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	Microencapsulated Sertoli cells sustain myoblast proliferation without affecting the myogenic potential. In vitro data. Data in Brief, 2022, 40, 107744.	0.5	1
2	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
3	Natural Cryoprotective and Cytoprotective Agents in Cryopreservation: A Focus on Melatonin. Molecules, 2022, 27, 3254.	1.7	12
4	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
5	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
6	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
7	Sertoli Cells Improve Myogenic Differentiation, Reduce Fibrogenic Markers, and Induce Utrophin Expression in Human DMD Myoblasts. Biomolecules, 2021, 11, 1504.	1.8	2
8	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
9	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
10	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
11	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
12	In â€œVitroâ€•Lps-Stimulated Sertoli Cells Pre-Loaded With Microparticles: Intracellular Activation Pathways. Frontiers in Endocrinology, 2020, 11, 611932.	1.5	3
13	Adipokines: A Rainbow of Proteins with Metabolic and Endocrine Functions. Protein and Peptide Letters, 2020, 27, 1204-1230.	0.4	15
14	IGF2 and IGF1R mRNAs Are Detectable in Human Spermatozoa. World Journal of Men?s Health, 2020, 38, 545.	1.7	11
15	SAT-035 In Vitro Effect of Different Follicle-Stimulating Hormone Preparations on Sertoli Cells. Journal of the Endocrine Society, 2020, 4, .	0.1	0
16	On the Origin of Testicular Germ Cell Tumors: From Gonocytes to Testicular Cancer. Frontiers in Endocrinology, 2019, 10, 343.	1.5	37
17	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
18	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

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19	Do porcine Sertoli cells represent an opportunity for Duchenne muscular dystrophy?. Cell Proliferation, 2019, 52, e12599.	2.4	11
20	Engineered Alginate Microcapsules for Molecular Therapy Through Biologic Secreting Cells. Tissue Engineering - Part C: Methods, 2019, 25, 296-304.	1.1	4
21	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
22	Engineering a Clinically Translatable Bioartificial Pancreas to Treat Type I Diabetes. Trends in Biotechnology, 2018, 36, 445-456.	4.9	62
23	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
24	Acute effects of lead on porcine neonatal Sertoli cells in vitro. Toxicology in Vitro, 2018, 48, 45-52.	1.1	30
25	Testosterone and FSH modulate Sertoli cell extracellular secretion: Proteomic analysis. Molecular and Cellular Endocrinology, 2018, 476, 1-7.	1.6	24
26	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
27	Surface Hydrophilicity of Poly(l-Lactide) Acid Polymer Film Changes the Human Adult Adipose Stem Cell Architecture. Polymers, 2018, 10, 140.	2.0	26
28	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-Î°B Pathway. American Journal of Pathology, 2018, 188, 2553-2563.	1.9	21
29	Semen Proteomics Reveals the Impact of Enterococcus faecalis on male Fertility. Protein and Peptide Letters, 2018, 25, 472-477.	0.4	18
30	Role of Sertoli Cell Proteins in Immunomodulation. Protein and Peptide Letters, 2018, 25, 440-445.	0.4	14
31	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
32	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
33	Microencapsulation of Islets for the Treatment of Type 1 Diabetes Mellitus (T1D). Methods in Molecular Biology, 2017, 1479, 283-304.	0.4	7
34	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
35	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
36	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

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37	Terapeutic Potential of Microencapsulated Sertoli Cells in Huntington Disease. CNS Neuroscience and Therapeutics, 2016, 22, 686-690.	1.9	19
38	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
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	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
41	Intraperitoneal injection of microencapsulated Sertoli cells restores muscle morphology and performance in dystrophic mice. Biomaterials, 2016, 75, 313-326.	5.7	25
42	Functional Profiles of Human Umbilical Cord-Derived Adult Mesenchymal Stem Cells in Obese/Diabetic Versus Healthy Women. Current Diabetes Reviews, 2016, , .	0.6	3
43	Effects of intraperitoneal injection of microencapsulated Sertoli cells on chronic and presymptomatic dystrophic mice. Data in Brief, 2015, 5, 1015-1021.	0.5	8
44	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
45	Insights in Behavior of Variably Formulated Alginate-Based Microcapsules for Cell Transplantation. BioMed Research International, 2015, 2015, 1-11.	0.9	36
46	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
47	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
48	Stem cells for pancreatic Î²-cell replacement in diabetes mellitus. Current Opinion in Organ Transplantation, 2014, 19, 162-168.	0.8	23
49	Clinical application of microencapsulated islets: Actual prospectives on progress and challenges. Advanced Drug Delivery Reviews, 2014, 67-68, 84-92.	6.6	98
50	Treatment of diabetes mellitus with microencapsulated fetal human liver (FH-B-TPN) engineered cells. Biomaterials, 2013, 34, 4002-4012.	5.7	22
51	Reversal of experimental Laron Syndrome by xenotransplantation of microencapsulated porcine Sertoli cells. Journal of Controlled Release, 2013, 165, 75-81.	4.8	20
52	Effects of Sertoli cells Implantation on Type 2 Diabetes in Nonhuman Primates. FASEB Journal, 2013, 27, 1154.3.	0.2	1
53	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
54	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

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55	The functional performance of microencapsulated human pancreatic islet-derived precursor cells. Biomaterials, 2011, 32, 9254-9262.	5.7	26
56	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
57	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
58	Xenograft of Microencapsulated Sertoli Cells Reverses T1DM in NOD Mice by Inducing Neogenesis of Beta-Cells. Transplantation, 2010, 90, 1352-1357.	0.5	16
59	<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
60	Therapy of experimental type 1 diabetes by isolated Sertoli cell xenografts alone. Journal of Experimental Medicine, 2009, 206, 2511-2526.	4.2	84
61	Artificial Pancreas to Treat Type 1 Diabetes Mellitus. Methods in Molecular Medicine, 2007, 140, 197-236.	0.8	18
62	Encapsulation,In VitroCharacterization, andIn VivoBiocompatibility of Sertoli Cells in Alginate-Based Microcapsules. Tissue Engineering, 2007, 13, 641-648.	4.9	55
63	Microencapsulated pancreatic islet allografts into nonimmunosuppressed patients with type 1 diabetes: first two cases. Diabetes Care, 2006, 29, 137-8.	4.3	106
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	NMR Analysis of Non Hydrolyzed Samples of Sodium Alginate. , 0, , .		3
72	Fertility Preservation and Restoration Options for Pre-Pubertal Male Cancer Patients: Current Approaches. Frontiers in Endocrinology, 0, 13, .	1.5	6