Massoud

List of Publications by Year
in descending order

100 papers	2,499 citations	218381 26 h-index	243296 44 g-index
102 all docs	102 docs citations	102 times ranked	3284 citing authors

#	Article	IF	Citations
1	Personalized Cancer Medicine: An Organoid Approach. Trends in Biotechnology, 2018, 36, 358-371.	4.9	185
2	Mesenchymal stem cells derived from perinatal tissues for treatment of critically ill COVID-19-induced ARDS patients: a case series. Stem Cell Research and Therapy, 2021, 12, 91.	2.4	141
3	Antimicrobial Ionic Liquidâ€Based Materials for Biomedical Applications. Advanced Functional Materials, 2021, 31, 2104148.	7.8	116
4	Generation of Functional Hepatocyte-Like Cells from Human Pluripotent Stem Cells in a Scalable Suspension Culture. Stem Cells and Development, 2013, 22, 2693-2705.	1.1	107
5	Clinical Hepatocyte Transplantation: Practical Limits and Possible Solutions. European Surgical Research, 2015, 54, 162-177.	0.6	94
6	Threeâ€dimensional liverâ€derived extracellular matrix hydrogel promotes liver organoids function. Journal of Cellular Biochemistry, 2018, 119, 4320-4333.	1.2	90
7	Extracellular vesicles derived from human embryonic stem cellâ€MSCs ameliorate cirrhosis in thioacetamideâ€induced chronic liver injury. Journal of Cellular Physiology, 2018, 233, 9330-9344.	2.0	90
8	Tissue Engineering in Liver Regenerative Medicine: Insights into Novel Translational Technologies. Cells, 2020, 9, 304.	1.8	62
9	Sensing the scent of death: Modulation of microRNAs by Curcumin in gastrointestinal cancers. Pharmacological Research, 2020, 160, 105199.	3.1	61
10	Circular RNAs: New Epigenetic Signatures in Viral Infections. Frontiers in Microbiology, 2020, 11, 1853.	1.5	61
11	Stem cell therapy in Alzheimerâ€™s disease: possible benefits and limiting drawbacks. Molecular Biology Reports, 2019, 46, 1425-1446.	1.0	51
12	Autophagy-related microRNAs: Possible regulatory roles and therapeutic potential in and gastrointestinal cancers. Pharmacological Research, 2020, 161, 105133.	3.1	49
13	Towards improved hepatocyte cultures: Progress and limitations. Food and Chemical Toxicology, 2020, 138, 111188.	1.8	49
14	Smart and Biomimetic 3D and 4D Printed Composite Hydrogels: Opportunities for Different Biomedical Applications. Biomedicines, 2021, 9, 1537.	1.4	49
15	Guide to the Assessment of Mature Liver Gene Expression in Stem Cell-Derived Hepatocytes. Stem Cells and Development, 2019, 28, 907-919.	1.1	46
16	Oxygen releasing materials: Towards addressing the hypoxia-related issues in tissue engineering. Materials Science and Engineering C, 2021, 122, 111896.	3.8	46
17	Novel therapeutic approaches for treatment of COVID-19. Journal of Molecular Medicine, 2020, 98, 789-803.	1.7	42
18	Efficient and cost-effective generation of hepatocyte-like cells through microparticle-mediated delivery of growth factors in a 3D culture of human pluripotent stem cells. Biomaterials, 2018, 159, 174-188.	5.7	41

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19	Doxorubicin-loaded graphene oxide nanocomposites in cancer medicine: stimuli-responsive carriers, co-delivery and suppressing resistance. Expert Opinion on Drug Delivery, 2022, 19, 355-382.	2.4	41
20	Autophagy and gastrointestinal cancers: the behind the scenes role of long non-coding RNAs in initiation, progression, and treatment resistance. Cancer Gene Therapy, 2021, 28, 1229-1255.	2.2	40
21	Cell-based therapeutics for liver disorders. British Medical Bulletin, 2011, 100, 157-172.	2.7	39
22	Rapid and Sensitive Assessment of Human Hepatocyte Functions. Cell Transplantation, 2014, 23, 1545-1556.	1.2	39
23	Engineering a Model to Study Viral Infections: Bioprinting, Microfluidics, and Organoids to Defeat Coronavirus Disease 2019 (COVID-19). International Journal of Bioprinting, 2020, 6, 302.	1.7	38
24	Intraportal Infusion of Bone Marrow Mononuclear or CD133+ Cells in Patients With Decompensated Cirrhosis: A Double-Blind Randomized Controlled Trial. Stem Cells Translational Medicine, 2016, 5, 87-94.	1.6	36
25	pH-Responsive Chitosan-Adorned Niosome Nanocarriers for Co-Delivery of Drugs for Breast Cancer Therapy. ACS Applied Nano Materials, 2022, 5, 8811-8825.	2.4	36
26	Organoids: a novel modality in disease modeling. Bio-Design and Manufacturing, 2021, 4, 689-716.	3.9	33
27	Critical signaling pathways governing hepatocellular carcinoma behavior; small molecule-based approaches. Cancer Cell International, 2021, 21, 208.	1.8	32
28	The Use of Induced Pluripotent Stem Cells for the Study and Treatment of Liver Diseases. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2016, 67, 14.13.1-14.13.27.	1.1	29
29	3D modeling in cancer studies. Human Cell, 2022, 35, 23-36.	1.2	29
30	Cross-talk between immune system and microbiota in COVID-19. Expert Review of Gastroenterology and Hepatology, 2021, 15, 1281-1294.	1.4	26
31	Fibrin-based Bioinks: New Tricks from an Old Dog. International Journal of Bioprinting, 2020, 6, 269.	1.7	25
32	Epigenetic Modifications of the Liver Tumor Cell Line HepG2 Increase Their Drug Metabolic Capacity. International Journal of Molecular Sciences, 2019, 20, 347.	1.8	23
33	Therapeutic modalities and novel approaches in regenerative medicine for COVID-19. International Journal of Antimicrobial Agents, 2020, 56, 106208.	1.1	22
34	Novel molecular targets in gastric adenocarcinoma. , 2021, 220, 107714.		22
35	An update to â€œnovel therapeutic approaches for treatment of COVID-19â€• Journal of Molecular Medicine, 2021, 99, 303-310.	1.7	22
36	Evolution of organoid technology: Lessons learnt in Co-Culture systems from developmental biology. Developmental Biology, 2021, 475, 37-53.	0.9	22

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37	Developing a Cost-Effective and Scalable Production of Human Hepatic Competent Endoderm from Size-Controlled Pluripotent Stem Cell Aggregates. Stem Cells and Development, 2018, 27, 262-274.	1.1	20
38	The role of non-coding RNAs in chemotherapy for gastrointestinal cancers. Molecular Therapy - Nucleic Acids, 2021, 26, 892-926.	2.3	20
39	The Optimized Formulation of Tamoxifen-Loaded Niosomes Efficiently Induced Apoptosis and Cell Cycle Arrest in Breast Cancer Cells. AAPS PharmSciTech, 2022, 23, 57.	1.5	20
40	cis pT231-Tau Drives Neurodegeneration in Bipolar Disorder. ACS Chemical Neuroscience, 2019, 10, 1214-1221.	1.7	19
41	Differentiation of human embryonic stem cells to hepatocyte-like cells on a new developed xeno-free extracellular matrix. Histochemistry and Cell Biology, 2014, 142, 217-226.	0.8	18
42	A Possible Neurodegeneration Mechanism Triggered by Diabetes. Trends in Endocrinology and Metabolism, 2019, 30, 692-700.	3.1	18
43	Î²-radiating radionuclides in cancer treatment, novel insight into promising approach. Pharmacological Research, 2020, 160, 105070.	3.1	18
44	Novel cell-based therapies in inflammatory bowel diseases: the established concept, promising results. Human Cell, 2021, 34, 1289-1300.	1.2	18
45	Clinical and imaging outcomes after intrathecal injection of umbilical cord tissue mesenchymal stem cells in cerebral palsy: a randomized double-blind sham-controlled clinical trial. Stem Cell Research and Therapy, 2021, 12, 439.	2.4	18
46	3D or not 3D: a guide to assess cell viability in 3D cell systems. Soft Matter, 2022, 18, 2222-2233.	1.2	18
47	Repeated Intraportal Injection of Mesenchymal Stem Cells in Combination with Pioglitazone in Patients with Compensated Cirrhosis: A Clinical Report of Two Cases. Archives of Iranian Medicine, 2016, 19, 131-6.	0.2	18
48	Outbreak of chronic renal failure: will this be a delayed heritage of COVID-19?. Journal of Nephrology, 2021, 34, 3-5.	0.9	17
49	Organoid and microfluidics-based platforms for drug screening in COVID-19. Drug Discovery Today, 2022, 27, 1062-1076.	3.2	17
50	Generated Hepatocyte-Like Cells: A Novel Tool in Regenerative Medicine and Drug Discovery. Cell Journal, 2017, 19, 204-217.	0.2	16
51	Gene Editing Correction of a Urea Cycle Defect in Organoid Stem Cell Derived Hepatocyte-like Cells. International Journal of Molecular Sciences, 2021, 22, 1217.	1.8	15
52	Advanced therapeutic modalities in hepatocellular carcinoma: Novel insights. Journal of Cellular and Molecular Medicine, 2021, 25, 8602-8614.	1.6	15
53	Rhenium Perrhenate (188ReO4) Induced Apoptosis and Reduced Cancerous Phenotype in Liver Cancer Cells. Cells, 2022, 11, 305.	1.8	15
54	Novel insights in CAR-NK cells beyond CAR-T cell technology; promising advantages. International Immunopharmacology, 2022, 106, 108587.	1.7	15

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55	Tissue-Specific Microparticles Improve Organoid Microenvironment for Efficient Maturation of Pluripotent Stem-Cell-Derived Hepatocytes. Cells, 2021, 10, 1274.	1.8	14
56	Organoids in modelling infectious diseases. Drug Discovery Today, 2022, 27, 223-233.	3.2	14
57	Generation of Transplantable Three-Dimensional Hepatic-Patch to Improve the Functionality of Hepatic Cells In Vitro and In Vivo. Stem Cells and Development, 2020, 29, 301-313.	1.1	12
58	Virus, Exosome, and MicroRNA: New Insights into Autophagy. Advances in Experimental Medicine and Biology, 2022, , .	0.8	12
59	Mini review ATF4 and GRP78 as novel molecular targets in ER-Stress modulation for critical COVID-19 patients. Molecular Biology Reports, 2022, 49, 1545-1549.	1.0	10
60	Applying hydrodynamic pressure to efficiently generate induced pluripotent stem cells via reprogramming of centenarian skin fibroblasts. PLoS ONE, 2019, 14, e0215490.	1.1	9
61	Generation of Scalable Hepatic Micro-Tissues as a Platform for Toxicological Studies. Tissue Engineering and Regenerative Medicine, 2020, 17, 459-475.	1.6	9
62	Engineering biomimetic intestinal topological features in 3D tissue models: retrospects and prospects. Bio-Design and Manufacturing, 2021, 4, 568-595.	3.9	9
63	Is There any Alternative Receptor for SARS-CoV-2?. Cell Journal, 2021, 23, 247-250.	0.2	9
64	COVID-19 Vaccination Willingness and Acceptability in Multiple Sclerosis Patients: A Cross Sectional Study in Iran. Vaccines, 2022, 10, 135.	2.1	9
65	Mimicking the liver function in micro-patterned units: Challenges and perspectives in 3D bioprinting. Bioprinting, 2022, 27, e00208.	2.9	9
66	Improved Differentiation of hESC-Derived Pancreatic Progenitors by Using Human Fetal Pancreatic Mesenchymal Cells in a Microâ€scalable Three-Dimensional Co-culture System. Stem Cell Reviews and Reports, 2022, 18, 360-377.	1.7	8
67	IBD Patients Could Be Silent Carriers for Novel Coronavirus and Less Prone to its Severe Adverse Events: True or False?. Cell Journal, 2020, 22, 151-154.	0.2	8
68	PSC associated inflammatory bowel disease: a distinct entity. Expert Review of Gastroenterology and Hepatology, 2022, 16, 129-139.	1.4	7
69	The safety and efficacy of umbilical cord blood mononuclear cells in individuals with spastic cerebral palsy: a randomized double-blind sham-controlled clinical trial. BMC Neurology, 2022, 22, 123.	0.8	7
70	Single vs. double intracoronary injection of mesenchymal stromal cell after acute myocardial infarction: the study protocol from a randomized clinical trial: BOOSTER-TAHA7 trial. Trials, 2022, 23, 293.	0.7	7
71	Novel antigens for targeted radioimmunotherapy in hepatocellular carcinoma. Molecular and Cellular Biochemistry, 2023, 478, 23-37.	1.4	7
72	Conditioned Media Derived from Human Adipose Tissue Mesenchymal Stromal Cells Improves Primary Hepatocyte Maintenance. Cell Journal, 2018, 20, 377-387.	0.2	6

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73	Application of Stem Cell-Derived Extracellular Vesicles as an Innovative Theranostics in Microbial Diseases. Frontiers in Microbiology, 2021, 12, 785856.	1.5	6
74	Biofabrication of size-controlled liver microtissues incorporated with ECM-derived microparticles to prolong hepatocyte function. Bio-Design and Manufacturing, 2021, 4, 790-805.	3.9	5
75	In vitro modeling of liver fibrosis in 3D microtissues using scalable micropatterning system. Archives of Toxicology, 2022, 96, 1799-1813.	1.9	5
76	Dynamic Changes of Mitochondrial DNA Copy Number in Gastrointestinal Tract Cancers: A Systematic Review and Meta-Analysis. Cancer Investigation, 2021, 39, 1-20.	0.6	4
77	Approach to tune drug release in particles fabricated from methacrylate functionalized polylactides. Molecular Systems Design and Engineering, 2021, 6, 202-213.	1.7	4
78	Autologous Bone Marrow Stem Cell Transplantation in Liver Cirrhosis after Correcting Nutritional Anomalies, A Controlled Clinical Study. Cell Journal, 2019, 21, 268-273.	0.2	4
79	Possible Male Reproduction Complications after Coronavirus Pandemic. Cell Journal, 2021, 23, 382-388.	0.2	4
80	Hepatic stellate cell activation by TGFÎ² induces hedgehog signaling and endoplasmic reticulum stress simultaneously. Toxicology in Vitro, 2022, 80, 105315.	1.1	4
81	Natural Scaffolds Used for Liver Regeneration: A Narrative Update. Stem Cell Reviews and Reports, 2022, 18, 2262-2278.	1.7	4
82	Athletesâ€™ Mesenchymal Stem Cells Could Be the Best Choice for Cell Therapy in Omicron-Infected Patients. Cells, 2022, 11, 1926.	1.8	4
83	Prenatal liver stromal cells: Favorable feeder cells for longâ€term culture of hepatic progenitor cells. Journal of Cellular Biochemistry, 2019, 120, 16624-16633.	1.2	3
84	New Platforms For Drug Screening And Toxicology: Necessity Or Need?. Modern Medical Laboratory Journal, 2018, 2, 107-109.	0.2	3
85	A Quick update from the Past to Current Status of Human Pluripotent Stem Cell-derived Hepatocyte culture systems. Modern Medical Laboratory Journal, 2018, 2, 110-112.	0.2	3
86	Antimicrobial Ionic Liquidâ€Based Materials for Biomedical Applications (Adv. Funct. Mater. 42/2021). Advanced Functional Materials, 2021, 31, 2170312.	7.8	3
87	Extraembryonic Mesenchymal Stromal/Stem Cells in Liver Diseases: A Critical Revision of Promising Advanced Therapy Medicinal Products. Cells, 2022, 11, 1074.	1.8	3
88	COVID-19 and hygiene hypothesis: increment of the inflammatory bowel diseases in next generation?. Expert Review of Gastroenterology and Hepatology, 2022, 16, 1-3.	1.4	3
89	Stem cell therapy for vocal fold regeneration after scarring: a review of experimental approaches. Stem Cell Research and Therapy, 2022, 13, 176.	2.4	3
90	Modeling Hepatotropic Viral Infections: Cells vs. Animals. Cells, 2021, 10, 1726.	1.8	2

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91	The nano-based theranostics for respiratory complications of COVID-19. Drug Development and Industrial Pharmacy, 2021, 47, 1353-1361.	0.9	2
92	Mesenchymal Stromal Cell Therapy Improves Refractory Perianal Fistula in Crohn's Disease: Case Series Clinical Interventional Study.. Cell Journal, 2022, 24, 62-68.	0.2	2
93	Regulatory Non-Coding RNAs in Familial Hypercholesterolemia, Theranostic Applications. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
94	Gene editing technology for improving life quality: A dream coming true?. Clinical Genetics, 2021, 99, 67-83.	1.0	1
95	Stem Cell-based and Advanced Therapeutic Modalities for Parkinsonâ€™s Disease: A Risk-effectiveness Patient-centered Analysis. Current Neuropharmacology, 2022, 20, 2320-2345.	1.4	1
96	Research Performance in Stem Cell Science and Regenerative Medicine in Iran: A National Comprehensive Observation. Archives of Iranian Medicine, 2019, 22, 318-327.	0.2	1
97	Safety and Efficacy of Allogeneic Adipose Tissue Mesenchymal Stromal Cells in Amyotrophic Lateral Sclerosis Patients, Single-Center, Prospective, Open-Label, Single-Arm Clinical Trial, Long-Term Follow-up.. Cell Journal, 2021, 23, 772-778.	0.2	1
98	Mitochondrial DNA Copy Number Variations in Gastrointestinal Tract Cancers: Potential Players. Journal of Gastrointestinal Cancer, 2021, , 1.	0.6	0
99	Mitochondrial DNA Copy Number Variations and Serum Pepsinogen Levels for Risk Assessment in Gastric Cancer. Iranian Biomedical Journal, 2021, 25, 323-33.	0.4	0
100	Female Reproductive Health in SARS-CoV-2 Pandemic Era.. International Journal of Fertility & Sterility, 2021, 15, 241-245.	0.2	0