Gareth J Sullivan

List of Publications by Year
in descending order

56 papers	2,968 citations	236925 25 h-index	182427 51 g-index
61 all docs	61 docs citations	61 times ranked	4816 citing authors

#	Article	IF	Citations
1	Autophagy modulates cell fate decisions during lineage commitment. Autophagy, 2022, 18, 1915-1931.	9.1	8
2	Models and Techniques to Study Aortic Valve Calcification in Vitro, ex Vivo and in Vivo. An Overview. Frontiers in Pharmacology, 2022, 13, .	3.5	6
3	N-acetylcysteine amide ameliorates mitochondrial dysfunction and reduces oxidative stress in hiPSC-derived dopaminergic neurons with POLG mutation. Experimental Neurology, 2021, 337, 113536.	4.1	20
4	Electromembrane Extraction and Mass Spectrometry for Liver Organoid Drug Metabolism Studies. Analytical Chemistry, 2021, 93, 3576-3585.	6.5	19
5	How well do brain organoids capture your brain?. IScience, 2021, 24, 102063.	4.1	27
6	Increased p53 signaling impairs neural differentiation in HUWE1-promoted intellectual disabilities. Cell Reports Medicine, 2021, 2, 100240.	6.5	5
7	Liver Organoids: Recent Developments, Limitations and Potential. Frontiers in Medicine, 2021, 8, 574047.	2.6	50
8	Nicotinamide Riboside and Metformin Ameliorate Mitophagy Defect in Induced Pluripotent Stem Cell-Derived Astrocytes With POLG Mutations. Frontiers in Cell and Developmental Biology, 2021, 9, 737304.	3.7	15
9	3D Printed Tooling for Injection Molded Microfluidics. Macromolecular Materials and Engineering, 2021, 306, 2100464.	3.6	9
10	Advanced preclinical models for evaluation of drug-induced liver injury â€“ consensus statement by the European Drug-Induced Liver Injury Network [PRO-EURO-DILI-NET]. Journal of Hepatology, 2021, 75, 935-959.	3.7	66
11	Distinct Mitochondrial Remodeling During Mesoderm Differentiation in a Human-Based Stem Cell Model. Frontiers in Cell and Developmental Biology, 2021, 9, 744777.	3.7	5
12	3D cell culture models and organâ€onâ€aâ€chip: Meet separation science and mass spectrometry. Electrophoresis, 2020, 41, 56-64.	2.4	41
13	A method for differentiating human induced pluripotent stem cells toward functional cardiomyocytes in 96-well microplates. Scientific Reports, 2020, 10, 18498.	3.3	30
14	Scalable small molecule derived mini-liver organoids from human pluripotent stem cells. Journal of Hepatology, 2020, 73, S91.	3.7	0
15	Dysregulation of BRD4 Function Underlies the Functional Abnormalities of MeCP2 Mutant Neurons. Molecular Cell, 2020, 79, 84-98.e9.	9.7	53
16	Synthetic Analyses of Single-Cell Transcriptomes from Multiple Brain Organoids and Fetal Brain. Cell Reports, 2020, 30, 1682-1689.e3.	6.4	150
17	Back cover: 3D cell culture models and organâ€onâ€aâ€chip: Meet separation science and mass spectrometry. Electrophoresis, 2020, 41, NA.	2.4	0
18	Diseaseâ€specific phenotypes in <scp>iPSC</scp> â€derived neural stem cells with <scp>POLG</scp> mutations. EMBO Molecular Medicine, 2020, 12, e12146.	6.9	38

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19	Characterizing Coagulation FVII from iPSC-Hepatocytes-like Cells: Setting the Basis for Cell Therapy Development. Blood, 2020, 136, 4-4.	1.4	0
20	Interstitial cells in calcified aortic valves have reduced differentiation potential and stem cell-like properties. Scientific Reports, 2019, 9, 12934.	3.3	30
21	Directed reprogramming of comprehensively characterized dental pulp stem cells extracted from natal tooth. Scientific Reports, 2018, 8, 6168.	3.3	15
22	Inflammation and Mechanical Stress Stimulate Osteogenic Differentiation of Human Aortic Valve Interstitial Cells. Frontiers in Physiology, 2018, 9, 1635.	2.8	34
23	Uhrf1 regulates active transcriptional marks at bivalent domains in pluripotent stem cells through Setd1a. Nature Communications, 2018, 9, 2583.	12.8	35
24	Low-dose acetaminophen induces early disruption of cell-cell tight junctions in human hepatic cells and mouse liver. Scientific Reports, 2017, 7, 37541.	3.3	29
25	Development of an inducible platform for intercellular protein delivery. International Journal of Pharmaceutics, 2017, 522, 1-10.	5.2	7
26	Preclinical imaging methods for assessing the safety and efficacy of regenerative medicine therapies. Npj Regenerative Medicine, 2017, 2, 28.	5.2	47
27	Valve Interstitial Cells: The Key to Understanding the Pathophysiology of Heart Valve Calcification. Journal of the American Heart Association, 2017, 6, .	3.7	215
28	Future Challenges in the Generation of Hepatocyte-Like Cells From Human Pluripotent Stem Cells. Current Pathobiology Reports, 2017, 5, 301-314.	3.4	1
29	Rapid Screening of the Endodermal Differentiation Potential of Human Pluripotent Stem Cells. Current Protocols in Stem Cell Biology, 2017, 43, 1G.7.1-1G.7.23.	3.0	12
30	Smallâ€Moleculeâ€Directed Hepatocyteâ€Like Cell Differentiation of Human Pluripotent Stem Cells. Current Protocols in Stem Cell Biology, 2016, 38, 1G.6.1-1G.6.18.	3.0	34
31	Development of a rapid screen for the endodermal differentiation potential of human pluripotent stem cell lines. Scientific Reports, 2016, 6, 37178.	3.3	35
32	Chondrocytes Derived From Mesenchymal Stromal Cells and Induced Pluripotent Cells of Patients With Familial Osteochondritis Dissecans Exhibit an Endoplasmic Reticulum Stress Response and Defective Matrix Assembly. Stem Cells Translational Medicine, 2016, 5, 1171-1181.	3.3	32
33	Small-Molecule-Driven Hepatocyte Differentiation of Human Pluripotent Stem Cells. Stem Cell Reports, 2015, 4, 939-952.	4.8	165
34	Chondroprogenitor cells characterization in familial osteochondritis dissecans; identification of cellular pathologies. Osteoarthritis and Cartilage, 2014, 22, S10-S11.	1.3	0
35	Investigation of Rett syndrome using pluripotent stem cells. Journal of Cellular Biochemistry, 2013, 114, 2446-2453.	2.6	24
36	Comment on â€œDrug Screening for ALS Using Patient-Specific Induced Pluripotent Stem Cellsâ€• Science Translational Medicine, 2013, 5, 188le2.	12.4	7

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37	Modelling Human Disease with Pluripotent Stem Cells. Current Gene Therapy, 2013, 13, 99-110.	2.0	46
38	FUS-SMN Protein Interactions Link the Motor Neuron Diseases ALS and SMA. Cell Reports, 2012, 2, 799-806.	6.4	229
39	Cellular reprogramming: a novel tool for investigating autism spectrum disorders. Trends in Molecular Medicine, 2012, 18, 463-471.	6.7	17
40	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5803-5808.	7.1	308
41	Humanized murine model for HBV and HCV using human induced pluripotent stem cells. Archives of Pharmacal Research, 2012, 35, 261-269.	6.3	15
42	Role of Pluripotent Stem Cells in Regenerative Medicine. , 2012, , 21-37.		0
43	Biomedical and social contributions to sustainability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1730-1747.	3.4	2
44	The evolving biology of cell reprogramming. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2183-2197.	4.0	28
45	Lineage-specific distribution of high levels of genomic. Cell Research, 2011, 21, 1332-1342.	12.0	174
46	Hepatic Endoderm Differentiation from Human Embryonic Stem Cells. Current Stem Cell Research and Therapy, 2010, 5, 233-244.	1.3	12
47	Generation of functional human hepatic endoderm from human induced pluripotent stem cells. Hepatology, 2010, 51, 329-335.	7.3	389
48	What are the limits to cell plasticity?. Cell Research, 2010, 20, 502-503.	12.0	4
49	Induced pluripotent stem cells: epigenetic memories and practical implications. Molecular Human Reproduction, 2010, 16, 880-885.	2.8	58
50	A decade of progress since the birth of Dolly. Reproduction, Fertility and Development, 2009, 21, 95.	0.4	14
51	UBF Binding In Vivo Is Not Restricted to Regulatory Sequences within the Vertebrate Ribosomal DNA Repeat. Molecular and Cellular Biology, 2002, 22, 657-658.	2.3	198
52	Human acrocentric chromosomes with transcriptionally silent nucleolar organizer regions associate with nucleoli. EMBO Journal, 2001, 20, 2867-2877.	7.8	120
53	Dimerization and HMG box domains 1-3 present in Xenopus UBF are sufficient for its role in transcriptional enhancement. Nucleic Acids Research, 1998, 26, 3555-3561.	14.5	7
54	The Xenopus RNA polymerase I transcription factor, UBF, has a role in transcriptional enhancement distinct from that at the promoter. EMBO Journal, 1997, 16, 396-405.	7.8	26

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55	Nucleotide sequence of a repetitive element isolated from Leptospira interrogans serovar hardjo type hardjo-bovis. Journal of General Microbiology, 1991, 137, 1101-1109.	2.3	23
56	Development of a PCR test specific for Leptospira hardjo genotype bovis. Veterinary Record, 1991, 128, 282-283.	0.3	20