Adam Macierzanka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5938404/publications.pdf

Version: 2024-02-01

36 papers	7,659 citations	304368 22 h-index	344852 36 g-index
38 all docs	38 docs citations	38 times ranked	7021 citing authors

#	ARTICLE	IF	CITATIONS
1	A standardised static<i>in vitro</i>digestion method suitable for food â€“ an international consensus. Food and Function, 2014, 5, 1113-1124.	2.1	3,730
2	INFOGEST static in vitro simulation of gastrointestinal food digestion. Nature Protocols, 2019, 14, 991-1014.	5.5	1,873
3	The role of bile salts in digestion. Advances in Colloid and Interface Science, 2011, 165, 36-46.	7.0	422
4	Specificity of Infant Digestive Conditions: Some Clues for Developing Relevant In Vitro Models. Critical Reviews in Food Science and Nutrition, 2014, 54, 1427-1457.	5.4	213
5	Emulsification alters simulated gastrointestinal proteolysis of Î²-casein and Î²-lactoglobulin. Soft Matter, 2009, 5, 538-550.	1.2	193
6	Colloidal aspects of protein digestion. Current Opinion in Colloid and Interface Science, 2010, 15, 102-108.	3.4	137
7	Bile salts in digestion and transport of lipids. Advances in Colloid and Interface Science, 2019, 274, 102045.	7.0	105
8	The influence of small intestinal mucus structure on particle transport ex vivo. Colloids and Surfaces B: Biointerfaces, 2015, 135, 73-80.	2.5	94
9	Lamellar Structures of MUC2-Rich Mucin: A Potential Role in Governing the Barrier and Lubricating Functions of Intestinal Mucus. Biomacromolecules, 2012, 13, 3253-3261.	2.6	91
10	Adsorption of bile salts to particles allows penetration of intestinal mucus. Soft Matter, 2011, 7, 8077.	1.2	77
11	The effect of gel structure on the kinetics of simulated gastrointestinal digestion of bovine Î²-lactoglobulin. Food Chemistry, 2012, 134, 2156-2163.	4.2	72
12	Transport of Particles in Intestinal Mucus under Simulated Infant and Adult Physiological Conditions: Impact of Mucus Structure and Extracellular DNA. PLoS ONE, 2014, 9, e95274.	1.1	70
13	Sodium alginate decreases the permeability of intestinal mucus. Food Hydrocolloids, 2016, 52, 749-755.	5.6	58
14	Esterification Kinetics of Glycerol with Fatty Acids in the Presence of Zinc Carboxylates:â€‰ Preparation of Modified Acylglycerol Emulsifiers. Industrial & Engineering Chemistry Research, 2004, 43, 7744-7753.	1.8	57
15	Rhamnolipid CMC prediction. Journal of Colloid and Interface Science, 2017, 488, 10-19.	5.0	53
16	Permeability of the small intestinal mucus for physiologically relevant studies: Impact of mucus location and ex vivo treatment. Scientific Reports, 2019, 9, 17516.	1.6	43
17	Effect of crystalline emulsifier composition on structural transformations of water-in-oil emulsions: Emulsification and quiescent conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 334, 40-52.	2.3	41
18	Transglutaminase cross-linking kinetics of sodium caseinate is changed after emulsification. Food Hydrocolloids, 2011, 25, 843-850.	5.6	40

#	ARTICLE	IF	CITATIONS
19	Enzymatically Structured Emulsions in Simulated Gastrointestinal Environment: Impact on Interfacial Proteolysis and Diffusion in Intestinal Mucus. Langmuir, 2012, 28, 17349-17362.	1.6	40
20	Enzymatic cross-linking of Î²-lactoglobulin in solution and at airâ€“water interface: Structural constraints. Food Hydrocolloids, 2012, 28, 1-9.	5.6	37
21	Comparing the permeability of human and porcine small intestinal mucus for particle transport studies. Scientific Reports, 2020, 10, 20290.	1.6	32
22	MRMâ€“MS of marker peptides and their abundance as a tool for authentication of meat species and meat cuts in single-cut meat products. Food Chemistry, 2019, 283, 367-374.	4.2	26
23	Topical delivery of pharmaceutical and cosmetic macromolecules using microemulsion systems. International Journal of Pharmaceutics, 2022, 615, 121488.	2.6	23
24	Which casein in sodium caseinate is most resistant to in vitro digestion? Effect of emulsification and enzymatic structuring. Food Hydrocolloids, 2019, 88, 114-118.	5.6	22
25	INFOGEST inter-laboratory recommendations for assaying gastric and pancreatic lipases activities prior to in vitro digestion studies. Journal of Functional Foods, 2021, 82, 104497.	1.6	22
26	The Role of the Mucus Barrier in Digestion. Food Digestion, 2012, 3, 8-15.	0.9	17
27	Phase Transitions and Microstructure of Emulsion Systems Prepared with Acylglycerols/Zinc Stearate Emulsifier. Langmuir, 2006, 22, 2487-2497.	1.6	14
28	Microstructural behavior of water-in-oil emulsions stabilized by fatty acid esters of propylene glycol and zinc fatty acid salts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 281, 125-137.	2.3	14
29	Relative quantification of pork and beef in meat products using global and species-specific peptide markers for the authentication of meat composition. Food Chemistry, 2022, 389, 133066.	4.2	9
30	Cross-linking of sodium caseinate-structured emulsion with transglutaminase alters postprandial metabolic and appetite responses in healthy young individuals. British Journal of Nutrition, 2015, 114, 418-429.	1.2	8
31	The bile salt content of human bile impacts on simulated intestinal proteolysis of Î²-lactoglobulin. Food Research International, 2021, 145, 110413.	2.9	5
32	Analysis of the Factors Affecting Static In Vitro Pepsinolysis of Food Proteins. Molecules, 2022, 27, 1260.	1.7	5
33	Properties of W/O Emulsions Stabilized with Acylglycerol Emulsifiers Modified with Zinc Carboxylates. Journal of Dispersion Science and Technology, 2004, 25, 173-182.	1.3	4
34	Colloidal transport of lipid digesta in human and porcine small intestinal mucus. Food Research International, 2020, 138, 109752.	2.9	4
35	Towards Rational Biosurfactant Designâ€”Predicting Solubilization in Rhamnolipid Solutions. Molecules, 2021, 26, 534.	1.7	4
36	Importance of Bile Composition for Diagnosis of Biliary Obstructions. Molecules, 2021, 26, 7279.	1.7	4