Paul De Vos

List of Publications by Year in Descending Order

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	Efficient isolation of membrane-associated exopolysaccharides of four commercial bifidobacterial strains.. *Carbohydrate Polymers*, **2022**, 278, 118913	10.3	1
272	Human milk oligosaccharides and non-digestible carbohydrates reduce pathogen adhesion to intestinal epithelial cells by decoy effects or by attenuating bacterial virulence.. *Food Research International*, **2022**, 151, 110867	7	1
271	Revealing methyl-esterification patterns of pectins by enzymatic fingerprinting: Beyond the degree of blockiness. *Carbohydrate Polymers*, **2022**, 277, 118813	10.3	4
270	Naturally occurring deamidated triosephosphate isomerase is a promising target for cell-selective therapy in cancer.. *Scientific Reports*, **2022**, 12, 4028	4.9	0
269	Distinct fermentation of human milk oligosaccharides 3-FL and LNT2 and GOS/inulin by infant gut microbiota and impact on adhesion of WCFS1 to gut epithelial cells. *Food and Function*, **2021**,	6.1	2
268	determination of the immunosuppressive effect, internalization, and release mechanism of squalene-gusperimus nanoparticles for managing inflammatory responses. *Artificial Cells, Nanomedicine and Biotechnology*, **2021**, 49, 651-661	6.1	
267	Tethering Cells via Enzymatic Oxidative Crosslinking Enables Mechanotransduction in Non-Cell-Adhesive Materials (Adv. Mater. 42/2021). *Advanced Materials*, **2021**, 33, 2170333	24	
266	Protein arginine methyltransferase 2 (PRMT2) promotes dextran sulfate sodium-induced colitis by inhibiting the SOCS3 promoter via histone H3R8 asymmetric dimethylation. *British Journal of Pharmacology*, **2021**,	8.6	1
265	The Human Milk Oligosaccharides 3-FL, Lacto-N-Neotetraose, and LDFT Attenuate Tumor Necrosis Factor-□nduced Inflammation in Fetal Intestinal Epithelial Cells In Vitro through Shedding or Interacting with Tumor Necrosis Factor Receptor 1. *Molecular Nutrition and Food Research*, **2021**, 65, e2000425	5.9	7
264	vascularization and islet function in a microwell device for pancreatic islet transplantation. *Biomedical Materials (Bristol)*, **2021**, 16,	3.5	3
263	An immune regulatory 3D-printed alginate-pectin construct for immunoisolation of insulin producing □cells. *Materials Science and Engineering C*, **2021**, 123, 112009	8.3	9
262	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	8.4	30
261	Exosome loaded immunomodulatory biomaterials alleviate local immune response in immunocompetent diabetic mice post islet xenotransplantation. *Communications Biology*, **2021**, 4, 685	6.7	3
260	Structure-Specific Fermentation of Galacto-Oligosaccharides, Isomalto-Oligosaccharides and Isomalto/Malto-Polysaccharides by Infant Fecal Microbiota and Impact on Dendritic Cell Cytokine Responses. *Molecular Nutrition and Food Research*, **2021**, 65, e2001077	5.9	7
259	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	11.5	31
258	Disease managing capacities and mechanisms of host effects of lactic acid bacteria. *Critical Reviews in Food Science and Nutrition*, **2021**, 61, 1365-1393	11.5	7
257	In vitro degradation profiles and in vivo biomaterial-tissue interactions of microwell array delivery devices. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2021**, 109, 117-127	3.5	2

256	Toll-like receptor 2-modulating pectin-polymers in alginate-based microcapsules attenuate immune responses and support islet-xenograft survival. *Biomaterials*, **2021**, 266, 120460	15.6	13
255	Benefits of bacteria-derived exopolysaccharides on gastrointestinal microbiota, immunity and health. *Journal of Functional Foods*, **2021**, 76, 104289	5.1	15
254	Human milk oligosaccharides and non-digestible carbohydrates prevent adhesion of specific pathogens via modulating glycosylation or inflammatory genes in intestinal epithelial cells. *Food and Function*, **2021**, 12, 8100-8119	6.1	0
253	Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake. *Molecular Nutrition and Food Research*, **2021**, 65, e2000390	5.9	14
252	Digestion, fermentation, and pathogen anti-adhesive properties of the hMO-mimic di-fucosyl-□-cyclodextrin. *Food and Function*, **2021**, 12, 5018-5026	6.1	0
251	Chicory inulin enhances fermentation of 2R-fucosyllactose by infant fecal microbiota and differentially influences immature dendritic cell and T-cell cytokine responses under normal and Th2-polarizing conditions. *Food and Function*, **2021**, 12, 9018-9029	6.1	2
250	Impact of electrostatic potential on microcapsule-formation and physicochemical analysis of surface structure: Implications for therapeutic cell-microencapsulation. *Journal of Biomaterials Applications*, **2021**, 36, 638-647	2.9	1
249	DAMPening COVID-19 Severity by Attenuating Danger Signals. *Frontiers in Immunology*, **2021**, 12, 720192	8.4	4
248	Pectins that Structurally Differ in the Distribution of Methyl-Esters Attenuate Citrobacter rodentium-Induced Colitis. *Molecular Nutrition and Food Research*, **2021**, 65, e2100346	5.9	3
247	Attenuation of Doxorubicin-Induced Small Intestinal Mucositis by Pectins is Dependent on Pectin's Methyl-Ester Number and Distribution. *Molecular Nutrition and Food Research*, **2021**, 65, e2100222	5.9	3
246	In Vitro Studies of Squalene-Gusperimus Nanoparticles in Islet-Containing Alginate Microcapsules to Regulate the Immune Response in the Immediate Posttransplant Period. *Advanced NanoBiomed Research*, **2021**, 1, 2100055	0	0
245	Tethering Cells via Enzymatic Oxidative Crosslinking Enables Mechanotransduction in Non-Cell-Adhesive Materials. *Advanced Materials*, **2021**, 33, e2102660	24	3
244	2?-Fucosyllactose impacts the expression of mucus-related genes in goblet cells and maintains barrier function of gut epithelial cells. *Journal of Functional Foods*, **2021**, 85, 104630	5.1	0
243	Controlled Release of Stem Cell Secretome Attenuates Inflammatory Response against Implanted Biomaterials. *Advanced Healthcare Materials*, **2020**, 9, e1901874	10.1	5
242	Fermentation of Chicory Fructo-Oligosaccharides and Native Inulin by Infant Fecal Microbiota Attenuates Pro-Inflammatory Responses in Immature Dendritic Cells in an Infant-Age-Dependent and Fructan-Specific Way. *Molecular Nutrition and Food Research*, **2020**, 64, e2000068	5.9	12
241	The Effect of a Fast-Releasing Hydrogen Sulfide Donor on Vascularization of Subcutaneous Scaffolds in Immunocompetent and Immunocompromised Mice. *Biomolecules*, **2020**, 10,	5.9	3
240	Inhibitory Effects of Dietary -Glycans From Bovine Lactoferrin on Toll-Like Receptor 8; Comparing Efficacy With Chloroquine. *Frontiers in Immunology*, **2020**, 11, 790	8.4	7
239	A High Cell-Bearing Capacity Multibore Hollow Fiber Device for Macroencapsulation of Islets of Langerhans. *Macromolecular Bioscience*, **2020**, 20, e2000021	5.5	4

238	Human Milk Oligosaccharides Mediate the Crosstalk Between Intestinal Epithelial Caco-2 Cells and Lactobacillus PlantarumWCFS1in an In Vitro Model with Intestinal Peristaltic Shear Force. *Journal of Nutrition*, **2020**, 150, 2077-2088	4.1	11
237	Cell-laden alginate hydrogels for the treatment of diabetes. *Expert Opinion on Drug Delivery*, **2020**, 17, 1113-1118	8	4
236	Endo-1,3(4)-Glucanase-Treatment of Oat Glucan Enhances Fermentability by Infant Fecal Microbiota, Stimulates Dectin-1 Activation and Attenuates Inflammatory Responses in Immature Dendritic Cells. *Nutrients*, **2020**, 12,	6.7	12
235	Touching the High Complexity of Prebiotic Vivinal Galacto-oligosaccharides Using Porous Graphitic Carbon Ultra-High-Performance Liquid Chromatography Coupled to Mass Spectrometry. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 7800-7808	5.7	9
234	The impact of oligosaccharide content, glycosidic linkages and lactose content of galacto-oligosaccharides (GOS) on the expression of mucus-related genes in goblet cells. *Food and Function*, **2020**, 11, 3506-3515	6.1	11
233	Acetate and Butyrate Improve cell Metabolism and Mitochondrial Respiration under Oxidative Stress. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	36
232	Lactic acid bacteria secrete toll like receptor 2 stimulating and macrophage immunomodulating bioactive factors. *Journal of Functional Foods*, **2020**, 66, 103783	5.1	7
231	Protective effects of lactic acid bacteria on gut epithelial barrier dysfunction are Toll like receptor 2 and protein kinase C dependent. *Food and Function*, **2020**, 11, 1230-1234	6.1	8
230	Intestinal barrier function is maintained with aging - a comprehensive study in healthy subjects and irritable bowel syndrome patients. *Scientific Reports*, **2020**, 10, 475	4.9	14
229	Pectin Interaction with Immune Receptors is Modulated by Ripening Process in Papayas. *Scientific Reports*, **2020**, 10, 1690	4.9	20
228	Functionalization of Alginate with Extracellular Matrix Peptides Enhances Viability and Function of Encapsulated Porcine Islets. *Advanced Healthcare Materials*, **2020**, 9, e2000102	10.1	10
227	Bioartificial pancreas: challenges and progress **2020**, 665-679		2
226	Selective Modification of Streptozotocin at the C3 Position to Improve Its Bioactivity as Antibiotic and Reduce Its Cytotoxicity towards Insulin-Producing Cells. *Antibiotics*, **2020**, 9,	4.9	3
225	Phenotypic and functional translation of IL1RL1 locus polymorphisms in lung tissue and asthmatic airway epithelium. *JCI Insight*, **2020**, 5,	9.9	11
224	Non-Invasive Monitoring of Oxygen Tension and Oxygen Transport Inside Subcutaneous Devices After HS Treatment. *Cell Transplantation*, **2020**, 29, 963689719893936	4	2
223	Dose-dependent effects of necrostatin-1 supplementation to tissue culture media of young porcine islets. *PLoS ONE*, **2020**, 15, e0243506	3.7	3
222	Necrostatin-1 supplementation enhances young porcine islet maturation and in vitro function. *Xenotransplantation*, **2020**, 27, e12555	2.8	11
221	Riboflavin Supplementation in Patients with Crohn's Disease [the RISE-UP study]. *Journal of Crohnls and Colitis*, **2020**, 14, 595-607	1.5	23

220	Human Milk Oligosaccharides Differently Modulate Goblet Cells Under Homeostatic, Proinflammatory Conditions and ER Stress. *Molecular Nutrition and Food Research*, **2020**, 64, e1900976	5.9	31
219	Design and characterization of Squalene-Gusperimus nanoparticles for modulation of innate immunity. *International Journal of Pharmaceutics*, **2020**, 590, 119893	6.5	2
218	Low methyl-esterified pectin protects pancreatic β-cells against diabetes-induced oxidative and inflammatory stress via galectin-3. *Carbohydrate Polymers*, **2020**, 249, 116863	10.3	15
217	Impact of dietary fibers in infant formulas on gut microbiota and the intestinal immune barrier. *Food and Function*, **2020**, 11, 9445-9467	6.1	16
216	Effects of Different Human Milk Oligosaccharides on Growth of in Monoculture and Co-culture With. *Frontiers in Microbiology*, **2020**, 11, 569700	5.7	12
215	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	12.8	51
214	Mathematical predictions of oxygen availability in micro- and macro-encapsulated human and porcine pancreatic islets. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2020**, 108, 343-352	3.5	13
213	Sugar Beet Pectin Supplementation Did Not Alter Profiles of Fecal Microbiota and Exhaled Breath in Healthy Young Adults and Healthy Elderly. *Nutrients*, **2019**, 11,	6.7	21
212	P166 A combined set of four serum inflammatory biomarkers reliably predicts endoscopic disease activity in inflammatory bowel disease. *Journal of Crohnls and Colitis*, **2019**, 13, S172-S172	1.5	
211	Polymeric Approaches to Reduce Tissue Responses Against Devices Applied for Islet-Cell Encapsulation. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 134	5.8	31
210	Modulation of Intestinal Epithelial Glycocalyx Development by Human Milk Oligosaccharides and Non-Digestible Carbohydrates. *Molecular Nutrition and Food Research*, **2019**, 63, e1900303	5.9	40
209	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	5.1	30
208	Exosomes derived from monocytes and from endothelial cells mediate monocyte and endothelial cell activation under high d-glucose conditions. *Immunobiology*, **2019**, 224, 325-333	3.4	16
207	Shaping the Infant Microbiome With Non-digestible Carbohydrates. *Frontiers in Microbiology*, **2019**, 10, 343	5.7	33
206	Fibroblasts Impact Goblet Cell Responses to Lactic Acid Bacteria After Exposure to Inflammatory Cytokines and Mucus Disruptors. *Molecular Nutrition and Food Research*, **2019**, 63, e1801427	5.9	3
205	Age-associated Impairment of the Mucus Barrier Function is Associated with Profound Changes in Microbiota and Immunity. *Scientific Reports*, **2019**, 9, 1437	4.9	71
204	Low Methoxyl Pectin Protects against Autoimmune Diabetes and Associated Caecal Dysfunction. *Molecular Nutrition and Food Research*, **2019**, 63, e1900307	5.9	13
203	Effect of oat and soybean rich in distinct non-starch polysaccharides on fermentation, appetite regulation and fat accumulation in rat. *International Journal of Biological Macromolecules*, **2019**, 140, 515-521	7.9	14

202	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. *Frontiers in Immunology*, **2019**, 10, 1733	8.4	36
201	The Impact of Pectin Supplementation on Intestinal Barrier Function in Healthy Young Adults and Healthy Elderly. *Nutrients*, **2019**, 11,	6.7	27
200	A Combined Set of Four Serum Inflammatory Biomarkers Reliably Predicts Endoscopic Disease Activity in Inflammatory Bowel Disease. *Frontiers in Medicine*, **2019**, 6, 251	4.9	20
199	Microbiota Induced Changes in the Immune Response in Pregnant Mice. *Frontiers in Immunology*, **2019**, 10, 2976	8.4	8
198	The role of autoimmunity in women with type 1 diabetes and adverse pregnancy outcome: A missing link. *Immunobiology*, **2019**, 224, 334-338	3.4	3
197	Zwitterionically modified alginates mitigate cellular overgrowth for cell encapsulation. *Nature Communications*, **2019**, 10, 5262	17.4	61
196	Combined dietary supplementation of long chain inulin and Lactobacillus acidophilus W37 supports oral vaccination efficacy against Salmonella Typhimurium in piglets. *Scientific Reports*, **2019**, 9, 18017	4.9	7
195	Preliminary Studies of the Impact of CXCL12 on the Foreign Body Reaction to Pancreatic Islets Microencapsulated in Alginate in Nonhuman Primates. *Transplantation Direct*, **2019**, 5, e447	2.3	5
194	Higher Chain Length Distribution in Debranched Type-3 Resistant Starches (RS3) Increases TLR Signaling and Supports Dendritic Cell Cytokine Production. *Molecular Nutrition and Food Research*, **2019**, 63, e1801007	5.9	6
193	Relationship Between Oligosaccharides and Glycoconjugates Content in Human Milk and the Development of the Gut Barrier. *Comprehensive Reviews in Food Science and Food Safety*, **2019**, 18, 121-139	16.4	13
192	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	11.5	65
191	Engineering a Clinically Translatable Bioartificial Pancreas to Treat Type I Diabetes. *Trends in Biotechnology*, **2018**, 36, 445-456	15.1	45
190	L. plantarum WCFS1 enhances Treg frequencies by activating DCs even in absence of sampling of bacteria in the Peyer Patches. *Scientific Reports*, **2018**, 8, 1785	4.9	10
189	Lactic Acid Bacteria May Impact Intestinal Barrier Function by Modulating Goblet Cells. *Molecular Nutrition and Food Research*, **2018**, 62, e1700572	5.9	24
188	Extracellular matrix molecules and their potential contribution to the function of transplanted pancreatic islets. *Diabetologia*, **2018**, 61, 1261-1272	10.3	75
187	Long-term viability and function of transplanted islets macroencapsulated at high density are achieved by enhanced oxygen supply. *Scientific Reports*, **2018**, 8, 6508	4.9	37
186	Innate immune cells in the placental bed in healthy pregnancy and preeclampsia. *Placenta*, **2018**, 69, 125-133	3.4	57
185	Collagen type VI interaction improves human islet survival in immunoisolating microcapsules for treatment of diabetes. *Islets*, **2018**, 10, 60-68	2	25

184	Laminin and collagen IV inclusion in immunoisolating microcapsules reduces cytokine-mediated cell death in human pancreatic islets. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 460-467	4.4	36
183	Sex and strain dependent differences in mucosal immunology and microbiota composition in mice. *Biology of Sex Differences*, **2018**, 9, 26	9.3	51
182	Dietary Fiber Pectin Directly Blocks Toll-Like Receptor 2-1 and Prevents Doxorubicin-Induced Ileitis. *Frontiers in Immunology*, **2018**, 9, 383	8.4	69
181	Role of Microbiota in Sexually Dimorphic Immunity. *Frontiers in Immunology*, **2018**, 9, 1018	8.4	35
180	Attenuates -Induced Stress of Epithelial Cells by Modulating Tight-Junction Genes and Cytokine Responses. *Frontiers in Microbiology*, **2018**, 9, 1439	5.7	22
179	Immunomodulatory Protein Hydrolysates and Their Application. *Nutrients*, **2018**, 10,	6.7	38
178	Synbiotic Effects of the Dietary Fiber Long-Chain Inulin and Probiotic Lactobacillus acidophilus W37 Can be Caused by Direct, Synergistic Stimulation of Immune Toll-Like Receptors and Dendritic Cells. *Molecular Nutrition and Food Research*, **2018**, 62, e1800251	5.9	15
177	Increased fecal calprotectin levels in Crohn's disease correlate with elevated serum Th1- and Th17-associated cytokines. *PLoS ONE*, **2018**, 13, e0193202	3.7	16
176	Immunomodulating protein aggregates in soy and whey hydrolysates and their resistance to digestion in an in vitro infant gastrointestinal model: new insights in the mechanism of immunomodulatory hydrolysates. *Food and Function*, **2018**, 9, 604-613	6.1	18
175	Is there a role for exosomes in foetoplacental endothelial dysfunction in gestational diabetes mellitus?. *Placenta*, **2018**, 61, 48-54	3.4	33
174	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	6.9	37
173	Aged mice display altered numbers and phenotype of basophils, and bone marrow-derived basophil activation, with a limited role for aging-associated microbiota. *Immunity and Ageing*, **2018**, 15, 32	9.7	5
172	Identification of a TLR2 Inhibiting Wheat Hydrolysate. *Molecular Nutrition and Food Research*, **2018**, 62, e1800716	5.9	5
171	Generation of hepatocyte- and endocrine pancreatic-like cells from human induced endodermal progenitor cells. *PLoS ONE*, **2018**, 13, e0197046	3.7	2
170	Sex differences in lipid metabolism are affected by presence of the gut microbiota. *Scientific Reports*, **2018**, 8, 13426	4.9	39
169	Polymer scaffolds for pancreatic islet transplantation - Progress and challenges. *American Journal of Transplantation*, **2018**, 18, 2113-2119	8.7	16
168	Fetoplacental endothelial exosomes modulate high d-glucose-induced endothelial dysfunction. *Placenta*, **2018**, 66, 26-35	3.4	26
167	Therapeutic Strategies for Modulating the Extracellular Matrix to Improve Pancreatic Islet Function and Survival After Transplantation. *Current Diabetes Reports*, **2018**, 18, 39	5.6	26

166	The epithelial barrier-protecting properties of a soy hydrolysate. *Food and Function*, **2018**, 9, 4164-4172	6.1	12
165	Changes in intestinal gene expression and microbiota composition during late pregnancy are mouse strain dependent. *Scientific Reports*, **2018**, 8, 10001	4.9	10
164	Dietary N-Glycans from Bovine Lactoferrin and TLR Modulation. *Molecular Nutrition and Food Research*, **2018**, 62, 1700389	5.9	17
163	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	5.9	61
162	Extracellular ATP and adenosine: The Yin and Yang in immune responses?. *Molecular Aspects of Medicine*, **2017**, 55, 9-19	16.7	92
161	Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis. *Molecular Nutrition and Food Research*, **2017**, 61, 1601006	5.9	89
160	Uterine NK cells and macrophages in pregnancy. *Placenta*, **2017**, 56, 44-52	3.4	134
159	Stimulation of vascularization of a subcutaneous scaffold applicable for pancreatic islet-transplantation enhances immediate post-transplant islet graft function but not long-term normoglycemia. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 2533-2542	5.4	19
158	Chain length-dependent effects of inulin-type fructan dietary fiber on human systemic immune responses against hepatitis-B. *Molecular Nutrition and Food Research*, **2017**, 61, 1700171	5.9	27
157	The Efficacy of a Prevascularized, Retrievable Poly(D,L,-lactide-co-ε-caprolactone) Subcutaneous Scaffold as Transplantation Site for Pancreatic Islets. *Transplantation*, **2017**, 101, e112-e119	1.8	35
156	A Retrievable, Efficacious Polymeric Scaffold for Subcutaneous Transplantation of Rat Pancreatic Islets. *Annals of Surgery*, **2017**, 266, 149-157	7.8	37
155	Recent progress in the use and tracking of transplanted islets as a personalized treatment for type 1 diabetes. *Expert Review of Precision Medicine and Drug Development*, **2017**, 2, 57-67	1.6	7
154	Low-methoxyl lemon pectin attenuates inflammatory responses and improves intestinal barrier integrity in caerulein-induced experimental acute pancreatitis. *Molecular Nutrition and Food Research*, **2017**, 61, 1600885	5.9	41
153	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	4.9	51
152	Avoiding Immunosuppression for Islet Transplantation: Use of Protective Biomaterials **2017**,		1
151	Immune effects of β-glucan are determined by combined effects on Dectin-1, TLR2, 4 and 5. *Journal of Functional Foods*, **2017**, 37, 433-440	5.1	28
150	Encapsulation Approaches to Cell Therapy. *Molecular and Translational Medicine*, **2017**, 121-138	0.4	
149	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	5.9	22

148	Historical Perspectives and Current Challenges in Cell Microencapsulation. *Methods in Molecular Biology*, **2017**, 1479, 3-21	1.4	11
147	Immunological Challenges Facing Translation of Alginate Encapsulated Porcine Islet Xenotransplantation to Human Clinical Trials. *Methods in Molecular Biology*, **2017**, 1479, 305-333	1.4	30
146	Maternal monocytes in pregnancy and preeclampsia in humans and in rats. *Journal of Reproductive Immunology*, **2017**, 119, 91-97	4.2	27
145	Frontline Science: Tryptophan restriction arrests B cell development and enhances microbial diversity in WT and prematurely aging mice. *Journal of Leukocyte Biology*, **2017**, 101, 811-821	6.5	16
144	2-1nFructans Modulate the Immune System in a Microbiota-Dependent and -Independent Fashion. *Frontiers in Immunology*, **2017**, 8, 154	8.4	36
143	The Impact of Gut Microbiota on Gender-Specific Differences in Immunity. *Frontiers in Immunology*, **2017**, 8, 754	8.4	102
142	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	8.4	17
141	Inulin-Type Fructans Modulates Pancreatic-Gut Innate Immune Responses and Gut Barrier Integrity during Experimental Acute Pancreatitis in a Chain Length-Dependent Manner. *Frontiers in Immunology*, **2017**, 8, 1209	8.4	29
140	Aged Gut Microbiota Contributes to Systemical Inflammaging after Transfer to Germ-Free Mice. *Frontiers in Immunology*, **2017**, 8, 1385	8.4	159
139	Toll-like receptor mediated activation is possibly involved in immunoregulating properties of cowR milk hydrolysates. *PLoS ONE*, **2017**, 12, e0178191	3.7	28
138	The effect of age on the intestinal mucus thickness, microbiota composition and immunity in relation to sex in mice. *PLoS ONE*, **2017**, 12, e0184274	3.7	56
137	Particulate Eglucans synergistically activate TLR4 and Dectin-1 in human dendritic cells. *Molecular Nutrition and Food Research*, **2016**, 60, 2514-2522	5.9	28
136	Modulation of Dendritic-Epithelial Cell Responses against Sphingomonas Paucimobilis by Dietary Fibers. *Scientific Reports*, **2016**, 6, 30277	4.9	10
135	Identification of TLR2/TLR6 signalling lactic acid bacteria for supporting immune regulation. *Scientific Reports*, **2016**, 6, 34561	4.9	56
134	Interaction of mouse splenocytes and macrophages with bacterial strains in vitro: the effect of age in the immune response. *Beneficial Microbes*, **2016**, 7, 275-87	4.9	6
133	Identification of Commensal Species Positively Correlated with Early Stress Responses to a Compromised Mucus Barrier. *Inflammatory Bowel Diseases*, **2016**, 22, 826-40	4.5	21
132	Extracellular matrix components supporting human islet function in alginate-based immunoprotective microcapsules for treatment of diabetes. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 1788-96	5.4	77
131	The impact of lemon pectin characteristics on TLR activation and T84 intestinal epithelial cell barrier function. *Journal of Functional Foods*, **2016**, 22, 398-407	5.1	54

130	Endo-glucanase digestion of oat β-glucan enhances Dectin-1 activation in human dendritic cells. *Journal of Functional Foods*, **2016**, 21, 104-112	5.1	25
129	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. *PLoS ONE*, **2016**, 11, e0147992	3.7	21
128	Survival of encapsulated islets: More than a membrane story. *World Journal of Transplantation*, **2016**, 6, 69-90	2.3	81
127	Epigenetic Induction of Definitive and Pancreatic Endoderm Cell Fate in Human Fibroblasts. *Stem Cells International*, **2016**, 2016, 7654321	5	2
126	Supplementation with WCFS1 Prevents Decline of Mucus Barrier in Colon of Accelerated Aging Mice. *Frontiers in Immunology*, **2016**, 7, 408	8.4	34
125	Arabinoxylan activates Dectin-1 and modulates particulate β-glucan-induced Dectin-1 activation. *Molecular Nutrition and Food Research*, **2016**, 60, 458-67	5.9	30
124	Selection of polymers for application in scaffolds applicable for human pancreatic islet transplantation. *Biomedical Materials (Bristol)*, **2016**, 11, 035006	3.5	21
123	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	9.3	15
122	Cell encapsulation: technical and clinical advances. *Trends in Pharmacological Sciences*, **2015**, 36, 537-46	13.2	119
121	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, 531-42	4.5	38
120	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	5.9	64
119	Resistant starches differentially stimulate Toll-like receptors and attenuate proinflammatory cytokines in dendritic cells by modulation of intestinal epithelial cells. *Molecular Nutrition and Food Research*, **2015**, 59, 1814-26	5.9	25
118	Weight gain in freshman college students and perceived health. *Preventive Medicine Reports*, **2015**, 2, 229-34	2.6	31
117	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	4.9	46
116	Immunological Adaptations to Pregnancy in Women with Type 1 Diabetes. *Scientific Reports*, **2015**, 5, 13618	4.9	20
115	Cellulose alters the expression of nuclear factor kappa B-related genes and Toll-like receptor-related genes in human peripheral blood mononuclear cells. *Journal of Functional Foods*, **2015**, 18, 520-531	5.1	4
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