Paul De Vos

List of Publications by Year
in descending order

283	16,493	13854 67	22147 113
papers	citations	h-index	g-index

288	288	288	16090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Encapsulation for preservation of functionality and targeted delivery of bioactive food components. International Dairy Journal, 2010, 20, 292-302.	1.5	610
2	Technology of mammalian cell encapsulation. Advanced Drug Delivery Reviews, 2000, 42, 29-64.	6.6	565
3	Cell encapsulation: Promise and progress. Nature Medicine, 2003, 9, 104-107.	15.2	546
4	Alginate-based microcapsules for immunoisolation of pancreatic islets. Biomaterials, 2006, 27, 5603-5617.	5.7	467
5	Butyrate and other short-chain fatty acids as modulators of immunity: what relevance for health?. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 715-721.	1.3	368
6	History, challenges and perspectives of cell microencapsulation. Trends in Biotechnology, 2004, 22, 87-92.	4.9	333
7	Effect of the alginate composition on the biocompatibility of alginate-polylysine microcapsules. Biomaterials, 1997, 18, 273-278.	5.7	263
8	Improved biocompatibility but limited graft survival after purification of alginate for microencapsulation of pancreatic islets. Diabetologia, 1997, 40, 262-270.	2.9	257
9	Aged Gut Microbiota Contributes to Systemical Inflammaging after Transfer to Germ-Free Mice. Frontiers in Immunology, 2017, 8, 1385.	2.2	252
10	Polymers in cell encapsulation from an enveloped cell perspective. Advanced Drug Delivery Reviews, 2014, 67-68, 15-34.	6.6	237
11	Considerations for successful transplantation of encapsulated pancreatic islets. Diabetologia, 2002, 45, 159-173.	2.9	233
12	Uterine NK cells and macrophages in pregnancy. Placenta, 2017, 56, 44-52.	0.7	211
13	Why do microencapsulated islet grafts fail in the absence of fibrotic overgrowth?. Diabetes, 1999, 48, 1381-1388.	0.3	200
14	Multiscale requirements for bioencapsulation in medicine and biotechnology. Biomaterials, 2009, 30, 2559-2570.	5.7	198
15	Immune Modulation by Different Types of Î²2â†'1-Fructans Is Toll-Like Receptor Dependent. PLoS ONE, 2013, 8, e68367.	1.1	182
16	The Impact of Gut Microbiota on Gender-Specific Differences in Immunity. Frontiers in Immunology, 2017, 8, 754.	2.2	180
17	Monocytes and Macrophages in Pregnancy and Pre-Eclampsia. Frontiers in Immunology, 2014, 5, 298.	2.2	172
18	Impact of Bacterial Metabolites on Gut Barrier Function and Host Immunity: A Focus on Bacterial Metabolism and Its Relevance for Intestinal Inflammation. Frontiers in Immunology, 2021, 12, 658354.	2.2	171

#	Article	IF	Citations
19	Identification of Genetic Loci in Lactobacillus plantarum That Modulate the Immune Response of Dendritic Cells Using Comparative Genome Hybridization. PLoS ONE, 2010, 5, e10632.	1.1	170
20	Identification of Lactobacillus plantarum genes modulating the cytokine response of human peripheral blood mononuclear cells. BMC Microbiology, 2010, 10, 293.	1.3	162
21	Improvement of islet function in a bioartificial pancreas by enhanced oxygen supply and growth hormone releasing hormone agonist. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5022-5027.	3.3	160
22	Enhanced Oxygen Supply Improves Islet Viability in a New Bioartificial Pancreas. Cell Transplantation, 2013, 22, 1463-1476.	1.2	158
23	Cell encapsulation: technical and clinical advances. Trends in Pharmacological Sciences, 2015, 36, 537-546.	4.0	151
24	Immunological Properties of Inulin-Type Fructans. Critical Reviews in Food Science and Nutrition, 2015, 55, 414-436.	5.4	150
25	The effects of different dietary fiber pectin structures on the gastrointestinal immune barrier: impact via gut microbiota and direct effects on immune cells. Experimental and Molecular Medicine, 2020, 52, 1364-1376.	3.2	147
26	Extracellular ATP and adenosine: The Yin and Yang in immune responses?. Molecular Aspects of Medicine, 2017, 55, 9-19.	2.7	142
27	Immunological and Technical Considerations in Application of Alginate-Based Microencapsulation Systems. Frontiers in Bioengineering and Biotechnology, 2014, 2, 26.	2.0	138
28	Age-associated Impairment of the Mucus Barrier Function is Associated with Profound Changes in Microbiota and Immunity. Scientific Reports, 2019, 9, 1437.	1.6	138
29	ASSOCIATION BETWEEN CAPSULE DIAMETER, ADEQUACY OF ENCAPSULATION, AND SURVIVAL OF MICROENCAPSULATED RAT ISLET ALLOGRAFTS1. Transplantation, 1996, 62, 893-899.	0.5	135
30	Effects of Brain Death and Hemodynamic Status on Function and Immunologic Activation of the Potential Donor Liver in the Rat. Annals of Surgery, 2000, 232, 804-813.	2.1	131
31	Advances in biocompatibility and physico-chemical characterization of microspheres for cell encapsulation. Advanced Drug Delivery Reviews, 2014, 67-68, 111-130.	6.6	129
32	Encapsulation of pancreatic islets for transplantation in diabetes: the untouchable islets. Trends in Molecular Medicine, 2002, 8, 363-366.	3.5	127
33	Extracellular matrix molecules and their potential contribution to the function of transplanted pancreatic islets. Diabetologia, 2018, 61, 1261-1272.	2.9	124
34	Long-term biocompatibility, chemistry, and function of microencapsulated pancreatic islets. Biomaterials, 2003, 24, 305-312.	5.7	122
35	Specific inulinâ€type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis. Molecular Nutrition and Food Research, 2017, 61, 1601006.	1.5	121
36	Dietary Fiber Pectin Directly Blocks Toll-Like Receptor 2â€“1 and Prevents Doxorubicin-Induced Ileitis. Frontiers in Immunology, 2018, 9, 383.	2.2	119

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37	Zwitterionically modified alginates mitigate cellular overgrowth for cell encapsulation. Nature Communications, 2019, 10, 5262.	5.8	119
38	Factors influencing the properties and performance of microcapsules for immunoprotection of pancreatic islets. Journal of Molecular Medicine, 1999, 77, 199-205.	1.7	116
39	Cytokine Profiles in Crevicular Fluid During Orthodontic Tooth Movement of Short and Long Durations. Journal of Periodontology, 2007, 78, 453-458.	1.7	115
40	Non-digestible carbohydrates in infant formula as substitution for human milk oligosaccharide functions: Effects on microbiota and gut maturation. Critical Reviews in Food Science and Nutrition, 2019, 59, 1486-1497.	5.4	112
41	Sex and strain dependent differences in mucosal immunology and microbiota composition in mice. Biology of Sex Differences, 2018, 9, 26.	1.8	110
42	Extracellular matrix components supporting human islet function in alginateâ€based immunoprotective microcapsules for treatment of diabetes. Journal of Biomedical Materials Research - Part A, 2016, 104, 1788-1796.	2.1	106
43	INDUCTION OF ORGAN DYSFUNCTION AND UP-REGULATION OF INFLAMMATORY MARKERS IN THE LIVER AND KIDNEYS OF HYPOTENSIVE BRAIN DEAD RATS: A MODEL TO STUDY MARGINAL ORGAN DONORS1,2. Transplantation, 1999, 68, 1884-1890.	0.5	106
44	Fourier transform infrared spectroscopy studies of alginate-PLL capsules with varying compositions. Journal of Biomedical Materials Research Part B, 2003, 67A, 172-178.	3.0	105
45	Survival of encapsulated islets: More than a membrane story. World Journal of Transplantation, 2016, 6, 69.	0.6	105
46	The effect of age on the intestinal mucus thickness, microbiota composition and immunity in relation to sex in mice. PLoS ONE, 2017, 12, e0184274.	1.1	102
47	Drug and cell encapsulation: Alternative delivery options for the treatment of malignant brain tumors. Advanced Drug Delivery Reviews, 2014, 67-68, 142-153.	6.6	100
48	Chemistry and biocompatibility of alginate-PLL capsules for immunoprotection of mammalian cells. Journal of Biomedical Materials Research Part B, 2002, 60, 252-259.	3.0	99
49	Chemistry and the biological response against immunoisolating alginateâ€“polycation capsules of different composition. Biomaterials, 2006, 27, 4831-4839.	5.7	99
50	The Efficacy of an Immunoisolating Membrane System for Islet Xenotransplantation in Minipigs. PLoS ONE, 2013, 8, e70150.	1.1	99
51	Effects of pectin on fermentation characteristics, carbohydrate utilization, and microbial community composition in the gastrointestinal tract of weaning pigs. Molecular Nutrition and Food Research, 2017, 61, 1600186.	1.5	98
52	FACTORS INFLUENCING THE ADEQUACY OF MICROENCAPSULATION OF RAT PANCREATIC ISLETS1. Transplantation, 1996, 62, 888-893.	0.5	96
53	Innate immune cells in the placental bed in healthy pregnancy and preeclampsia. Placenta, 2018, 69, 125-133.	0.7	94
54	Pregnancy and Preeclampsia Affect Monocyte Subsets in Humans and Rats. PLoS ONE, 2012, 7, e45229.	1.1	93

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55	Toll-Like Receptor 2 Activation by Î²2â†'1-Fructans Protects Barrier Function of T84 Human Intestinal Epithelial Cells in a Chain Lengthâ€"Dependent Manner. Journal of Nutrition, 2014, 144, 1002-1008.	1.3	93
56	The impact of dietary fibers on dendritic cell responses in vitro is dependent on the differential effects of the fibers on intestinal epithelial cells. Molecular Nutrition and Food Research, 2015, 59, 698-710.	1.5	93
57	Acetate and Butyrate Improve Î²-cell Metabolism and Mitochondrial Respiration under Oxidative Stress. International Journal of Molecular Sciences, 2020, 21, 1542.	1.8	89
58	The Placenta in Toxicology. Part II. Toxicologic Pathology, 2014, 42, 327-338.	0.9	82
59	Identification of TLR2/TLR6 signalling lactic acid bacteria for supporting immune regulation. Scientific Reports, 2016, 6, 34561.	1.6	80
60	The impact of lemon pectin characteristics on TLR activation and T84 intestinal epithelial cell barrier function. Journal of Functional Foods, 2016, 22, 398-407.	1.6	79
61	Deletion of the tissue response against alginate-pll capsules by temporary release of co-encapsulated steroids. Biomaterials, 2005, 26, 2353-2360.	5.7	77
62	Factors influencing the mechanical stability of alginate beads applicable for immunoisolation of mammalian cells. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 196-208.	1.5	77
63	Lowâ€methoxyl lemon pectin attenuates inflammatory responses and improves intestinal barrier integrity in caeruleinâ€induced experimental acute pancreatitis. Molecular Nutrition and Food Research, 2017, 61, 1600885.	1.5	75
64	Tissue responses against immunoisolating alginate-PLL capsules in the immediate posttransplant period. Journal of Biomedical Materials Research Part B, 2002, 62, 430-437.	3.0	74
65	L. plantarum, L. salivarius, and L. lactis Attenuate Th2 Responses and Increase Treg Frequencies in Healthy Mice in a Strain Dependent Manner. PLoS ONE, 2012, 7, e47244.	1.1	73
66	Association between macrophage activation and function of micro-encapsulated rat islets. Diabetologia, 2003, 46, 666-673.	2.9	70
67	The effects of Lactobacillus plantarum on small intestinal barrier function and mucosal gene transcription; a randomized double-blind placebo controlled trial. Scientific Reports, 2017, 7, 40128.	1.6	69
68	More than sugar in the milk: human milk oligosaccharides as essential bioactive molecules in breast milk and current insight in beneficial effects. Critical Reviews in Food Science and Nutrition, 2021, 61, 1184-1200.	5.4	69
69	Sex differences in lipid metabolism are affected by presence of the gut microbiota. Scientific Reports, 2018, 8, 13426.	1.6	68
70	EFFICACY OF A PREVASCULARIZED EXPANDED POLYTETRAFLUOROETHYLENE SOLID SUPPORT SYSTEM AS A TRANSPLANTATION SITE FOR PANCREATIC ISLETS1. Transplantation, 1997, 63, 824-830.	0.5	68
71	Modulation of Intestinal Epithelial Glycocalyx Development by Human Milk Oligosaccharides and Nonâ€Digestible Carbohydrates. Molecular Nutrition and Food Research, 2019, 63, e1900303.	1.5	67
72	The role of pathogen-associated molecular patterns in inflammatory responses against alginate based microcapsules. Journal of Controlled Release, 2013, 172, 983-992.	4.8	65

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73	Riboflavin Supplementation in Patients with Crohnâ€™s Disease [the RISE-UP study]. Journal of Crohn's and Colitis, 2020, 14, 595-607.	0.6	63
74	Zetaâ€potentials of alginateâ€PLL capsules: A predictive measure for biocompatibility?. Journal of Biomedical Materials Research - Part A, 2007, 80A, 813-819.	2.1	62
75	Engineering a Clinically Translatable Bioartificial Pancreas to Treat Type I Diabetes. Trends in Biotechnology, 2018, 36, 445-456.	4.9	62
76	Long-term viability and function of transplanted islets macroencapsulated at high density are achieved by enhanced oxygen supply. Scientific Reports, 2018, 8, 6508.	1.6	61
77	Immunomodulatory Protein Hydrolysates and Their Application. Nutrients, 2018, 10, 904.	1.7	61
78	Polymeric Approaches to Reduce Tissue Responses Against Devices Applied for Islet-Cell Encapsulation. Frontiers in Bioengineering and Biotechnology, 2019, 7, 134.	2.0	61
79	Benefits of bacteria-derived exopolysaccharides on gastrointestinal microbiota, immunity and health. Journal of Functional Foods, 2021, 76, 104289.	1.6	61
80	Upscaling the production of microencapsulated pancreatic islets. Biomaterials, 1997, 18, 1085-1090.	5.7	60
81	DAMP production by human islets under low oxygen and nutrients in the presence or absence of an immunoisolating-capsule and necrostatin-1. Scientific Reports, 2015, 5, 14623.	1.6	60
82	A Brief Review on How Pregnancy and Sex Hormones Interfere with Taste and Food Intake. Chemosensory Perception, 2010, 3, 51-56.	0.7	59
83	Treatment of Diabetes with Encapsulated Islets. Advances in Experimental Medicine and Biology, 2010, 670, 38-53.	0.8	59
84	Î²2â†'1-Fructans Modulate the Immune System In Vivo in a Microbiota-Dependent andâ€‰-Independent Fashion. Frontiers in Immunology, 2017, 8, 154.	2.2	59
85	Laminin and collagen IV inclusion in immunoisolating microcapsules reduces cytokineâ€mediated cell death in human pancreatic islets. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 460-467.	1.3	59
86	Factors Influencing Insulin Secretion from Encapsulated Islets. Cell Transplantation, 2003, 12, 617-625.	1.2	56
87	Macrophage depletion improves survival of porcine neonatal pancreatic cell clusters contained in alginate macrocapsules transplanted into rats. Xenotransplantation, 2003, 10, 240-251.	1.6	55
88	A Technology Platform to Test the Efficacy of Purification of Alginate. Materials, 2014, 7, 2087-2103.	1.3	55
89	Role of Microbiota in Sexually Dimorphic Immunity. Frontiers in Immunology, 2018, 9, 1018.	2.2	55
90	THE EFFICACY OF INTRAPERITONEAL PANCREATIC ISLET ISOGRAFTS IN THE REVERSAL OF DIABETES IN RATS. Transplantation, 1991, 52, 777-783.	0.5	53

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91	Factors Influencing Functional Survival of Microencapsulated Islet Grafts. Cell Transplantation, 2004, 13, 515-524.	1.2	53
92	The association between inÂvivo physicochemical changes and inflammatory responses against alginate based microcapsules. Biomaterials, 2012, 33, 5552-5559.	5.7	53
93	Human umbilical vein endothelium-derived exosomes play a role in foetoplacental endothelial dysfunction in gestational diabetes mellitus. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 499-508.	1.8	51
94	A novel multilayer immunoisolating encapsulation system overcoming protrusion of cells. Scientific Reports, 2014, 4, 6856.	1.6	50
95	The Efficacy of a Prevascularized, Retrievable Poly(D,L,-lactide-co-Îµ-caprolactone) Subcutaneous Scaffold as Transplantation Site for Pancreatic Islets. Transplantation, 2017, 101, e112-e119.	0.5	50
96	Human Milk Oligosaccharides Differently Modulate Goblet Cells Under Homeostatic, Proinflammatory Conditions and ER Stress. Molecular Nutrition and Food Research, 2020, 64, e1900976.	1.5	50
97	Probiotics Can Generate FoxP3 T-Cell Responses in the Small Intestine and Simultaneously Inducing CD4 and CD8 T Cell Activation in the Large Intestine. PLoS ONE, 2013, 8, e68952.	1.1	50
98	Supplementation with Lactobacillus plantarum WCFS1 Prevents Decline of Mucus Barrier in Colon of Accelerated Aging Ercc1â˜'/Î”7 Mice. Frontiers in Immunology, 2016, 7, 408.	2.2	49
99	Particulate Î²â€glucans synergistically activate TLR4 and Dectinâ€1 in human dendritic cells. Molecular Nutrition and Food Research, 2016, 60, 2514-2522.	1.5	49
100	Inulin-Type Fructans Modulates Pancreaticâ€“Gut Innate Immune Responses and Gut Barrier Integrity during Experimental Acute Pancreatitis in a Chain Length-Dependent Manner. Frontiers in Immunology, 2017, 8, 1209.	2.2	48
101	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. Frontiers in Immunology, 2019, 10, 1733.	2.2	47
102	The Impact of Lactobacillus plantarum WCFS1 Teichoic Acid D-Alanylation on the Generation of Effector and Regulatory T-cells in Healthy Mice. PLoS ONE, 2013, 8, e63099.	1.1	47
103	Entrapment of dispersed pancreatic islet cells in CultiSpher-S macroporous gelatin microcarriers: Preparation, in vitro characterization, and microencapsulation. Biotechnology and Bioengineering, 2001, 75, 741-744.	1.7	46
104	IL-22-STAT3 Pathway Plays a Key Role in the Maintenance of Ileal Homeostasis in Mice Lacking Secreted Mucus Barrier. Inflammatory Bowel Diseases, 2015, 21, 531-542.	0.9	46
105	Maternal monocytes in pregnancy and preeclampsia in humans and in rats. Journal of Reproductive Immunology, 2017, 119, 91-97.	0.8	46
106	Human milk oligosaccharides and its acid hydrolysate LNT2 show immunomodulatory effects via TLRs in a dose and structure-dependent way. Journal of Functional Foods, 2019, 59, 174-184.	1.6	46
107	Altered monocyte function in experimental preeclampsia in the rat. American Journal of Obstetrics and Gynecology, 2004, 191, 1192-1198.	0.7	45
108	Lactic Acid Bacteria May Impact Intestinal Barrier Function by Modulating Goblet Cells. Molecular Nutrition and Food Research, 2018, 62, e1700572.	1.5	45

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109	LPS Promotes Pre-osteoclast Activity by Up-regulating CXCR4 via TLR-4. Journal of Dental Research, 2011, 90, 157-162.	2.5	44
110	Toward Engineering a Novel Transplantation Site for Human Pancreatic Islets. Diabetes, 2013, 62, 1357-1364.	0.3	44
111	Immune effects of Î²-glucan are determined by combined effects on Dectin-1, TLR2, 4 and 5. Journal of Functional Foods, 2017, 37, 433-440.	1.6	44
112	Advances and Barriers in Mammalian Cell Encapsulation for Treatment of Diabetes. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2006, 6, 139-153.	0.5	43
113	A Retrievable, Efficacious Polymeric Scaffold for Subcutaneous Transplantation of Rat Pancreatic Islets. Annals of Surgery, 2017, 266, 149-157.	2.1	43
114	Collagen type VI interaction improves human islet survival in immunoisolating microcapsules for treatment of diabetes. Islets, 2018, 10, 60-68.	0.9	43
115	Shaping the Infant Microbiome With Non-digestible Carbohydrates. Frontiers in Microbiology, 2019, 10, 343.	1.5	43
116	Weight gain in freshman college students and perceived health. Preventive Medicine Reports, 2015, 2, 229-234.	0.8	42
117	Intestinal barrier function is maintained with aging â€“ a comprehensive study in healthy subjects and irritable bowel syndrome patients. Scientific Reports, 2020, 10, 475.	1.6	42
118	Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Longâ€Chain Inulin Intake. Molecular Nutrition and Food Research, 2021, 65, e2000390.	1.5	42
119	Bioâ€electrospraying and Cell Electrospinning: Progress and Opportunities for Basic Biology and Clinical Sciences. Advanced Healthcare Materials, 2012, 1, 27-34.	3.9	41
120	Is there a role for exosomes in foetoplacental endothelial dysfunction in gestational diabetes mellitus?. Placenta, 2018, 61, 48-54.	0.7	41
121	The Impact of Pectin Supplementation on Intestinal Barrier Function in Healthy Young Adults and Healthy Elderly. Nutrients, 2019, 11, 1554.	1.7	41
122	Towards stem-cell therapy in the endocrine pancreas. Trends in Molecular Medicine, 2007, 13, 164-173.	3.5	40
123	Fetoplacental endothelial exosomes modulate high d -glucose-induced endothelial dysfunction. Placenta, 2018, 66, 26-35.	0.7	40
124	Adsorption of human immunoglobulin to implantable alginateâ€polyâ€<scp>L</scp>â€lysine microcapsules: Effect of microcapsule composition. Journal of Biomedical Materials Research - Part A, 2009, 89A, 609-615.	2.1	39
125	Therapeutic Strategies for Modulating the Extracellular Matrix to Improve Pancreatic Islet Function and Survival After Transplantation. Current Diabetes Reports, 2018, 18, 39.	1.7	39
126	Endo-glucanase digestion of oat Î²-Glucan enhances Dectin-1 activation in human dendritic cells. Journal of Functional Foods, 2016, 21, 104-112.	1.6	38

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127	Chain lengthâ€dependent effects of inulinâ€type fructan dietary fiber on human systemic immune responses against hepatitisâ€B. Molecular Nutrition and Food Research, 2017, 61, 1700171.	1.5	38
128	Immunological Challenges Facing Translation of Alginate Encapsulated Porcine Islet Xenotransplantation to Human Clinical Trials. Methods in Molecular Biology, 2017, 1479, 305-333.	0.4	38
129	Impact of Lactobacillus plantarum Sortase on Target Protein Sorting, Gastrointestinal Persistence, and Host Immune Response Modulation. Journal of Bacteriology, 2013, 195, 502-509.	1.0	37
130	Reduction of the Inflammatory Responses against Alginate-Poly-L-Lysine Microcapsules by Anti-Biofouling Surfaces of PEG-b-PLL Diblock Copolymers. PLoS ONE, 2014, 9, e109837.	1.1	37
131	Arabinoxylan activates Dectinâ€1 and modulates particulate Î²â€glucanâ€induced Dectinâ€1 activation. Molecular Nutrition and Food Research, 2016, 60, 458-467.	1.5	37
132	A Combined Set of Four Serum Inflammatory Biomarkers Reliably Predicts Endoscopic Disease Activity in Inflammatory Bowel Disease. Frontiers in Medicine, 2019, 6, 251.	1.2	37
133	Microbiota Induced Changes in the Immune Response in Pregnant Mice. Frontiers in Immunology, 2019, 10, 2976.	2.2	37
134	Low methyl-esterified pectin protects pancreatic Î²-cells against diabetes-induced oxidative and inflammatory stress via galectin-3. Carbohydrate Polymers, 2020, 249, 116863.	5.1	37
135	Danger Signals From ATP and Adenosine in Pregnancy and Preeclampsia. Hypertension, 2014, 63, 1154-1160.	1.3	36
136	Pectin Interaction with Immune Receptors is Modulated by Ripening Process in Papayas. Scientific Reports, 2020, 10, 1690.	1.6	36
137	Considerations in binding diblock copolymers on hydrophilic alginate beads for providing an immunoprotective membrane. Journal of Biomedical Materials Research - Part A, 2014, 102, 1887-1896.	2.1	35
138	Sugar Beet Pectin Supplementation Did Not Alter Profiles of Fecal Microbiota and Exhaled Breath in Healthy Young Adults and Healthy Elderly. Nutrients, 2019, 11, 2193.	1.7	35
139	Toll-like receptor mediated activation is possibly involved in immunoregulating properties of cow's milk hydrolysates. PLoS ONE, 2017, 12, e0178191.	1.1	35
140	Immunomodulating properties of protein hydrolysates for application in cow's milk allergy. Pediatric Allergy and Immunology, 2015, 26, 206-217.	1.1	34
141	Lactobacillus acidophilus Attenuates Salmonella-Induced Stress of Epithelial Cells by Modulating Tight-Junction Genes and Cytokine Responses. Frontiers in Microbiology, 2018, 9, 1439.	1.5	34
142	Toll-like receptor 2-modulating pectin-polymers in alginate-based microcapsules attenuate immune responses and support islet-xenograft survival. Biomaterials, 2021, 266, 120460.	5.7	34
143	Increased fecal calprotectin levels in Crohnâ€™s disease correlate with elevated serum Th1- and Th17-associated cytokines. PLoS ONE, 2018, 13, e0193202.	1.1	34
144	Overexpression of osteoprotegerin promotes preosteoblast differentiation to mature osteoblasts. Angle Orthodontist, 2011, 81, 100-106.	1.1	33

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145	Extracellular ATP decreases trophoblast invasion, spiral artery remodeling and immune cells in the mesometrial triangle in pregnant rats. Placenta, 2014, 35, 587-595.	0.7	33
146	Resistant starches differentially stimulate Tollâ€like receptors and attenuate proinflammatory cytokines in dendritic cells by modulation of intestinal epithelial cells. Molecular Nutrition and Food Research, 2015, 59, 1814-1826.	1.5	33
147	Factors Influencing Isolation of Functional Pancreatic Rat Islets. Pancreas, 2004, 29, e15-e22.	0.5	32
148	Immunological Adaptations to Pregnancy in Women with Type 1 Diabetes. Scientific Reports, 2015, 5, 13618.	1.6	31
149	Dietary Nâ€Glycans from Bovine Lactoferrin and TLR Modulation. Molecular Nutrition and Food Research, 2018, 62, 1700389.	1.5	31
150	Identification of Commensal Species Positively Correlated with Early Stress Responses to a Compromised Mucus Barrier. Inflammatory Bowel Diseases, 2016, 22, 826-840.	0.9	30
151	An immune regulatory 3D-printed alginate-pectin construct for immunoisolation of insulin producing Î²-cells. Materials Science and Engineering C, 2021, 123, 112009.	3.8	30
152	C-Peptide responses after meal challenge in mice transplanted with microencapsulated rat islets. Diabetologia, 2001, 44, 646-653.	2.9	28
153	Susceptibility of Human Pancreatic Î² Cells for Cytomegalovirus Infection and the Effects on Cellular Immunogenicity. Pancreas, 2012, 41, 39-49.	0.5	28
154	Selection of polymers for application in scaffolds applicable for human pancreatic islet transplantation. Biomedical Materials (Bristol), 2016, 11, 035006.	1.7	28
155	Impact of dietary fibers in infant formulas on gut microbiota and the intestinal immune barrier. Food and Function, 2020, 11, 9445-9467.	2.1	27
156	Effects of Different Human Milk Oligosaccharides on Growth of Bifidobacteria in Monoculture and Co-culture With Faecalibacterium prausnitzii. Frontiers in Microbiology, 2020, 11, 569700.	1.5	27
157	Enzymes for Pancreatic Islet Isolation Impact Chemokine-Production and Polarization of Insulin-Producing Î²-Cells with Reduced Functional Survival of Immunoisolated Rat Islet-Allografts as a Consequence. PLoS ONE, 2016, 11, e0147992.	1.1	27
158	Integrity of Airway Epithelium Is Essential Against Obliterative Airway Disease in Transplanted Rat Tracheas. Journal of Heart and Lung Transplantation, 2005, 24, 882-890.	0.3	26
159	Extracellular ATP induces albuminuria in pregnant rats. Nephrology Dialysis Transplantation, 2010, 25, 2468-2478.	0.4	26
160	Structural surface changes and inflammatory responses against alginateâ€based microcapsules after exposure to human peritoneal fluid. Journal of Biomedical Materials Research - Part A, 2011, 98A, 394-403.	2.1	26
161	Sex impacts Th1 cells, Tregs, and DCs in both intestinal and systemic immunity in a mouse strain and location-dependent manner. Biology of Sex Differences, 2016, 7, 21.	1.8	26
162	Partially hydrolyzed whey proteins prevent clinical symptoms in a cow's milk allergy mouse model and enhance regulatory T and B cell frequencies. Molecular Nutrition and Food Research, 2017, 61, 1700340.	1.5	26

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163	Frontline Science: Tryptophan restriction arrests B cell development and enhances microbial diversity in WT and prematurely aging Ercc1â^'/Î”7 mice. Journal of Leukocyte Biology, 2017, 101, 811-821.	1.5	26
164	Phenotypic and functional translation of IL1RL1 locus polymorphisms in lung tissue and asthmatic airway epithelium. JCI Insight, 2020, 5, .	2.3	26
165	Stimulation of vascularization of a subcutaneous scaffold applicable for pancreatic isletâ€transplantation enhances immediate postâ€transplant islet graft function but not longâ€term normoglycemia. Journal of Biomedical Materials Research - Part A, 2017, 105, 2533-2542.	2.1	25
166	Lactobacillus plantarum Strains Can Enhance Human Mucosal and Systemic Immunity and Prevent Non-steroidal Anti-inflammatory Drug Induced Reduction in T Regulatory Cells. Frontiers in Immunology, 2017, 8, 1000.	2.2	25
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