

Bart J De Haan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

797
citations

18
h-index

28
g-index

34
ext. papers

988
ext. citations

6.3
avg, IF

4.3
L-index

#	Paper	IF	Citations
32	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
31	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
30	Factors influencing insulin secretion from encapsulated islets. <i>Cell Transplantation</i> , 2003 , 12, 617-25	4	54
29	A Technology Platform to Test the Efficacy of Purification of Alginate. <i>Materials</i> , 2014 , 7, 2087-2103	3.5	49
28	DAMP production by human islets under low oxygen and nutrients in the presence or absence of an immunoisolating-capsule and necrostatin-1. <i>Scientific Reports</i> , 2015 , 5, 14623	4.9	46
27	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
26	A novel multilayer immunoisolating encapsulation system overcoming protrusion of cells. <i>Scientific Reports</i> , 2014 , 4, 6856	4.9	40
25	Acetate and Butyrate Improve β cell Metabolism and Mitochondrial Respiration under Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	36
24	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	4.7	36
23	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
22	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
21	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
20	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
19	Factors influencing isolation of functional pancreatic rat islets. <i>Pancreas</i> , 2004 , 29, e15-22	2.6	27
18	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
17	Collagen type VI interaction improves human islet survival in immunoisolating microcapsules for treatment of diabetes. <i>Islets</i> , 2018 , 10, 60-68	2	25
16	Enzymes for Pancreatic Islet Isolation Impact Chemokine-Production and Polarization of Insulin-Producing β Cells with Reduced Functional Survival of Immunisolated Rat Islet-Allografts as a Consequence. <i>PLoS ONE</i> , 2016 , 11, e0147992	3.7	21

15	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
14	Strains Can Enhance Human Mucosal and Systemic Immunity and Prevent Non-steroidal Anti-inflammatory Drug Induced Reduction in T Regulatory Cells. <i>Frontiers in Immunology</i> , 2017 , 8, 1000	8.4	17
13	Polymer scaffolds for pancreatic islet transplantation - Progress and challenges. <i>American Journal of Transplantation</i> , 2018 , 18, 2113-2119	8.7	16
12	Low methyl-esterified pectin protects pancreatic β cells against diabetes-induced oxidative and inflammatory stress via galectin-3. <i>Carbohydrate Polymers</i> , 2020 , 249, 116863	10.3	15
11	Toll-like receptor 2-modulating pectin-polymers in alginate-based microcapsules attenuate immune responses and support islet-xenograft survival. <i>Biomaterials</i> , 2021 , 266, 120460	15.6	13
10	Changes in intestinal gene expression and microbiota composition during late pregnancy are mouse strain dependent. <i>Scientific Reports</i> , 2018 , 8, 10001	4.9	10
9	vascularization and islet function in a microwell device for pancreatic islet transplantation. <i>Biomedical Materials (Bristol)</i> , 2021 , 16,	3.5	3
8	Attenuation of Doxorubicin-Induced Small Intestinal Mucositis by Pectins is Dependent on Pectin's Methyl-Ester Number and Distribution. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100222	5.9	3
7	Tethering Cells via Enzymatic Oxidative Crosslinking Enables Mechanotransduction in Non-Cell-Adhesive Materials. <i>Advanced Materials</i> , 2021 , 33, e2102660	24	3
6	Design and characterization of Squalene-Gusperimus nanoparticles for modulation of innate immunity. <i>International Journal of Pharmaceutics</i> , 2020 , 590, 119893	6.5	2
5	In vitro degradation profiles and in vivo biomaterial-tissue interactions of microwell array delivery devices. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021 , 109, 117-127	3.5	2
4	Impact of electrostatic potential on microcapsule-formation and physicochemical analysis of surface structure: Implications for therapeutic cell-microencapsulation. <i>Journal of Biomaterials Applications</i> , 2021 , 36, 638-647	2.9	1
3	In Vitro Studies of Squalene-Gusperimus Nanoparticles in Islet-Containing Alginate Microcapsules to Regulate the Immune Response in the Immediate Posttransplant Period. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2100055	0	0
2	determination of the immunosuppressive effect, internalization, and release mechanism of squalene-gusperimus nanoparticles for managing inflammatory responses. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021 , 49, 651-661	6.1	
1	Tethering Cells via Enzymatic Oxidative Crosslinking Enables Mechanotransduction in Non-Cell-Adhesive Materials (Adv. Mater. 42/2021). <i>Advanced Materials</i> , 2021 , 33, 2170333	24	