

# Ajay Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

540  
citations

686830

13  
h-index

676716

22  
g-index

30  
all docs

30  
docs citations

30  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secretome Cues Modulate the Neurogenic Potential of Bone Marrow and Dental Stem Cells. <i>Molecular Neurobiology</i> , 2017, 54, 4672-4682.	1.9	57
2	Molecular spectrum of secretome regulates the relative hepatogenic potential of mesenchymal stem cells from bone marrow and dental tissue. <i>Scientific Reports</i> , 2017, 7, 15015.	1.6	49
3	Regenerative therapy for the Cornea. <i>Progress in Retinal and Eye Research</i> , 2022, 87, 101011.	7.3	47
4	Secretome proteins regulate comparative osteogenic and adipogenic potential in bone marrow and dental stem cells. <i>Biochimie</i> , 2018, 155, 129-139.	1.3	41
5	Effect of uncontrolled freezing on biological characteristics of human dental pulp stem cells. <i>Cell and Tissue Banking</i> , 2015, 16, 513-522.	0.5	40
6	Human stem cells home to and repair laser-damaged trabecular meshwork in a mouse model. <i>Communications Biology</i> , 2018, 1, 216.	2.0	38
7	Epithelial to mesenchymal transition induces stem cell like phenotype in renal cell carcinoma cells. <i>Cancer Cell International</i> , 2018, 18, 57.	1.8	34
8	Insights into cell-free therapeutic approach: Role of stem cell secretome. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 104-118.	1.4	24
9	Stem cell transplantation rescued a primary open-angle glaucoma mouse model. <i>ELife</i> , 2021, 10, .	2.8	23
10	$\alpha 5 \beta 1$ Integrin Promotes Anchoring and Integration of Transplanted Stem Cells to the Trabecular Meshwork in the Eye for Regeneration. <i>Stem Cells and Development</i> , 2020, 29, 290-300.	1.1	20
11	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
12	The voyage of stem cell toward terminal differentiation: a brief overview. <i>Acta Biochimica Et Biophysica Sinica</i> , 2012, 44, 463-475.	0.9	16
13	Stemness and Regenerative Potential of Corneal Stromal Stem Cells and Their Secretome After Long-Term Storage: Implications for Ocular Regeneration. , 2018, 59, 3728.		16
14	Fidelity of long-term cryopreserved adipose-derived stem cells for differentiation into cells of ocular and other lineages. <i>Experimental Eye Research</i> , 2019, 189, 107860.	1.2	16
15	Selenium Incorporated Cationic Organochalcogen: Live Cell Compatible and Highly Photostable Molecular Stain for Imaging and Localization of Intracellular DNA. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 10690-10699.	4.0	15
16	Emergence through delicate balance between the steric factor and molecular orientation: a highly bright and photostable DNA marker for real-time monitoring of cell growth dynamics. <i>Chemical Communications</i> , 2017, 53, 2571-2574.	2.2	14
17	Stem Cells from Human Trabecular Meshwork Hold the Potential to Develop into Ocular and Non-Ocular Lineages After Long-Term Storage. <i>Stem Cells and Development</i> , 2020, 29, 49-61.	1.1	13
18	Two-step induction of trabecular meshwork cells from induced pluripotent stem cells for glaucoma. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 411-417.	1.0	13

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19	Cell-Based Therapies for Trabecular Meshwork Regeneration to Treat Glaucoma. <i>Biomolecules</i> , 2021, 11, 1258.	1.8	10
20	Assessment of Post-thaw Quality of Dental Mesenchymal Stromal Cells After Long-Term Cryopreservation by Uncontrolled Freezing. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 728-743.	1.4	9
21	Cathepsin B, H and L inhibitors as cell proliferating agents: design, synthesis, computational and pharmacological studies of some novel 2-(2-naphthoyl)-6,6-dimethyl-3-aryl-2,3,6,7-tetrahydrobenzofuran-4(5H)-ones. <i>RSC Advances</i> , 2016, 6, 34588-34599.	1.7	7
22	Quinazoline derivatives as cathepsins B, H and L inhibitors and cell proliferating agents. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 719-727.	3.6	6
23	Biomolecular recognition at the cellular level: geometrical and chemical functionality dependence of a low phototoxic cationic probe for DNA imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4895-4900.	2.9	3
24	Dental pulp stem cell secretome ameliorates $\alpha$ -galactose induced accelerated aging in rat model. <i>Cell Biochemistry and Function</i> , 2022, 40, 535-545.	1.4	2
25	Induced pluripotent stem cells for modeling open-angle glaucoma. , 2022, , 85-104.		0