

Betty C A M Van Esch

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,736
citations

257450

24
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	Pro- and anti-inflammatory effects of short chain fatty acids on immune and endothelial cells. <i>European Journal of Pharmacology</i> , 2018, 831, 52-59.	3.5	341
2	The Anti-inflammatory Effects of Short Chain Fatty Acids on Lipopolysaccharide- or Tumor Necrosis Factor Î±-Stimulated Endothelial Cells via Activation of GPR41/43 and Inhibition of HDACs. <i>Frontiers in Pharmacology</i> , 2018, 9, 533.	3.5	181
3	Perinatal and Early-Life Nutrition, Epigenetics, and Allergy. <i>Nutrients</i> , 2021, 13, 724.	4.1	82
4	Oral tolerance induction by partially hydrolyzed whey protein in mice is associated with enhanced numbers of Foxp3⁺ regulatory Tâ€œcells in the mesenteric lymph nodes. <i>Pediatric Allergy and Immunology</i> , 2011, 22, 820-826.	2.6	69
5	Time and Concentration Dependent Effects of Short Chain Fatty Acids on Lipopolysaccharide- or Tumor Necrosis Factor Î±-Induced Endothelial Activation. <i>Frontiers in Pharmacology</i> , 2018, 9, 233.	3.5	59
6	The Impact of Milk and Its Components on Epigenetic Programming of Immune Function in Early Life and Beyond: Implications for Allergy and Asthma. <i>Frontiers in Immunology</i> , 2020, 11, 2141.	4.8	57
7	CTLA4-IgG Reverses Asthma Manifestations in a Mild but Not in a More â€œSevereâ€œOngoing Murine Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001, 25, 751-760.	2.9	56
8	Acute Allergic Skin Reactions and Intestinal Contractility Changes in Mice Orally Sensitized against Casein or Whey. <i>International Archives of Allergy and Immunology</i> , 2008, 147, 125-134.	2.1	56
9	Contribution of IgE and immunoglobulin free light chain in the allergic reaction to cow's milk proteins. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1308-1314.	2.9	52
10	Raw cowâ€™s milk consumption and allergic diseases â€“ The potential role of bioactive whey proteins. <i>European Journal of Pharmacology</i> , 2019, 843, 55-65.	3.5	49
11	Allergen Immunotherapy Inhibits Airway Eosinophilia and Hyperresponsiveness Associated with Decreased IL-4 Production by Lymphocytes in a Murine Model of Allergic Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 622-628.	2.9	46
12	Raw Cowâ€™s Milk Prevents the Development of Airway Inflammation in a Murine House Dust Mite-Induced Asthma Model. <i>Frontiers in Immunology</i> , 2017, 8, 1045.	4.8	43
13	Milk processing increases the allergenicity of cowâ€™s milkâ€™’Preclinical evidence supported by a human proofâ€™’concept provocation pilot. <i>Clinical and Experimental Allergy</i> , 2019, 49, 1013-1025.	2.9	42
14	Raw Cowâ€™s Milk Reduces Allergic Symptoms in a Murine Model for Food Allergyâ€™’A Potential Role For Epigenetic Modifications. <i>Nutrients</i> , 2019, 11, 1721.	4.1	40
15	In vivo and in vitro evaluation of the residual allergenicity of partially hydrolysed infant formulas. <i>Toxicology Letters</i> , 2011, 201, 264-269.	0.8	37
16	Supplementation of Mice with Specific Nondigestible Oligosaccharides during Pregnancy or Lactation Leads to Diminished Sensitization and Allergy in the Female Offspring. <i>Journal of Nutrition</i> , 2015, 145, 996-1002.	2.9	37
17	Comparing biologicals and small molecule drug therapies for chronic respiratory diseases: An <sc>EAACI</sc> Taskforce on Immunopharmacology position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 432-448.	5.7	37
18	Butyrate and propionate restore interleukin 13â€™’compromised esophageal epithelial barrier function. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1510-1521.	5.7	34

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19	Improved Efficacy of Oral Immunotherapy Using Non-Digestible Oligosaccharides in a Murine Cowâ€™s Milk Allergy Model: A Potential Role for Foxp3+ Regulatory T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1230.	4.8	33
20	Butyrate and Propionate Restore the Cytokine and House Dust Mite Compromised Barrier Function of Human Bronchial Airway Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 65.	4.1	33
21	Suppression of Food Allergic Symptoms by Raw Cowâ€™s Milk in Mice is Retained after Skimming but Abolished after Heating the Milkâ€™A Promising Contribution of Alkaline Phosphatase. <i>Nutrients</i> , 2019, 11, 1499.	4.1	29
22	Acute allergic skin response as a new tool to evaluate the allergenicity of whey hydrolysates in a mouse model of orally induced cowâ€™s milk allergy. <i>Pediatric Allergy and Immunology</i> , 2009, 21, e780-e786.	2.6	28
23	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.	3.3	26
24	DHA-Rich Tuna Oil Effectively Suppresses Allergic Symptoms in Mice Allergic to Whey or Peanut. <i>Journal of Nutrition</i> , 2014, 144, 1970-1976.	2.9	25
25	The efficacy of oral and subcutaneous antigen-specific immunotherapy in murine cowâ€™s milk- and peanut allergy models. <i>Clinical and Translational Allergy</i> , 2017, 7, 35.	3.2	25
26	Butyrate Enhances Desensitization Induced by Oral Immunotherapy in Cowâ€™s Milk Allergic Mice. <i>Mediators of Inflammation</i> , 2019, 2019, 1-12.	3.0	24
27	Loss of allergy-protective capacity of raw cow's milk after heat treatment coincides with loss of immunologically active whey proteins. <i>Food and Function</i> , 2020, 11, 4982-4993.	4.6	24
28	Immune modulation via T regulatory cell enhancement: Diseaseâ€™modifying therapies for autoimmunity and their potential for chronic allergic and inflammatory diseasesâ€™An EAACI position paper of the Task Force on Immunopharmacology (TIPCO). <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 90-113.	5.7	24
29	Decreased Histone Acetylation Levels at Th1 and Regulatory Loci after Induction of Food Allergy. <i>Nutrients</i> , 2020, 12, 3193.	4.1	23
30	Increased intake of vegetable oil rich in <i>n</i>-6 PUFA enhances allergic symptoms and prevents oral tolerance induction in whey-allergic mice. <i>British Journal of Nutrition</i> , 2015, 114, 577-585.	2.3	22
31	A Specific Mixture of Fructo-Oligosaccharides and Bifidobacterium breve M-16V Facilitates Partial Non-Responsiveness to Whey Protein in Mice Orally Exposed to Î²-Lactoglobulin-Derived Peptides. <i>Frontiers in Immunology</i> , 2016, 7, 673.	4.8	18
32	Dietary Supplementation with Nondigestible Oligosaccharides Reduces Allergic Symptoms and Supports Low Dose Oral Immunotherapy in a Peanut Allergy Mouse Model. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800369.	3.3	18
33	Dietary Intervention with Î²-Lactoglobulin-Derived Peptides and a Specific Mixture of Fructo-Oligosaccharides and Bifidobacterium breve M-16V Facilitates the Prevention of Whey-Induced Allergy in Mice by Supporting a Tolerance-Prone Immune Environment. <i>Frontiers in Immunology</i> , 2017, 8, 1303.	4.8	17
34	IL-10 Receptor or TGF-Î² Neutralization Abrogates the Protective Effect of a Specific Nondigestible Oligosaccharide Mixture in Cow-Milk-Allergic Mice. <i>Journal of Nutrition</i> , 2018, 148, 1372-1379.	2.9	13
35	Raw Milk-Induced Protection against Food Allergic Symptoms in Mice Is Accompanied by Shifts in Microbial Community Structure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3417.	4.1	10
36	IL-33 Is Involved in the Anti-Inflammatory Effects of Butyrate and Propionate on TNFÎ±-Activated Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2447.	4.1	7

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37	A multi-center assessment to compare residual allergenicity of partial hydrolyzed whey proteins in a murine model for cow's milk allergy – Comparison to the single parameter guinea pig model. <i>Toxicology Letters</i> , 2020, 333, 312-321.	0.8	6
38	Direct Inhibition of the Allergic Effector Response by Raw Cow's Milk – An Extensive In Vitro Assessment. <i>Cells</i> , 2020, 9, 1258.	4.1	5
39	Gene expression and clinical outcomes after dietary treatment for eosinophilic esophagitis: a prospective study. <i>Neurogastroenterology and Motility</i> , 2022, 34, .	3.0	5
40	Non-digestible oligosaccharides scFOS/lcFOS facilitate safe subcutaneous immunotherapy for peanut allergy. <i>Clinical and Molecular Allergy</i> , 2019, 17, 7.	1.8	3