Vittorio Sebastiano

List of Publications by Year
in descending order

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39 papers	6,297 citations	236925 25 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	9447 citing authors

#	Article	IF	Citations
1	We Shall See?. New England Journal of Medicine, 2021, 384, 1766-1768.	27.0	2
2	Transient non-integrative expression of nuclear reprogramming factors promotes multifaceted amelioration of aging in human cells. Nature Communications, 2020, 11, 1545.	12.8	183
3	Highly Efficient and Marker-free Genome Editing of Human Pluripotent Stem Cells by CRISPR-Cas9 RNP and AAV6 Donor-Mediated Homologous Recombination. Cell Stem Cell, 2019, 24, 821-828.e5.	11.1	135
4	Efficient scarless genome editing in human pluripotent stem cells. Nature Methods, 2018, 15, 1045-1047.	19.0	30
5	Honey bee Royalactin unlocks conserved pluripotency pathway in mammals. Nature Communications, 2018, 9, 5078.	12.8	22
6	A distinct isoform of ZNF207 controls self-renewal and pluripotency of human embryonic stem cells. Nature Communications, 2018, 9, 4384.	12.8	25
7	Influenza virus infection causes global RNAPII termination defects. Nature Structural and Molecular Biology, 2018, 25, 885-893.	8.2	48
8	Do Induced Pluripotent Stem Cell Characteristics Correlate with Efficient In Vitro Smooth Muscle Cell Differentiation? A Comparison of Three Patient-Derived Induced Pluripotent Stem Cell Lines. Stem Cells and Development, 2018, 27, 1438-1448.	2.1	6
9	Single cell expression analysis of primate-specific retroviruses-derived HPAT lincRNAs in viable human blastocysts identifies embryonic cells co-expressing genetic markers of multiple lineages. Heliyon, 2018, 4, e00667.	3.2	23
10	Use of human-derived stem cells to create a novel, in vitro model designed to explore FMR1 CGG repeat instability amongst female premutation carriers. Journal of Assisted Reproduction and Genetics, 2018, 35, 1443-1455.	2.5	1
11	Engineering Regenerative Thymic Tissues to Restore Long-Term T Cell Lymphopoiesis. Blood, 2018, 132, 5092-5092.	1.4	0
12	A semi-interpenetrating network of polyacrylamide and recombinant basement membrane allows pluripotent cell culture in a soft, ligand-rich microenvironment. Biomaterials, 2017, 121, 179-192.	11.4	24
13	A Comprehensive TALEN-Based Knockout Library for Generating Human-Induced Pluripotent Stem Cellâ€“Based Models for Cardiovascular Diseases. Circulation Research, 2017, 120, 1561-1571.	4.5	56
14	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. Scientific Reports, 2017, 7, 17472.	3.3	61
15	Comprehensive comparison of Pacific Biosciences and Oxford Nanopore Technologies and their applications to transcriptome analysis. F1000Research, 2017, 6, 100.	1.6	366
16	Comprehensive comparison of Pacific Biosciences and Oxford Nanopore Technologies and their applications to transcriptome analysis. F1000Research, 2017, 6, 100.	1.6	203
17	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. Developmental Cell, 2016, 38, 100-115.	7.0	35
18	YAP Induces Human Naive Pluripotency. Cell Reports, 2016, 14, 2301-2312.	6.4	157

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19	The primate-specific noncoding RNA HPAT5 regulates pluripotency during human preimplantation development and nuclear reprogramming. Nature Genetics, 2016, 48, 44-52.	21.4	153
20	Patenting parthenotes in the US and Europe. Nature Biotechnology, 2015, 33, 1232-1234.	17.5	0
21	Lift NIH restrictions on chimera research. Science, 2015, 350, 640-640.	12.6	17
22	Rapid and Efficient Conversion of Integration-Free Human Induced Pluripotent Stem Cells to GMP-Grade Culture Conditions. PLoS ONE, 2014, 9, e94231.	2.5	43
23	Germ Cell Nuclear Factor Regulates Gametogenesis in Developing Gonads. PLoS ONE, 2014, 9, e103985.	2.5	14
24	The transcriptome of human pluripotent stem cells. Current Opinion in Genetics and Development, 2014, 28, 71-77.	3.3	14
25	Human COL7A1 -corrected induced pluripotent stem cells for the treatment of recessive dystrophic epidermolysis bullosa. Science Translational Medicine, 2014, 6, 264ra163.	12.4	194
26	Efficient Endoderm Induction from Human Pluripotent Stem Cells by Logically Directing Signals Controlling Lineage Bifurcations. Cell Stem Cell, 2014, 14, 237-252.	11.1	325
27	Quantifying Genome-Editing Outcomes at Endogenous Loci with SMRT Sequencing. Cell Reports, 2014, 7, 293-305.	6.4	115
28	Establishment of totipotency does not depend onÂOct4A. Nature Cell Biology, 2013, 15, 1089-1097.	10.3	99
29	Generation and characterization of transgene-free human induced pluripotent stem cells and conversion to putative clinical-grade status. Stem Cell Research and Therapy, 2013, 4, 87.	5.5	43
30	Characterization of the human ESC transcriptome by hybrid sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4821-30.	7.1	316
31	Human Amniotic Mesenchymal Stem Cell-Derived Induced Pluripotent Stem Cells May Generate a Universal Source of Cardiac Cells. Stem Cells and Development, 2012, 21, 2798-2808.	2.1	42
32	Induction of human neuronal cells by defined transcription factors. Nature, 2011, 476, 220-223.	27.8	1,152
33	In Situ Genetic Correction of the Sickle Cell Anemia Mutation in Human Induced Pluripotent Stem Cells Using Engineered Zinc Finger Nucleases. Stem Cells, 2011, 29, 1717-1726.	3.2	289
34	Embryonic Stem Cells, Derived Either after In Vitro Fertilization or Nuclear Transfer, Prolong Survival of Semiallogeneic Heart Transplants. Journal of Immunology, 2011, 186, 4164-4174.	0.8	9
35	Oct1 regulates trophoblast development during early mouse embryogenesis. Development (Cambridge), 2010, 137, 3551-3560.	2.5	49
36	Oct4-Induced Pluripotency in Adult Neural Stem Cells. Cell, 2009, 136, 411-419.	28.9	858

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37	Induction of Pluripotency in Adult Unipotent Germline Stem Cells. Cell Stem Cell, 2009, 5, 87-96.	11.1	246
38	Pluripotent stem cells induced from adult neural stem cells by reprogramming with two factors. Nature, 2008, 454, 646-650.	27.8	890
39	Cloned pre-implantation mouse embryos show correct timing but altered levels of gene expression. Molecular Reproduction and Development, 2005, 70, 146-154.	2.0	41