Vittorio Sebastiano

List of Publications by Year
in descending order

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	Induction of human neuronal cells by defined transcription factors. Nature, 2011, 476, 220-223.	27.8	1,152
2	Pluripotent stem cells induced from adult neural stem cells by reprogramming with two factors. Nature, 2008, 454, 646-650.	27.8	890
3	Oct4-Induced Pluripotency in Adult Neural Stem Cells. Cell, 2009, 136, 411-419.	28.9	858
4	Comprehensive comparison of Pacific Biosciences and Oxford Nanopore Technologies and their applications to transcriptome analysis. F1000Research, 2017, 6, 100.	1.6	366
5	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
6	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
7	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
8	Induction of Pluripotency in Adult Unipotent Germline Stem Cells. Cell Stem Cell, 2009, 5, 87-96.	11.1	246
9	Comprehensive comparison of Pacific Biosciences and Oxford Nanopore Technologies and their applications to transcriptome analysis. F1000Research, 2017, 6, 100.	1.6	203
10	Human <i>COL7A1</i> -corrected induced pluripotent stem cells for the treatment of recessive dystrophic epidermolysis bullosa. Science Translational Medicine, 2014, 6, 264ra163.	12.4	194
11	Transient non-integrative expression of nuclear reprogramming factors promotes multifaceted amelioration of aging in human cells. Nature Communications, 2020, 11, 1545.	12.8	183
12	YAP Induces Human Naive Pluripotency. Cell Reports, 2016, 14, 2301-2312.	6.4	157
13	The primate-specific noncoding RNA HPAT5 regulates pluripotency during human preimplantation development and nuclear reprogramming. Nature Genetics, 2016, 48, 44-52.	21.4	153
14	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
15	Quantifying Genome-Editing Outcomes at Endogenous Loci with SMRT Sequencing. Cell Reports, 2014, 7, 293-305.	6.4	115
16	Establishment of totipotency does not depend onÂOct4A. Nature Cell Biology, 2013, 15, 1089-1097.	10.3	99
17	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. Scientific Reports, 2017, 7, 17472.	3.3	61
18	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

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19	Oct1 regulates trophoblast development during early mouse embryogenesis. Development (Cambridge), 2010, 137, 3551-3560.	2.5	49
20	Influenza virus infection causes global RNAPII termination defects. Nature Structural and Molecular Biology, 2018, 25, 885-893.	8.2	48
21	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
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	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
24	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
25	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
26	Efficient scarless genome editing in human pluripotent stem cells. Nature Methods, 2018, 15, 1045-1047.	19.0	30
27	A distinct isoform of ZNF207 controls self-renewal and pluripotency of human embryonic stem cells. Nature Communications, 2018, 9, 4384.	12.8	25
28	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
29	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
30	Honey bee Royalactin unlocks conserved pluripotency pathway in mammals. Nature Communications, 2018, 9, 5078.	12.8	22
31	Lift NIH restrictions on chimera research. Science, 2015, 350, 640-640.	12.6	17
32	Germ Cell Nuclear Factor Regulates Gametogenesis in Developing Gonads. PLoS ONE, 2014, 9, e103985.	2.5	14
33	The transcriptome of human pluripotent stem cells. Current Opinion in Genetics and Development, 2014, 28, 71-77.	3.3	14
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	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
36	We Shall See?. New England Journal of Medicine, 2021, 384, 1766-1768.	27.0	2

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37	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
38	Patenting parthenotes in the US and Europe. Nature Biotechnology, 2015, 33, 1232-1234.	17.5	0
39	Engineering Regenerative Thymic Tissues to Restore Long-Term T Cell Lymphopoiesis. Blood, 2018, 132, 5092-5092.	1.4	0