheimer's Disease. <i>Cells</i> , 2021 , 10,	7.9	2
22	Protocol for Dissection and Dissociation of Zebrafish Telencephalon for Single-Cell Sequencing. <i>STAR Protocols</i> , 2020 , 1, 100042	1.4	0
21	Type 1 Interleukin-4 Signaling Obliterates Mouse Astroglia but Not. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 114	5.7	8
20	Alzheimer's disease, neural stem cells and neurogenesis: cellular phase at single-cell level. <i>Neural Regeneration Research</i> , 2020 , 15, 824-827	4.5	18
19	Neuron-glia interaction through Serotonin-BDNF-NGFR axis enables regenerative neurogenesis in Alzheimer's model of adult zebrafish brain. <i>PLoS Biology</i> , 2020 , 18, e3000585	9.7	32
18	Functional properties of habenular neurons are determined by developmental stage and sequential neurogenesis. <i>Science Advances</i> , 2020 , 6,	14.3	6
17	Glia-neuron interactions underlie state transitions to generalized seizures. <i>Nature Communications</i> , 2019 , 10, 3830	17.4	52
16	Single-Cell Transcriptomics Analyses of Neural Stem Cell Heterogeneity and Contextual Plasticity in a Zebrafish Brain Model of Amyloid Toxicity. <i>Cell Reports</i> , 2019 , 27, 1307-1318.e3	10.6	42
15	GATA3 Promotes the Neural Progenitor State but Not Neurogenesis in 3D Traumatic Injury Model of Primary Human Cortical Astrocytes. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 23	6.1	14
14	Re-Arrangements in the Cytoplasmic Distribution of Small RNAs Following the Maternal-to-Zygotic Transition in Drosophila Embryos. <i>Genes</i> , 2018 , 9,	4.2	3
13	Small RNA data set that includes tRNA-derived fragments from Jurkat cells treated with camptothecin. <i>Data in Brief</i> , 2018 , 17, 397-400	1.2	1
12	Deep sequencing reveals two Jurkat subpopulations with distinct miRNA profiles during camptothecin-induced apoptosis. <i>Turkish Journal of Biology</i> , 2018 , 42, 113-122	3.1	3
11	3D Culture Method for Alzheimer's Disease Modeling Reveals Interleukin-4 Rescues A β 2-Induced Loss of Human Neural Stem Cell Plasticity. <i>Developmental Cell</i> , 2018 , 46, 85-101.e8	10.2	69
10	Modeling Amyloid- β 2 Toxicity and Neurodegeneration in Adult Zebrafish Brain. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	28
9	Human TAU overexpression results in TAU hyperphosphorylation without neurofibrillary tangles in adult zebrafish brain. <i>Scientific Reports</i> , 2017 , 7, 12959	4.9	18

8	Expressed tRNA-Derived Small RNAs Co-Sediment Primarily with Non-Polysomal Fractions in <i>Drosophila</i> . <i>Genes</i> , 2017 , 8,	4.2	11
7	IL4/STAT6 Signaling Activates Neural Stem Cell Proliferation and Neurogenesis upon Amyloid- β 2 Aggregation in Adult Zebrafish Brain. <i>Cell Reports</i> , 2016 , 17, 941-948	10.6	77
6	Regeneration, Plasticity, and Induced Molecular Programs in Adult Zebrafish Brain. <i>BioMed Research International</i> , 2015 , 2015, 769763	3	23
5	Single cell analyses of the effects of Amyloid-beta42 and Interleukin-4 on neural stem/progenitor cell plasticity in adult zebrafish brain		1
4	Instructive starPEG-Heparin biohybrid 3D cultures for modeling human neural stem cell plasticity, neurogenesis, and neurodegeneration		5
3	Interleukin-4 restores neurogenic plasticity of the primary human neural stem cells through suppression of Kynurenic acid production upon Amyloid-beta42 toxicity		1
2	Functional properties of habenular neurons are determined by developmental stage and sequential neurogenesis		
1	Neuron-glia interaction through Serotonin-BDNF-NGFR axis enables regenerative neurogenesis in Alzheimer's model of adult zebrafish brain		1