

Gareth J Sullivan

List of Publications by Year in descending order

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Version: 2024-02-01

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	Generation of functional human hepatic endoderm from human induced pluripotent stem cells. <i>Hepatology</i> , 2010, 51, 329-335.	7.3	389
2	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5803-5808.	7.1	308
3	FUS-SMN Protein Interactions Link the Motor Neuron Diseases ALS and SMA. <i>Cell Reports</i> , 2012, 2, 799-806.	6.4	229
4	Valve Interstitial Cells: The Key to Understanding the Pathophysiology of Heart Valve Calcification. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	215
5	UBF Binding In Vivo Is Not Restricted to Regulatory Sequences within the Vertebrate Ribosomal DNA Repeat. <i>Molecular and Cellular Biology</i> , 2002, 22, 657-658.	2.3	198
6	Lineage-specific distribution of high levels of genomic. <i>Cell Research</i> , 2011, 21, 1332-1342.	12.0	174
7	Small-Molecule-Driven Hepatocyte Differentiation of Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 939-952.	4.8	165
8	Synthetic Analyses of Single-Cell Transcriptomes from Multiple Brain Organoids and Fetal Brain. <i>Cell Reports</i> , 2020, 30, 1682-1689.e3.	6.4	150
9	Human acrocentric chromosomes with transcriptionally silent nucleolar organizer regions associate with nucleoli. <i>EMBO Journal</i> , 2001, 20, 2867-2877.	7.8	120
10	Advanced preclinical models for evaluation of drug-induced liver injury – consensus statement by the European Drug-Induced Liver Injury Network [PRO-EURO-DILI-NET]. <i>Journal of Hepatology</i> , 2021, 75, 935-959.	3.7	66
11	Induced pluripotent stem cells: epigenetic memories and practical implications. <i>Molecular Human Reproduction</i> , 2010, 16, 880-885.	2.8	58
12	Dysregulation of BRD4 Function Underlies the Functional Abnormalities of MeCP2 Mutant Neurons. <i>Molecular Cell</i> , 2020, 79, 84-98.e9.	9.7	53
13	Liver Organoids: Recent Developments, Limitations and Potential. <i>Frontiers in Medicine</i> , 2021, 8, 574047.	2.6	50
14	Preclinical imaging methods for assessing the safety and efficacy of regenerative medicine therapies. <i>Npj Regenerative Medicine</i> , 2017, 2, 28.	5.2	47
15	Modelling Human Disease with Pluripotent Stem Cells. <i>Current Gene Therapy</i> , 2013, 13, 99-110.	2.0	46
16	3D cell culture models and organ-on-a-chip: Meet separation science and mass spectrometry. <i>Electrophoresis</i> , 2020, 41, 56-64.	2.4	41
17	Disease-specific phenotypes in iPSC-derived neural stem cells with POLG mutations. <i>EMBO Molecular Medicine</i> , 2020, 12, e12146.	6.9	38
18	Development of a rapid screen for the endodermal differentiation potential of human pluripotent stem cell lines. <i>Scientific Reports</i> , 2016, 6, 37178.	3.3	35

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19	Uhrf1 regulates active transcriptional marks at bivalent domains in pluripotent stem cells through Setd1a. <i>Nature Communications</i> , 2018, 9, 2583.	12.8	35
20	Small Molecule Directed Hepatocyte Like Cell Differentiation of Human Pluripotent Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2016, 38, 1G.6.1-1G.6.18.	3.0	34
21	Inflammation and Mechanical Stress Stimulate Osteogenic Differentiation of Human Aortic Valve Interstitial Cells. <i>Frontiers in Physiology</i> , 2018, 9, 1635.	2.8	34
22	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. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1171-1181.	3.3	32
23	Interstitial cells in calcified aortic valves have reduced differentiation potential and stem cell-like properties. <i>Scientific Reports</i> , 2019, 9, 12934.	3.3	30
24	A method for differentiating human induced pluripotent stem cells toward functional cardiomyocytes in 96-well microplates. <i>Scientific Reports</i> , 2020, 10, 18498.	3.3	30
25	Low-dose acetaminophen induces early disruption of cell-cell tight junctions in human hepatic cells and mouse liver. <i>Scientific Reports</i> , 2017, 7, 37541.	3.3	29
26	The evolving biology of cell reprogramming. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2183-2197.	4.0	28
27	How well do brain organoids capture your brain?. <i>IScience</i> , 2021, 24, 102063.	4.1	27
28	The Xenopus RNA polymerase I transcription factor, UBF, has a role in transcriptional enhancement distinct from that at the promoter. <i>EMBO Journal</i> , 1997, 16, 396-405.	7.8	26
29	Investigation of Rett syndrome using pluripotent stem cells. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 2446-2453.	2.6	24
30	Nucleotide sequence of a repetitive element isolated from <i>Leptospira interrogans</i> serovar hardjo type hardjo-bovis. <i>Journal of General Microbiology</i> , 1991, 137, 1101-1109.	2.3	23
31	N-acetylcysteine amide ameliorates mitochondrial dysfunction and reduces oxidative stress in hiPSC-derived dopaminergic neurons with POLG mutation. <i>Experimental Neurology</i> , 2021, 337, 113536.	4.1	20
32	Development of a PCR test specific for <i>Leptospira hardjo</i> genotype bovis. <i>Veterinary Record</i> , 1991, 128, 282-283.	0.3	20
33	Electromembrane Extraction and Mass Spectrometry for Liver Organoid Drug Metabolism Studies. <i>Analytical Chemistry</i> , 2021, 93, 3576-3585.	6.5	19
34	Cellular reprogramming: a novel tool for investigating autism spectrum disorders. <i>Trends in Molecular Medicine</i> , 2012, 18, 463-471.	6.7	17
35	Humanized murine model for HBV and HCV using human induced pluripotent stem cells. <i>Archives of Pharmacal Research</i> , 2012, 35, 261-269.	6.3	15
36	Directed reprogramming of comprehensively characterized dental pulp stem cells extracted from natal tooth. <i>Scientific Reports</i> , 2018, 8, 6168.	3.3	15

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37	Nicotinamide Riboside and Metformin Ameliorate Mitophagy Defect in Induced Pluripotent Stem Cell-Derived Astrocytes With POLG Mutations. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 737304.	3.7	15
38	A decade of progress since the birth of Dolly. <i>Reproduction, Fertility and Development</i> , 2009, 21, 95.	0.4	14
39	Hepatic Endoderm Differentiation from Human Embryonic Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2010, 5, 233-244.	1.3	12
40	Rapid Screening of the Endodermal Differentiation Potential of Human Pluripotent Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2017, 43, 1G.7.1-1G.7.23.	3.0	12
41	3D Printed Tooling for Injection Molded Microfluidics. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100464.	3.6	9
42	Autophagy modulates cell fate decisions during lineage commitment. <i>Autophagy</i> , 2022, 18, 1915-1931.	9.1	8
43	Dimerization and HMG box domains 1-3 present in <i>Xenopus</i> UBF are sufficient for its role in transcriptional enhancement. <i>Nucleic Acids Research</i> , 1998, 26, 3555-3561.	14.5	7
44	Comment on "Drug Screening for ALS Using Patient-Specific Induced Pluripotent Stem Cells". <i>Science Translational Medicine</i> , 2013, 5, 188le2.	12.4	7
45	Development of an inducible platform for intercellular protein delivery. <i>International Journal of Pharmaceutics</i> , 2017, 522, 1-10.	5.2	7
46	Models and Techniques to Study Aortic Valve Calcification in Vitro, ex Vivo and in Vivo. An Overview. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	6
47	Increased p53 signaling impairs neural differentiation in HUWE1-promoted intellectual disabilities. <i>Cell Reports Medicine</i> , 2021, 2, 100240.	6.5	5
48	Distinct Mitochondrial Remodeling During Mesoderm Differentiation in a Human-Based Stem Cell Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 744777.	3.7	5
49	What are the limits to cell plasticity?. <i>Cell Research</i> , 2010, 20, 502-503.	12.0	4
50	Biomedical and social contributions to sustainability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1730-1747.	3.4	2
51	Future Challenges in the Generation of Hepatocyte-Like Cells From Human Pluripotent Stem Cells. <i>Current Pathobiology Reports</i> , 2017, 5, 301-314.	3.4	1
52	Chondroprogenitor cells characterization in familial osteochondritis dissecans; identification of cellular pathologies. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S10-S11.	1.3	0
53	Scalable small molecule derived mini-liver organoids from human pluripotent stem cells. <i>Journal of Hepatology</i> , 2020, 73, S91.	3.7	0
54	Back cover: 3D cell culture models and organ-on-a-chip: Meet separation science and mass spectrometry. <i>Electrophoresis</i> , 2020, 41, NA.	2.4	0

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55	Role of Pluripotent Stem Cells in Regenerative Medicine. , 2012, , 21-37.		0
56	Characterizing Coagulation FVII from iPSC-Hepatocytes-like Cells: Setting the Basis for Cell Therapy Development. Blood, 2020, 136, 4-4.	1.4	0