Riccardo Calafiore

List of Publications by Year
in descending order

72 papers	2,005 citations	279487 23 h-index	264894 42 g-index
73 all docs	73 docs citations	73 times ranked	2469 citing authors

#	Article	IF	Citations
1	Long-Term Metabolic and Immunological Follow-Up of Nonimmunosuppressed Patients With Type 1 Diabetes Treated With Microencapsulated Islet Allografts. Diabetes Care, 2011, 34, 2406-2409.	4.3	202
2	Mesenchymal Stem Cells Reduce Colitis in Mice via Release of TSG6, Independently of Their Localization to the Intestine. Gastroenterology, 2015, 149, 163-176.e20.	0.6	201
3	Microencapsulated pancreatic islet allografts into nonimmunosuppressed patients with type 1 diabetes: first two cases. Diabetes Care, 2006, 29, 137-8.	4.3	106
4	Clinical application of microencapsulated islets: Actual prospectives on progress and challenges. Advanced Drug Delivery Reviews, 2014, 67-68, 84-92.	6.6	98
5	Transplantation of Pancreatic Islets Contained in Minimal Volume Microcapsules in Diabetic High Mammalians. Annals of the New York Academy of Sciences, 1999, 875, 219-232.	1.8	92
6	Therapy of experimental type 1 diabetes by isolated Sertoli cell xenografts alone. Journal of Experimental Medicine, 2009, 206, 2511-2526.	4.2	84
7	Engineering a Clinically Translatable Bioartificial Pancreas to Treat Type I Diabetes. Trends in Biotechnology, 2018, 36, 445-456.	4.9	62
8	Encapsulation,In VitroCharacterization, andIn VivoBiocompatibility of Sertoli Cells in Alginate-Based Microcapsules. Tissue Engineering, 2007, 13, 641-648.	4.9	55
9	Alginate microcapsules for pancreatic islet cell graft immunoprotection: struggle and progress towards the final cure for type 1 diabetes mellitus. Expert Opinion on Biological Therapy, 2003, 3, 201-205.	1.4	53
10	New Simple and Rapid Method for Purification of Mesenchymal Stem Cells from the Human Umbilical Cord Wharton Jelly. Tissue Engineering - Part A, 2011, 17, 2651-2661.	1.6	47
11	Grafts of microencapsulated pancreatic islet cells for the therapy of diabetes mellitus in non-immunosuppressed animals. Biotechnology and Applied Biochemistry, 2004, 39, 159.	1.4	45
12	In vitro immunomodulatory effects of microencapsulated umbilical cord Wharton jelly-derived mesenchymal stem cells in primary SjÃ¶grenâ€™s syndrome. Rheumatology, 2015, 54, 163-168.	0.9	45
13	Accelerated Functional Maturation of Isolated Neonatal Porcine Cell Clusters: In Vitro and In Vivo Results in NOD Mice. Cell Transplantation, 2005, 14, 249-261.	1.2	43
14	On the Origin of Testicular Germ Cell Tumors: From Gonocytes to Testicular Cancer. Frontiers in Endocrinology, 2019, 10, 343.	1.5	37
15	Insights in Behavior of Variably Formulated Alginate-Based Microcapsules for Cell Transplantation. BioMed Research International, 2015, 2015, 1-11.	0.9	36
16	A Comparison of Lysosomal Enzymes Expression Levels in Peripheral Blood of Mild- and Severe-Alzheimerâ€™s Disease and MCI Patients: Implications for Regenerative Medicine Approaches. International Journal of Molecular Sciences, 2017, 18, 1806.	1.8	36
17	Improved function of rat islets upon co-microencapsulation with Sertoli's cells in alginate/poly-L-ornithine. AAPS PharmSciTech, 2001, 2, 48-54.	1.5	34
18	Acute effects of lead on porcine neonatal Sertoli cells in vitro. Toxicology in Vitro, 2018, 48, 45-52.	1.1	30

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19	Cellular Support Systems for Alginate Microcapsules Containing Islets, as Composite Bioartificial Pancreas. Annals of the New York Academy of Sciences, 2001, 944, 240-252.	1.8	27
20	The functional performance of microencapsulated human pancreatic islet-derived precursor cells. Biomaterials, 2011, 32, 9254-9262.	5.7	26
21	Prolongation of skin allograft survival in rats by the transplantation of microencapsulated xenogeneic neonatal porcine Sertoli cells. Biomaterials, 2012, 33, 5333-5340.	5.7	26
22	Longâ€term stability, functional competence, and safety of microencapsulated specific pathogenâ€free neonatal porcine Sertoli cells: a potential product for cell transplant therapy. Xenotransplantation, 2015, 22, 273-283.	1.6	26
23	Surface Hydrophilicity of Poly(l-Lactide) Acid Polymer Film Changes the Human Adult Adipose Stem Cell Architecture. Polymers, 2018, 10, 140.	2.0	26
24	Intraperitoneal injection of microencapsulated Sertoli cells restores muscle morphology and performance in dystrophic mice. Biomaterials, 2016, 75, 313-326.	5.7	25
25	Testosterone and FSH modulate Sertoli cell extracellular secretion: Proteomic analysis. Molecular and Cellular Endocrinology, 2018, 476, 1-7.	1.6	24
26	Stem cells for pancreatic Î²-cell replacement in diabetes mellitus. Current Opinion in Organ Transplantation, 2014, 19, 162-168.	0.8	23
27	Restoration of t cell substes of patients with type 1 diabetes mellitus by microencapsulated human umbilical cord Wharton jelly-derived mesenchymal stem cells: An in vitro study. Clinical Immunology, 2016, 163, 34-41.	1.4	23
28	Design of a nanocomposite substrate inducing adult stem cell assembly and progression toward an Epiblast-like or Primitive Endoderm-like phenotype via mechanotransduction. Biomaterials, 2017, 144, 211-229.	5.7	23
29	Treatment of diabetes mellitus with microencapsulated fetal human liver (FH-B-TPN) engineered cells. Biomaterials, 2013, 34, 4002-4012.	5.7	22
30	Testosterone and Follicle Stimulating Hormoneâ€“Dependent Glyoxalase 1 Up-Regulation Sustains the Viability of Porcine Sertoli Cells through the Control of Hydroimidazoloneâ€“ and Argpyrimidine-Mediated NF-ÎºB Pathway. American Journal of Pathology, 2018, 188, 2553-2563.	1.9	21
31	Reversal of experimental Laron Syndrome by xenotransplantation of microencapsulated porcine Sertoli cells. Journal of Controlled Release, 2013, 165, 75-81.	4.8	20
32	Terapeutic Potential of Microencapsulated Sertoli Cells in Huntington Disease. CNS Neuroscience and Therapeutics, 2016, 22, 686-690.	1.9	19
33	Artificial Pancreas to Treat Type 1 Diabetes Mellitus. Methods in Molecular Medicine, 2007, 140, 197-236.	0.8	18
34	Semen Proteomics Reveals the Impact of Enterococcus faecalis on male Fertility. Protein and Peptide Letters, 2018, 25, 472-477.	0.4	18
35	Melatonin modulates Nrf2 activity to protect porcine preâ€pubertal Sertoli cells from the abnormal H₂O₂ generation and reductive stress effects of cadmium. Journal of Pineal Research, 2022, 73, .	3.4	18
36	Microencapsulation for cell therapy of type 1 diabetes mellitus: The interplay between common beliefs, prejudices and real progress. Journal of Diabetes Investigation, 2018, 9, 231-233.	1.1	17

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37	Effects of GH and IGF1 on Basal and FSH-Modulated Porcine Sertoli Cells In-Vitro. Journal of Clinical Medicine, 2019, 8, 811.	1.0	17
38	Xenograft of Microencapsulated Sertoli Cells Reverses T1DM in NOD Mice by Inducing Neogenesis of Beta-Cells. Transplantation, 2010, 90, 1352-1357.	0.5	16
39	Xenograft of microencapsulated Sertoli cells restores glucose homeostasis in db/db mice with spontaneous diabetes mellitus. Xenotransplantation, 2016, 23, 429-439.	1.6	16
40	Microencapsulation of cells and molecular therapy of typeÂ1 diabetes mellitus: The actual state and future perspectives between promise and progress. Journal of Diabetes Investigation, 2021, 12, 301-309.	1.1	16
41	Adipokines: A Rainbow of Proteins with Metabolic and Endocrine Functions. Protein and Peptide Letters, 2020, 27, 1204-1230.	0.4	15
42	Improvements in human sperm quality by long-term in vitro co-culture with isolated porcine Sertoli cells. Human Reproduction, 2011, 26, 2598-2605.	0.4	14
43	The IGF1 Receptor Is Involved in Follicle-Stimulating Hormone Signaling in Porcine Neonatal Sertoli Cells. Journal of Clinical Medicine, 2019, 8, 577.	1.0	14
44	Role of Sertoli Cell Proteins in Immunomodulation. Protein and Peptide Letters, 2018, 25, 440-445.	0.4	14
45	An in vitro prototype of a porcine biomimetic testis-like cell culture system: a novel tool for the study of reassembled Sertoli and Leydig cells. Asian Journal of Andrology, 2018, 20, 160.	0.8	14
46	Umbilical cord mesenchymal stem cells for the treatment of autoimmune diseases: beware of cell-to-cell contact. Annals of the Rheumatic Diseases, 2018, 77, e14-e14.	0.5	13
47	Natural Cryoprotective and Cytoprotective Agents in Cryopreservation: A Focus on Melatonin. Molecules, 2022, 27, 3254.	1.7	12
48	Human Umbilical Cord Wharton Jelly-Derived Adult Mesenchymal Stem Cells, in Biohybrid Scaffolds, for Experimental Skin Regeneration. Stem Cells International, 2017, 2017, 1-13.	1.2	11
49	Do porcine Sertoli cells represent an opportunity for Duchenne muscular dystrophy?. Cell Proliferation, 2019, 52, e12599.	2.4	11
50	IGF2 and IGF1R mRNAs Are Detectable in Human Spermatozoa. World Journal of Men?s Health, 2020, 38, 545.	1.7	11
51	Actual perspectives in biohybrid artificial pancreas for the therapy of Type 1, insulin-dependent diabetes mellitus. Diabetes/metabolism Reviews, 1998, 14, 315-324.	0.2	10
52	Remission of hyperglycemia in spontaneously diabetic NOD mice upon transplant of microencapsulated human umbilical cord Wharton jellyâ€derived mesenchymal stem cells (hUCMS). Xenotransplantation, 2019, 26, e12476.	1.6	10
53	Coâ€microencapsulation of human umbilical cordâ€derived mesenchymal stem and pancreatic isletâ€derived insulin producing cells in experimental type 1 diabetes. Diabetes/Metabolism Research and Reviews, 2021, 37, e3372.	1.7	9
54	Effects of intraperitoneal injection of microencapsulated Sertoli cells on chronic and presymptomatic dystrophic mice. Data in Brief, 2015, 5, 1015-1021.	0.5	8

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55	â€œIn vitroâ€•Effect of Different Follicleâ€"Stimulating Hormone Preparations on Sertoli Cells: Toward a Personalized Treatment for Male Infertility. Frontiers in Endocrinology, 2020, 11, 401.	1.5	8
56	Microencapsulation of Islets for the Treatment of Type 1 Diabetes Mellitus (T1D). Methods in Molecular Biology, 2017, 1479, 283-304.	0.4	7
57	Gestational diabetes: A link between OGTT, maternal-fetal outcomes and maternal glucose tolerance after childbirth. Nutrition, Metabolism and Cardiovascular Diseases, 2020, 30, 2389-2397.	1.1	7
58	Microencapsulated G3C Hybridoma Cell Graft Delays the Onset of Spontaneous Diabetes in NOD Mice by an Expansion of Gitr+ Treg Cells. Diabetes, 2020, 69, 965-980.	0.3	7
59	Effect of EPA on Neonatal Pig Sertoli Cells â€œIn Vitroâ€: A Possible Treatment to Help Maintain Fertility in Pre-Pubertal Boys Undergoing Treatment With Gonado-Toxic Therapies. Frontiers in Endocrinology, 2021, 12, 694796.	1.5	6
60	Fertility Preservation and Restoration Options for Pre-Pubertal Male Cancer Patients: Current Approaches. Frontiers in Endocrinology, 0, 13, .	1.5	6
61	<i>In Vitro</i>â€"Cultured Human Islet Cell Monolayers: Stemness Markers and Insulin Recovery upon Streptozotocin Exposure. Tissue Engineering - Part A, 2009, 15, 3931-3942.	1.6	5
62	Engineered Alginate Microcapsules for Molecular Therapy Through Biologic Secreting Cells. Tissue Engineering - Part C: Methods, 2019, 25, 296-304.	1.1	4
63	Employment of Microencapsulated Sertoli Cells as a New Tool to Treat Duchenne Muscular Dystrophy. Journal of Functional Morphology and Kinesiology, 2017, 2, 47.	1.1	3
64	In â€œVitroâ€•Lps-Stimulated Sertoli Cells Pre-Loaded With Microparticles: Intracellular Activation Pathways. Frontiers in Endocrinology, 2020, 11, 611932.	1.5	3
65	NMR Analysis of Non Hydrolyzed Samples of Sodium Alginate. , 0, , .		3
66	Functional Profiles of Human Umbilical Cord-Derived Adult Mesenchymal Stem Cells in Obese/Diabetic Versus Healthy Women. Current Diabetes Reviews, 2016, , .	0.6	3
67	Sertoli Cells Improve Myogenic Differentiation, Reduce Fibrogenic Markers, and Induce Utrophin Expression in Human DMD Myoblasts. Biomolecules, 2021, 11, 1504.	1.8	2
68	Effects of Sertoli cells Implantation on Type 2 Diabetes in Nonhuman Primates. FASEB Journal, 2013, 27, 1154.3.	0.2	1
69	Microencapsulated Sertoli cells sustain myoblast proliferation without affecting the myogenic potential. In vitro data. Data in Brief, 2022, 40, 107744.	0.5	1
70	L27â€…Peripheral microencapsulated porcine sertoli cells for a xenograft neuroprotective treatment in huntingtonâ€™s disease. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A99.2-A99.	0.9	0
71	SAT-035 In Vitro Effect of Different Follicle-Stimulating Hormone Preparations on Sertoli Cells. Journal of the Endocrine Society, 2020, 4, .	0.1	0
72	Microencapsulated Wharton Jelly-derived adult mesenchymal stem cells as a potential new therapeutic tool for patients with COVID-19 disease: an in vitro study. American Journal of Stem Cells, 2021, 10, 36-52.	0.4	0