

Satoshi Gojo

List of Publications by Year in descending order

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92
papers

3,162
citations

186265

28
h-index

161849

54
g-index

99
all docs

99
docs citations

99
times ranked

3468
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain from bone: Efficient "meta-differentiation" of marrow stroma-derived mature osteoblasts to neurons with Noggin or a demethylating agent. <i>Differentiation</i> , 2001, 68, 235-244.	1.9	292
2	In vivo cardiovascularogenesis by direct injection of isolated adult mesenchymal stem cells. <i>Experimental Cell Research</i> , 2003, 288, 51-59.	2.6	244
3	HIGH-DOSE PORCINE HEMATOPOIETIC CELL TRANSPLANTATION COMBINED WITH CD40 LIGAND BLOCKADE IN BABOONS PREVENTS AN INDUCED ANTI-PIG HUMORAL RESPONSE. <i>Transplantation</i> , 2000, 69, 2296-2304.	1.0	183
4	COAGULATION AND THROMBOTIC DISORDERS ASSOCIATED WITH PIG ORGAN AND HEMATOPOIETIC CELL TRANSPLANTATION IN NONHUMAN PRIMATES. <i>Transplantation</i> , 2000, 70, 1323-1331.	1.0	164
5	Internalization of isolated functional mitochondria: involvement of macropinocytosis. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1694-1703.	3.6	148
6	Sequence-specific gene silencing in murine muscle induced by electroporation-mediated transfer of short interfering RNA. <i>Journal of Gene Medicine</i> , 2004, 6, 105-110.	2.8	141
7	Sonoporation using microbubble BR14 promotes pDNA/siRNA transduction to murine heart. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 118-127.	2.1	136
8	Left Ventricular Mechanical Support with Impella Provides More Ventricular Unloading in Heart Failure Than Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2011, 57, 169-176.	1.6	134
9	Application of Magnetic Nanoparticles to Gene Delivery. <i>International Journal of Molecular Sciences</i> , 2011, 12, 3705-3722.	4.1	128
10	Interleukin (IL)-21 and IL-15 genetic transfer synergistically augments therapeutic antitumor immunity and promotes regression of metastatic lymphoma. <i>Molecular Therapy</i> , 2003, 8, 552-558.	8.2	104
11	Can the life span of human marrow stromal cells be prolonged by bmi-1, E6, E7, and/or telomerase without affecting cardiomyogenic differentiation?. <i>Journal of Gene Medicine</i> , 2004, 6, 833-845.	2.8	93
12	Electrochemo-gene therapy of cancer: intratumoral delivery of interleukin-12 gene and bleomycin synergistically induced therapeutic immunity and suppressed subcutaneous and metastatic melanomas in mice. <i>Molecular Therapy</i> , 2003, 8, 738-745.	8.2	78
13	Use of isolated mature osteoblasts in abundance acts as desired-shaped bone regeneration in combination with a modified poly-DL-lactic-co-glycolic acid (PLGA)-collagen sponge. <i>Journal of Cellular Physiology</i> , 2003, 194, 45-53.	4.1	74
14	Redifferentiation of dedifferentiated chondrocytes and chondrogenesis of human bone marrow stromal cells via chondrosphere formation with expression profiling by large-scale cDNA analysis. <i>Experimental Cell Research</i> , 2003, 288, 35-50.	2.6	73
15	A Novel Polymorphism in the Promoter Region for the Human Osteocalcin Gene: The Possibility of a Correlation with Bone Mineral Density in Postmenopausal Japanese Women. <i>Journal of Bone and Mineral Research</i> , 2009, 13, 1633-1639.	2.8	54
16	Plasma perfusion by apheresis through a Gal immunoaffinity column successfully depletes anti-Gal antibody: experience with 320 aphereses in baboons. <i>Xenotransplantation</i> , 2000, 7, 181-185.	2.8	47
17	Waon Therapy for Managing Chronic Heart Failure" Results From a Multicenter Prospective Randomized WAON-CHF Study ". <i>Circulation Journal</i> , 2016, 80, 827-834.	1.6	46
18	TRANSFER OF SWINE MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II GENES INTO AUTOLOGOUS BONE MARROW CELLS OF BABOONS FOR THE INDUCTION OF TOLERANCE ACROSS XENOGENEIC BARRIERS. <i>Transplantation</i> , 1999, 67, 1119-1128.	1.0	44

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19	Development of an immunodeficient pig model allowing long-term accommodation of artificial human vascular tubes. <i>Nature Communications</i> , 2019, 10, 2244.	12.8	42
20	Novel detergent for whole organ tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3364-3373.	4.0	41
21	TAT-dextran-mediated mitochondrial transfer enhances recovery from models of reperfusion injury in cultured cardiomyocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5007-5020.	3.6	37
22	Placenta to cartilage: direct conversion of human placenta to chondrocytes with transformation by defined factors. <i>Molecular Biology of the Cell</i> , 2012, 23, 3511-3521.	2.1	36
23	Cardiac mesenchymal progenitors differentiate into adipocytes via Klf4 and c-Myc. <i>Cell Death and Disease</i> , 2016, 7, e2190-e2190.	6.3	36
24	New era for therapeutic strategy for heart failure: Destination therapy by left ventricular assist device. <i>Journal of Cardiology</i> , 2012, 59, 101-109.	1.9	35
25	N- and O-glycan cell surface protein modifications associated with cellular senescence and human aging. <i>Cell and Bioscience</i> , 2016, 6, 14.	4.8	35
26	Large-scale cell production of stem cells for clinical application using the automated cell processing machine. <i>BMC Biotechnology</i> , 2013, 13, 102.	3.3	34
27	Single-cell-derived mesenchymal stem cells overexpressing Csx/Nkx2.5 and GATA4 undergo the stochastic cardiomyogenic fate and behave like transient amplifying cells. <i>Experimental Cell Research</i> , 2007, 313, 698-706.	2.6	32
28	Myostatin acts as an autocrine/paracrine negative regulator in myoblast differentiation from human induced pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 309-314.	2.1	32
29	Transplantation of genetically marked cardiac muscle cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 113, 10-18.	0.8	30
30	Sexual dimorphisms of mRNA and miRNA in human/murine heart disease. <i>PLoS ONE</i> , 2017, 12, e0177988.	2.5	29
31	Porcine hematopoietic cell xenotransplantation in nonhuman primates is complicated by thrombotic microangiopathy. <i>Bone Marrow Transplantation</i> , 2001, 27, 1227-1236.	2.4	28
32	Intravascular naked DNA vaccine encoding glycoprotein B induces protective humoral and cellular immunity against herpes simplex virus type 1 infection in mice. <i>Gene Therapy</i> , 2003, 10, 2059-2066.	4.5	28
33	Direct Human Mitochondrial Transfer: A Novel Concept Based on the Endosymbiotic Theory. <i>Transplantation Proceedings</i> , 2014, 46, 1233-1236.	0.6	28
34	Epithelial regeneration and preservation of tracheal cartilage after tracheal replacement with cryopreserved allograft in the rat. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998, 116, 624-627.	0.8	27
35	GENE THERAPY AND TRANSPLANTATION1. <i>Transplantation</i> , 2000, 69, 1995-1999.	1.0	24
36	Intravascular insulin gene delivery as potential therapeutic intervention in diabetes mellitus. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 897-903.	2.1	23

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37	Xenogeneic thymus transplantation in a pig-to-baboon model. <i>Transplantation</i> , 2003, 75, 282-291.	1.0	23
38	High throughput single cell analysis of mitochondrial heteroplasmy in mitochondrial diseases. <i>Scientific Reports</i> , 2020, 10, 10821.	3.3	22
39	Plasticity of Mesenchymal Stem Cells -Regenerative Medicine for Diseased Hearts-. <i>Human Cell</i> , 2003, 16, 23-30.	2.7	21
40	Gene Transfer Into the Donor Heart During Cold Preservation for Heart Transplantation. <i>Annals of Thoracic Surgery</i> , 1998, 65, 647-652.	1.3	20
41	Pleiotropic functions of magnetic nanoparticles for ex vivo gene transfer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1165-1174.	3.3	20
42	Cardiac Resurrection After Bone-Marrow-Derived Mononuclear Cell Transplantation During Left Ventricular Assist Device Support. <i>Annals of Thoracic Surgery</i> , 2007, 83, 661-662.	1.3	18
43	Efficient transfection method using deacylated polyethylenimine-coated magnetic nanoparticles. <i>Journal of Artificial Organs</i> , 2011, 14, 215-222.	0.9	16
44	ANTI-GAL ANTIBODY LEVELS IN ORGAN TRANSPLANT RECIPIENTS RECEIVING IMMUNOSUPPRESSIVE THERAPY. <i>Transplantation</i> , 2000, 69, 914-917.	1.0	16
45	Ex vivo gene transfer into myocardium using replication-defective retrovirus. <i>Cell Transplantation</i> , 1996, 5, S81-S84.	2.5	15
46	Allogeneic amniotic membrane-derived mesenchymal stromal cell transplantation in a porcine model of chronic myocardial ischemia. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2012, 8, 171-180.	2.2	14
47	Identification of the indoleamine 2,3-dioxygenase nucleotide sequence in a rat liver transplant model. <i>Transplant Immunology</i> , 2000, 8, 189-194.	1.2	12
48	Mitral Valve Surgery Under Perfused Ventricular Fibrillation With Moderate Hypothermia.. <i>Circulation Journal</i> , 2002, 66, 450-452.	1.6	12
49	Transthoracic direct current shock facilitates intramyocardial transfection of naked plasmid DNA infused via coronary vessels in canines. <i>Gene Therapy</i> , 2006, 13, 906-916.	4.5	11
50	Kidney-specific Sonoporation-mediated Gene Transfer. <i>Molecular Therapy</i> , 2016, 24, 125-134.	8.2	11
51	The DEAD-box RNA-binding protein DDX6 regulates parental RNA decay for cellular reprogramming to pluripotency. <i>PLoS ONE</i> , 2018, 13, e0203708.	2.5	11
52	Increased mobilization of c-kit+ Sca-1+ Lin ⁻ (KSL) cells and colony-forming units in spleen (CFU-S) following de novo formation of a stem cell niche depends on dynamic, but not stable, membranous ossification. <i>Journal of Cellular Physiology</i> , 2006, 208, 188-194.	4.1	9
53	Tuning cell fate. <i>Organogenesis</i> , 2014, 10, 231-240.	1.2	9
54	Development of xenogeneic decellularized biotubes for off-the-shelf applications. <i>Artificial Organs</i> , 2019, 43, 773-779.	1.9	9

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55	Induction of mixed hematopoietic chimerism in the pig-to-baboon model. <i>Transplantation Proceedings</i> , 2000, 32, 1101.	0.6	8
56	Differential expression of Gal α 1,3Gal epitopes on fetal and adult porcine hematopoietic cells. <i>Xenotransplantation</i> , 2002, 9, 297-300.	2.8	8
57	Tissue engineering and cell-based therapy toward integrated strategy with artificial organs. <i>Journal of Artificial Organs</i> , 2011, 14, 171-177.	0.9	8
58	Modifications of the mechanical properties of in vivo tissue-engineered vascular grafts by chemical treatments for a short duration. <i>PLoS ONE</i> , 2021, 16, e0248346.	2.5	7
59	Generation of somatic mitochondrial DNA-replaced cells for mitochondrial dysfunction treatment. <i>Scientific Reports</i> , 2021, 11, 10897.	3.3	7
60	Gene therapy – its potential in surgery. <i>Annals of the Royal College of Surgeons of England</i> , 2002, 84, 297-301.	0.6	7
61	Ex vivo gene transfer to transplanted heart grafts using adenoviral vector. <i>Transplantation Proceedings</i> , 1996, 28, 1818-9.	0.6	7
62	Increases in autologous hematopoietic progenitors in the blood of baboons following irradiation and treatment with porcine stem cell factor and interleukin-3. <i>Transplantation Proceedings</i> , 2000, 32, 1045-1046.	0.6	6
63	Combined Coronary Artery Bypass Grafting and Abdominal Aortic Aneurysm Repair. <i>Asian Cardiovascular and Thoracic Annals</i> , 2003, 11, 233-236.	0.5	6
64	New pre-clotting method for fibrin glue in a non-sealed graft used in an LVAD: the KYO method. <i>Journal of Artificial Organs</i> , 2010, 13, 174-177.	0.9	6
65	Strategies for the Creation and Maintenance of Reconstructed Arteriovenous Fistulas Using the Forearm Basilic Vein. <i>Therapeutic Apheresis and Dialysis</i> , 2013, 17, n/a-n/a.	0.9	6
66	Preserved Nephrogenesis Following Partial Nephrectomy in Early Neonates. <i>Scientific Reports</i> , 2016, 6, 26792.	3.3	6
67	From Cell Entry to Engraftment of Exogenous Mitochondria. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4995.	4.1	6
68	A nonmyeloablative regimen with CD40L blockade leads to humoral and cellular hyporesponsiveness to pig hematopoietic cells in baboons. <i>Transplantation Proceedings</i> , 2000, 32, 1100.	0.6	5
69	Successful LVAS and RVAS-ECMO support in a patient with fulminant myocarditis who failed to recover from ventricular fibrillation with PCPS and IABP. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 885-886.	0.8	5
70	Xenogeneic and allogeneic skin grafting after retrovirus-mediated SLA Class II DR gene transfer in baboons. <i>Transplantation Proceedings</i> , 2000, 32, 289-290.	0.6	4
71	RNA decay in processing bodies is indispensable for adipogenesis. <i>Cell Death and Disease</i> , 2021, 12, 285.	6.3	4
72	Cell Transplantation Combined with Recombinant Collagen Peptides for the Treatment of Fabry Disease. <i>Cell Transplantation</i> , 2020, 29, 096368972097636.	2.5	3

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73	Genetically Modified Cell Transplantation Through Macroencapsulated Spheroids with Scaffolds to Treat Fabry Disease. <i>Cell Transplantation</i> , 2021, 30, 096368972110602.	2.5	3
74	Effects of subzero nonfreezing storage on the preservation of myocardial energy and function. <i>Transplantation Proceedings</i> , 1996, 28, 1910-1.	0.6	3
75	Cardiac Regenerative Medicine Cellular Therapy and Tissue Engineering. <i>Circulation Journal</i> , 2009, 73, A61-A67.	1.6	2
76	Development of a novel semi-quantitative analysis system for ultramicroscale samples by fluorescent capillary isoelectric focusing. <i>Biosensors and Bioelectronics</i> , 2014, 54, 656-660.	10.1	2
77	Cardiac Mesenchymal Progenitors From Postmortem Cardiac Tissues Retained Cellular Characterization. <i>Transplantation Proceedings</i> , 2014, 46, 1194-1197.	0.6	2
78	Simultaneous abdominal aortic aneurysm repair during the on-pump coronary artery bypass grafting. <i>Annals of Thoracic and Cardiovascular Surgery</i> , 2003, 9, 409-11.	0.8	2
79	Amelioration of Endotoxemia by a Synthetic Analog of Omega-3 Epoxyeicosanoids. <i>Frontiers in Immunology</i> , 2022, 13, 825171.	4.8	2
80	Effects of Short-Duration Ethanol Dehydration on Mechanical Properties of Porcine Pericardium. <i>Annals of Thoracic and Cardiovascular Surgery</i> , 2021, 27, 169-175.	0.8	1
81	A tissue-engineered, decellularized, connective tissue membrane for allogeneic arterial patch implantation. <i>Artificial Organs</i> , 2021, , .	1.9	1
82	Noncardioplegic Surgery for Ischemic Mitral Regurgitation.. <i>Circulation Journal</i> , 2003, 67, 31-34.	1.6	0
83	LVAS Support for "Bridge to Therapy" in Patients with End-stage Heart Failure. <i>Journal of Cardiac Failure</i> , 2005, 11, S260.	1.7	0
84	Combined Therapy of Mononuclear Cell Transplantation and Left Ventricular Assist Device in End-stage Heart Failure. <i>Journal of Cardiac Failure</i> , 2007, 13, S6.	1.7	0
85	Recipient Conditioning in Cell Transplantation for Cardiac Resurrection. <i>Journal of Cardiac Failure</i> , 2007, 13, S20-S21.	1.7	0
86	Optimal Therapeutic Window of Cell Transplantation for Cardiac Recovery under Ventricular Assist Device Support. <i>Journal of Cardiac Failure</i> , 2008, 14, S144.	1.7	0
87	The Volume Unloading Efficacy of the Impella in AMI Model. <i>Journal of Cardiac Failure</i> , 2009, 15, S169-S170.	1.7	0
88	Direct minimally invasive intraoperative electrophysiological mapping of the heart. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2013, 22, 372-380.	1.2	0
89	IMPORTANCE OF LUXURY FLOW FOR CRITICALLY ILL PATIENTS RECEIVING LEFT VENTRICULAR ASSIST SYSTEM. <i>ASAIO Journal</i> , 2004, 50, 132.	1.6	0
90	PORCINE PERIPHERAL BLOOD STEM CELL TRANSPLANTATION IN BABOONS IS COMPLICATED BY THROMBOTIC THROMBOCYTOPENIC PURPURA. <i>Transplantation</i> , 1999, 67, S134.	1.0	0

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91	Effect of lipoprostaglandin E1 in concordant xenografts. Transplantation Proceedings, 1996, 28, 1410-1.	0.6	0
92	A novel mRNA decay inhibitor abolishes pathophysiological cellular transition. Cell Death Discovery, 2022, 8, .	4.7	0