

Paul De Vos

List of Publications by Citations

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273
papers

12,312
citations

57
h-index

100
g-index

288
ext. papers

14,475
ext. citations

6.3
avg, IF

6.76
L-index

#	Paper	IF	Citations
273	Encapsulation for preservation of functionality and targeted delivery of bioactive food components. <i>International Dairy Journal</i> , 2010 , 20, 292-302	3.5	516
272	Technology of mammalian cell encapsulation. <i>Advanced Drug Delivery Reviews</i> , 2000 , 42, 29-64	18.5	514
271	Cell encapsulation: promise and progress. <i>Nature Medicine</i> , 2003 , 9, 104-7	50.5	495
270	Alginate-based microcapsules for immunoisolation of pancreatic islets. <i>Biomaterials</i> , 2006 , 27, 5603-17	15.6	421
269	History, challenges and perspectives of cell microencapsulation. <i>Trends in Biotechnology</i> , 2004 , 22, 87-92	15.1	294
268	Butyrate and other short-chain fatty acids as modulators of immunity: what relevance for health?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010 , 13, 715-21	3.8	281
267	Effect of the alginate composition on the biocompatibility of alginate-polylysine microcapsules. <i>Biomaterials</i> , 1997 , 18, 273-8	15.6	242
266	Improved biocompatibility but limited graft survival after purification of alginate for microencapsulation of pancreatic islets. <i>Diabetologia</i> , 1997 , 40, 262-70	10.3	240
265	Considerations for successful transplantation of encapsulated pancreatic islets. <i>Diabetologia</i> , 2002 , 45, 159-73	10.3	214
264	Polymers in cell encapsulation from an enveloped cell perspective. <i>Advanced Drug Delivery Reviews</i> , 2014 , 67-68, 15-34	18.5	207
263	Multiscale requirements for bioencapsulation in medicine and biotechnology. <i>Biomaterials</i> , 2009 , 30, 2559-70	15.6	180
262	Why do microencapsulated islet grafts fail in the absence of fibrotic overgrowth?. <i>Diabetes</i> , 1999 , 48, 1381-8	0.9	176
261	Aged Gut Microbiota Contributes to Systemical Inflammation after Transfer to Germ-Free Mice. <i>Frontiers in Immunology</i> , 2017 , 8, 1385	8.4	159
260	Improvement of islet function in a bioartificial pancreas by enhanced oxygen supply and growth hormone releasing hormone agonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5022-7	11.5	145
259	Identification of genetic loci in <i>Lactobacillus plantarum</i> that modulate the immune response of dendritic cells using comparative genome hybridization. <i>PLoS ONE</i> , 2010 , 5, e10632	3.7	144
258	Identification of <i>Lactobacillus plantarum</i> genes modulating the cytokine response of human peripheral blood mononuclear cells. <i>BMC Microbiology</i> , 2010 , 10, 293	4.5	137
257	Uterine NK cells and macrophages in pregnancy. <i>Placenta</i> , 2017 , 56, 44-52	3.4	134

256	Immune modulation by different types of D-fructans is toll-like receptor dependent. <i>PLoS ONE</i> , 2013 , 8, e68367	3.7	134
255	Enhanced oxygen supply improves islet viability in a new bioartificial pancreas. <i>Cell Transplantation</i> , 2013 , 22, 1463-76	4	129
254	Cell encapsulation: technical and clinical advances. <i>Trends in Pharmacological Sciences</i> , 2015 , 36, 537-46	13.2	119
253	Association between capsule diameter, adequacy of encapsulation, and survival of microencapsulated rat islet allografts. <i>Transplantation</i> , 1996 , 62, 893-9	1.8	119
252	Effects of brain death and hemodynamic status on function and immunologic activation of the potential donor liver in the rat. <i>Annals of Surgery</i> , 2000 , 232, 804-13	7.8	116
251	Long-term biocompatibility, chemistry, and function of microencapsulated pancreatic islets. <i>Biomaterials</i> , 2003 , 24, 305-12	15.6	115
250	Monocytes and macrophages in pregnancy and pre-eclampsia. <i>Frontiers in Immunology</i> , 2014 , 5, 298	8.4	113
249	Encapsulation of pancreatic islets for transplantation in diabetes: the untouchable islets. <i>Trends in Molecular Medicine</i> , 2002 , 8, 363-6	11.5	112
248	Immunological properties of inulin-type fructans. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 414-36	11.5	109
247	Advances in biocompatibility and physico-chemical characterization of microspheres for cell encapsulation. <i>Advanced Drug Delivery Reviews</i> , 2014 , 67-68, 111-30	18.5	108
246	Factors influencing the properties and performance of microcapsules for immunoprotection of pancreatic islets. <i>Journal of Molecular Medicine</i> , 1999 , 77, 199-205	5.5	105
245	Immunological and technical considerations in application of alginate-based microencapsulation systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014 , 2, 26	5.8	103
244	The Impact of Gut Microbiota on Gender-Specific Differences in Immunity. <i>Frontiers in Immunology</i> , 2017 , 8, 754	8.4	102
243	Cytokine profiles in crevicular fluid during orthodontic tooth movement of short and long durations. <i>Journal of Periodontology</i> , 2007 , 78, 453-8	4.6	97
242	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 donors. <i>Transplantation</i> , 1999 , 68, 1884-90	1.8	96
241	Chemistry and the biological response against immunisolating alginate-polycation capsules of different composition. <i>Biomaterials</i> , 2006 , 27, 4831-9	15.6	94
240	Extracellular ATP and adenosine: The Yin and Yang in immune responses?. <i>Molecular Aspects of Medicine</i> , 2017 , 55, 9-19	16.7	92
239	Chemistry and biocompatibility of alginate-PLL capsules for immunoprotection of mammalian cells. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 60, 252-9		90

238	Fourier transform infrared spectroscopy studies of alginate-PLL capsules with varying compositions. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 67, 172-8		90
237	Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1601006	5.9	89
236	The efficacy of an immunoisolating membrane system for islet xenotransplantation in minipigs. <i>PLoS ONE</i> , 2013 , 8, e70150	3.7	86
235	Drug and cell encapsulation: alternative delivery options for the treatment of malignant brain tumors. <i>Advanced Drug Delivery Reviews</i> , 2014 , 67-68, 142-53	18.5	85
234	Factors influencing the adequacy of microencapsulation of rat pancreatic islets. <i>Transplantation</i> , 1996 , 62, 888-93	1.8	85
233	Survival of encapsulated islets: More than a membrane story. <i>World Journal of Transplantation</i> , 2016 , 6, 69-90	2.3	81
232	Extracellular matrix components supporting human islet function in alginate-based immunoprotective microcapsules for treatment of diabetes. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1788-96	5.4	77
231	Extracellular matrix molecules and their potential contribution to the function of transplanted pancreatic islets. <i>Diabetologia</i> , 2018 , 61, 1261-1272	10.3	75
230	Deletion of the tissue response against alginate-PLL capsules by temporary release of co-encapsulated steroids. <i>Biomaterials</i> , 2005 , 26, 2353-60	15.6	74
229	Age-associated Impairment of the Mucus Barrier Function is Associated with Profound Changes in Microbiota and Immunity. <i>Scientific Reports</i> , 2019 , 9, 1437	4.9	71
228	Tissue responses against immunoisolating alginate-PLL capsules in the immediate posttransplant period. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 62, 430-7		71
227	Dietary Fiber Pectin Directly Blocks Toll-Like Receptor 2-1 and Prevents Doxorubicin-Induced Ileitis. <i>Frontiers in Immunology</i> , 2018 , 9, 383	8.4	69
226	The placenta in toxicology. Part II: Systemic and local immune adaptations in pregnancy. <i>Toxicologic Pathology</i> , 2014 , 42, 327-38	2.1	68
225	Toll-like receptor 2 activation by β -1-fructans protects barrier function of T84 human intestinal epithelial cells in a chain length-dependent manner. <i>Journal of Nutrition</i> , 2014 , 144, 1002-8	4.1	68
224	Pregnancy and preeclampsia affect monocyte subsets in humans and rats. <i>PLoS ONE</i> , 2012 , 7, e45229	3.7	68
223	Non-digestible carbohydrates in infant formula as substitution for human milk oligosaccharide functions: Effects on microbiota and gut maturation. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, 1486-1497	11.5	65
222	The impact of dietary fibers on dendritic cell responses in vitro is dependent on the differential effects of the fibers on intestinal epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 698-710	5.9	64
221	Association between macrophage activation and function of micro-encapsulated rat islets. <i>Diabetologia</i> , 2003 , 46, 666-73	10.3	63

220	Efficacy of a prevascularized expanded polytetrafluoroethylene solid support system as a transplantation site for pancreatic islets. <i>Transplantation</i> , 1997 , 63, 824-30	1.8	62
219	Effects of pectin on fermentation characteristics, carbohydrate utilization, and microbial community composition in the gastrointestinal tract of weaning pigs. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600186	5.9	61
218	Zwitterionically modified alginates mitigate cellular overgrowth for cell encapsulation. <i>Nature Communications</i> , 2019 , 10, 5262	17.4	61
217	<i>L. plantarum</i> , <i>L. salivarius</i> , and <i>L. lactis</i> attenuate Th2 responses and increase Treg frequencies in healthy mice in a strain dependent manner. <i>PLoS ONE</i> , 2012 , 7, e47244	3.7	58
216	Innate immune cells in the placental bed in healthy pregnancy and preeclampsia. <i>Placenta</i> , 2018 , 69, 125-133	3.4	57
215	Identification of TLR2/TLR6 signalling lactic acid bacteria for supporting immune regulation. <i>Scientific Reports</i> , 2016 , 6, 34561	4.9	56
214	Factors influencing the mechanical stability of alginate beads applicable for immunoisolation of mammalian cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 37, 196-208	4.1	56
213	Upscaling the production of microencapsulated pancreatic islets. <i>Biomaterials</i> , 1997 , 18, 1085-90	15.6	56
212	The effect of age on the intestinal mucus thickness, microbiota composition and immunity in relation to sex in mice. <i>PLoS ONE</i> , 2017 , 12, e0184274	3.7	56
211	The role of pathogen-associated molecular patterns in inflammatory responses against alginate based microcapsules. <i>Journal of Controlled Release</i> , 2013 , 172, 983-92	11.7	55
210	The impact of lemon pectin characteristics on TLR activation and T84 intestinal epithelial cell barrier function. <i>Journal of Functional Foods</i> , 2016 , 22, 398-407	5.1	54
209	Zeta-potentials of alginate-PLL capsules: a predictive measure for biocompatibility?. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 813-9	5.4	54
208	Factors influencing insulin secretion from encapsulated islets. <i>Cell Transplantation</i> , 2003 , 12, 617-25	4	54
207	The effects of <i>Lactobacillus plantarum</i> on small intestinal barrier function and mucosal gene transcription; a randomized double-blind placebo controlled trial. <i>Scientific Reports</i> , 2017 , 7, 40128	4.9	51
206	Sex and strain dependent differences in mucosal immunology and microbiota composition in mice. <i>Biology of Sex Differences</i> , 2018 , 9, 26	9.3	51
205	Factors influencing functional survival of microencapsulated islet grafts. <i>Cell Transplantation</i> , 2004 , 13, 515-24	4	51
204	Macrophage depletion improves survival of porcine neonatal pancreatic cell clusters contained in alginate macrocapsules transplanted into rats. <i>Xenotransplantation</i> , 2003 , 10, 240-51	2.8	51
203	The effects of different dietary fiber pectin structures on the gastrointestinal immune barrier: impact via gut microbiota and direct effects on immune cells. <i>Experimental and Molecular Medicine</i> , 2020 , 52, 1364-1376	12.8	51

202	The association between in vivo physicochemical changes and inflammatory responses against alginate based microcapsules. <i>Biomaterials</i> , 2012 , 33, 5552-9	15.6	50
201	Treatment of diabetes with encapsulated islets. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 670, 38-53	3.6	50
200	A Technology Platform to Test the Efficacy of Purification of Alginate. <i>Materials</i> , 2014 , 7, 2087-2103	3.5	49
199	DAMP production by human islets under low oxygen and nutrients in the presence or absence of an immunisolating-capsule and necrostatin-1. <i>Scientific Reports</i> , 2015 , 5, 14623	4.9	46
198	Engineering a Clinically Translatable Bioartificial Pancreas to Treat Type I Diabetes. <i>Trends in Biotechnology</i> , 2018 , 36, 445-456	15.1	45
197	The efficacy of intraperitoneal pancreatic islet isografts in the reversal of diabetes in rats. <i>Transplantation</i> , 1991 , 52, 777-83	1.8	44
196	A Brief Review on How Pregnancy and Sex Hormones Interfere with Taste and Food Intake. <i>Chemosensory Perception</i> , 2010 , 3, 51-56	1.2	43
195	Entrapment of dispersed pancreatic islet cells in CultiSpher-S macroporous gelatin microcarriers: Preparation, in vitro characterization, and microencapsulation. <i>Biotechnology and Bioengineering</i> , 2001 , 75, 741-4	4.9	43
194	Low-methoxyl lemon pectin attenuates inflammatory responses and improves intestinal barrier integrity in caerulein-induced experimental acute pancreatitis. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600885	5.9	41
193	Altered monocyte function in experimental preeclampsia in the rat. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 191, 1192-8	6.4	41
192	Modulation of Intestinal Epithelial Glycocalyx Development by Human Milk Oligosaccharides and Non-Digestible Carbohydrates. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900303	5.9	40
191	A novel multilayer immunisolating encapsulation system overcoming protrusion of cells. <i>Scientific Reports</i> , 2014 , 4, 6856	4.9	40
190	Toward engineering a novel transplantation site for human pancreatic islets. <i>Diabetes</i> , 2013 , 62, 1357-64	6.9	39
189	Sex differences in lipid metabolism are affected by presence of the gut microbiota. <i>Scientific Reports</i> , 2018 , 8, 13426	4.9	39
188	IL-22-STAT3 pathway plays a key role in the maintenance of ileal homeostasis in mice lacking secreted mucus barrier. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 531-42	4.5	38
187	Immunomodulatory Protein Hydrolysates and Their Application. <i>Nutrients</i> , 2018 , 10,	6.7	38
186	A Retrievable, Efficacious Polymeric Scaffold for Subcutaneous Transplantation of Rat Pancreatic Islets. <i>Annals of Surgery</i> , 2017 , 266, 149-157	7.8	37
185	Long-term viability and function of transplanted islets macroencapsulated at high density are achieved by enhanced oxygen supply. <i>Scientific Reports</i> , 2018 , 8, 6508	4.9	37

184	The impact of <i>Lactobacillus plantarum</i> WCFS1 teichoic acid D-alanylation on the generation of effector and regulatory T-cells in healthy mice. <i>PLoS ONE</i> , 2013 , 8, e63099	3.7	37
183	Human umbilical vein endothelium-derived exosomes play a role in foetoplacental endothelial dysfunction in gestational diabetes mellitus. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 499-508	6.9	37
182	Acetate and Butyrate Improve Cell Metabolism and Mitochondrial Respiration under Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	36
181	Laminin and collagen IV inclusion in immunoisolating microcapsules reduces cytokine-mediated cell death in human pancreatic islets. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 460-467	4.4	36
180	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. <i>Frontiers in Immunology</i> , 2019 , 10, 1733	8.4	36
179	Fructans Modulate the Immune System in a Microbiota-Dependent and -Independent Fashion. <i>Frontiers in Immunology</i> , 2017 , 8, 154	8.4	36
178	Adsorption of human immunoglobulin to implantable alginate-poly-L-lysine microcapsules: effect of microcapsule composition. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 89, 609-15	5.4	36
177	The Efficacy of a Prevascularized, Retrievable Poly(D,L-lactide-co-ε-caprolactone) Subcutaneous Scaffold as Transplantation Site for Pancreatic Islets. <i>Transplantation</i> , 2017 , 101, e112-e119	1.8	35
176	Role of Microbiota in Sexually Dimorphic Immunity. <i>Frontiers in Immunology</i> , 2018 , 9, 1018	8.4	35
175	Reduction of the inflammatory responses against alginate-poly-L-lysine microcapsules by anti-biofouling surfaces of PEG-b-PLL diblock copolymers. <i>PLoS ONE</i> , 2014 , 9, e109837	3.7	34
174	Bio-electrospraying and cell electrospinning: progress and opportunities for basic biology and clinical sciences. <i>Advanced Healthcare Materials</i> , 2012 , 1, 27-34	10.1	34
173	Advances and Barriers in Mammalian Cell Encapsulation for Treatment of Diabetes. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2006 , 6, 139-153		34
172	Supplementation with WCFS1 Prevents Decline of Mucus Barrier in Colon of Accelerated Aging Mice. <i>Frontiers in Immunology</i> , 2016 , 7, 408	8.4	34
171	Shaping the Infant Microbiome With Non-digestible Carbohydrates. <i>Frontiers in Microbiology</i> , 2019 , 10, 343	5.7	33
170	Impact of <i>Lactobacillus plantarum</i> sortase on target protein sorting, gastrointestinal persistence, and host immune response modulation. <i>Journal of Bacteriology</i> , 2013 , 195, 502-9	3.5	33
169	Is there a role for exosomes in foetoplacental endothelial dysfunction in gestational diabetes mellitus?. <i>Placenta</i> , 2018 , 61, 48-54	3.4	33
168	LPS promotes pre-osteoclast activity by up-regulating CXCR4 via TLR-4. <i>Journal of Dental Research</i> , 2011 , 90, 157-62	8.1	32
167	Towards stem-cell therapy in the endocrine pancreas. <i>Trends in Molecular Medicine</i> , 2007 , 13, 164-73	11.5	32

166	Probiotics can generate FoxP3 T-cell responses in the small intestine and simultaneously inducing CD4 and CD8 T cell activation in the large intestine. <i>PLoS ONE</i> , 2013 , 8, e68952	3.7	32
165	Polymeric Approaches to Reduce Tissue Responses Against Devices Applied for Islet-Cell Encapsulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 134	5.8	31
164	Weight gain in freshman college students and perceived health. <i>Preventive Medicine Reports</i> , 2015 , 2, 229-34	2.6	31
163	Considerations in binding diblock copolymers on hydrophilic alginate beads for providing an immunoprotective membrane. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 1887-96	5.4	31
162	Human Milk Oligosaccharides Differently Modulate Goblet Cells Under Homeostatic, Proinflammatory Conditions and ER Stress. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900976	5.9	31
161	More than sugar in the milk: human milk oligosaccharides as essential bioactive molecules in breast milk and current insight in beneficial effects. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 61, 1184-1200 ³¹	11.5	31
160	Human milk oligosaccharides and its acid hydrolysate LNT2 show immunomodulatory effects via TLRs in a dose and structure-dependent way. <i>Journal of Functional Foods</i> , 2019 , 59, 174-184	5.1	30
159	Immunological Challenges Facing Translation of Alginate Encapsulated Porcine Islet Xenotransplantation to Human Clinical Trials. <i>Methods in Molecular Biology</i> , 2017 , 1479, 305-333	1.4	30
158	Impact of Bacterial Metabolites on Gut Barrier Function and Host Immunity: A Focus on Bacterial Metabolism and Its Relevance for Intestinal Inflammation. <i>Frontiers in Immunology</i> , 2021 , 12, 658354	8.4	30
157	Arabinoxylan activates Dectin-1 and modulates particulate β glucan-induced Dectin-1 activation. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 458-67	5.9	30
156	Inulin-Type Fructans Modulates Pancreatic-Gut Innate Immune Responses and Gut Barrier Integrity during Experimental Acute Pancreatitis in a Chain Length-Dependent Manner. <i>Frontiers in Immunology</i> , 2017 , 8, 1209	8.4	29
155	Danger signals from ATP and adenosine in pregnancy and preeclampsia. <i>Hypertension</i> , 2014 , 63, 1154-608.5	5	29
154	Particulate β glucans synergistically activate TLR4 and Dectin-1 in human dendritic cells. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2514-2522	5.9	28
153	Immune effects of β glucan are determined by combined effects on Dectin-1, TLR2, 4 and 5. <i>Journal of Functional Foods</i> , 2017 , 37, 433-440	5.1	28
152	Immunomodulating properties of protein hydrolysates for application in cow's milk allergy. <i>Pediatric Allergy and Immunology</i> , 2015 , 26, 206-217	4.2	28
151	C-peptide responses after meal challenge in mice transplanted with microencapsulated rat islets. <i>Diabetologia</i> , 2001 , 44, 646-53	10.3	28
150	Toll-like receptor mediated activation is possibly involved in immunoregulating properties of cow's milk hydrolysates. <i>PLoS ONE</i> , 2017 , 12, e0178191	3.7	28
149	Chain length-dependent effects of inulin-type fructan dietary fiber on human systemic immune responses against hepatitis-B. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700171	5.9	27

148	The Impact of Pectin Supplementation on Intestinal Barrier Function in Healthy Young Adults and Healthy Elderly. <i>Nutrients</i> , 2019 , 11,	6.7	27
147	Maternal monocytes in pregnancy and preeclampsia in humans and in rats. <i>Journal of Reproductive Immunology</i> , 2017 , 119, 91-97	4.2	27
146	Overexpression of osteoprotegerin promotes preosteoblast differentiation to mature osteoblasts. <i>Angle Orthodontist</i> , 2011 , 81, 100-106	2.6	27
145	Factors influencing isolation of functional pancreatic rat islets. <i>Pancreas</i> , 2004 , 29, e15-22	2.6	27
144	Structural surface changes and inflammatory responses against alginate-based microcapsules after exposure to human peritoneal fluid. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 98, 394-403	5.4	26
143	Fetoplacental endothelial exosomes modulate high d-glucose-induced endothelial dysfunction. <i>Placenta</i> , 2018 , 66, 26-35	3.4	26
142	Therapeutic Strategies for Modulating the Extracellular Matrix to Improve Pancreatic Islet Function and Survival After Transplantation. <i>Current Diabetes Reports</i> , 2018 , 18, 39	5.6	26
141	Resistant starches differentially stimulate Toll-like receptors and attenuate proinflammatory cytokines in dendritic cells by modulation of intestinal epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1814-26	5.9	25
140	Collagen type VI interaction improves human islet survival in immunoisolating microcapsules for treatment of diabetes. <i>Islets</i> , 2018 , 10, 60-68	2	25
139	Endo-glucanase digestion of oat β -glucan enhances Dectin-1 activation in human dendritic cells. <i>Journal of Functional Foods</i> , 2016 , 21, 104-112	5.1	25
138	Lactic Acid Bacteria May Impact Intestinal Barrier Function by Modulating Goblet Cells. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1700572	5.9	24
137	Riboflavin Supplementation in Patients with Crohn's Disease [the RISE-UP study]. <i>Journal of Crohns and Colitis</i> , 2020 , 14, 595-607	1.5	23
136	Attenuates β -Induced Stress of Epithelial Cells by Modulating Tight-Junction Genes and Cytokine Responses. <i>Frontiers in Microbiology</i> , 2018 , 9, 1439	5.7	22
135	Partially hydrolyzed whey proteins prevent clinical symptoms in a cow's milk allergy mouse model and enhance regulatory T and B cell frequencies. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700340	5.8	22
134	Extracellular ATP induces albuminuria in pregnant rats. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 2468-78	4.3	22
133	The efficacy of alginate encapsulated CHO-K1 single chain-TRAIL producer cells in the treatment of brain tumors. <i>Journal of Neuro-Oncology</i> , 2006 , 78, 31-9	4.8	22
132	Induction of organ dysfunction and activation of inflammatory markers in donor liver and kidney during hypotensive brain death. <i>Transplantation Proceedings</i> , 1999 , 31, 1006-7	1.1	22
131	Sugar Beet Pectin Supplementation Did Not Alter Profiles of Fecal Microbiota and Exhaled Breath in Healthy Young Adults and Healthy Elderly. <i>Nutrients</i> , 2019 , 11,	6.7	21

130	Identification of Commensal Species Positively Correlated with Early Stress Responses to a Compromised Mucus Barrier. <i>Inflammatory Bowel Diseases</i> , 2016 , 22, 826-40	4.5	21
129	Recent developments in basophil research: do basophils initiate and perpetuate type 2 T-helper cell responses?. <i>International Archives of Allergy and Immunology</i> , 2013 , 160, 7-17	3.7	21
128	Cytotoxicity study of novel water-soluble chitosan derivatives applied as membrane material of alginate microcapsules. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1907-14	5.4	21
127	Susceptibility of human pancreatic β cells for cytomegalovirus infection and the effects on cellular immunogenicity. <i>Pancreas</i> , 2012 , 41, 39-49	2.6	21
126	Enzymes for Pancreatic Islet Isolation Impact Chemokine-Production and Polarization of Insulin-Producing β Cells with Reduced Functional Survival of Immunoisolated Rat Islet-Allografts as a Consequence. <i>PLoS ONE</i> , 2016 , 11, e0147992	3.7	21
125	Selection of polymers for application in scaffolds applicable for human pancreatic islet transplantation. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 035006	3.5	21
124	Pectin Interaction with Immune Receptors is Modulated by Ripening Process in Papayas. <i>Scientific Reports</i> , 2020 , 10, 1690	4.9	20
123	A Combined Set of Four Serum Inflammatory Biomarkers Reliably Predicts Endoscopic Disease Activity in Inflammatory Bowel Disease. <i>Frontiers in Medicine</i> , 2019 , 6, 251	4.9	20
122	Extracellular ATP decreases trophoblast invasion, spiral artery remodeling and immune cells in the mesometrial triangle in pregnant rats. <i>Placenta</i> , 2014 , 35, 587-95	3.4	20
121	Immunological Adaptations to Pregnancy in Women with Type 1 Diabetes. <i>Scientific Reports</i> , 2015 , 5, 13618	4.9	20
120	Insulin levels after portal and systemic insulin infusion differ in a dose-dependent fashion. <i>Hormone and Metabolic Research</i> , 1998 , 30, 721-5	3.1	20
119	Stimulation of vascularization of a subcutaneous scaffold applicable for pancreatic islet-transplantation enhances immediate post-transplant islet graft function but not long-term normoglycemia. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2533-2542	5.4	19
118	Microcapsules and their ability to protect islets against cytokine-mediated dysfunction. <i>Transplantation Proceedings</i> , 2001 , 33, 1711-2	1.1	19
117	Plasma from preeclamptic women activates endothelial cells via monocyte activation in vitro. <i>Journal of Reproductive Immunology</i> , 2010 , 87, 28-38	4.2	18
116	Species differences in the effect of pregnancy on lymphocyte cytokine production between human and rat. <i>Journal of Leukocyte Biology</i> , 2005 , 78, 946-53	6.5	18
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