Carmen Lammi

List of Publications by Year
in descending order

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60 papers	2,032 citations	218592 26 h-index	254106 43 g-index
61 all docs	61 docs citations	61 times ranked	1636 citing authors

#	Article	IF	Citations
1	The health benefits of sweet lupin seed flours and isolated proteins. Journal of Functional Foods, 2015, 18, 550-563.	1.6	116
2	Multifunctional peptides for the prevention of cardiovascular disease: A new concept in the area of bioactive food-derived peptides. Journal of Functional Foods, 2019, 55, 135-145.	1.6	110
3	IAVPGEVA, IAVPTGVA, and LPYP, three peptides from soy glycinin, modulate cholesterol metabolism in HepG2 cells through the activation of the LDLR-SREBP2 pathway. Journal of Functional Foods, 2015, 14, 469-478.	1.6	100
4	Peptides Derived from Soy and Lupin Protein as Dipeptidyl-Peptidase IV Inhibitors: In Vitro Biochemical Screening and in Silico Molecular Modeling Study. Journal of Agricultural and Food Chemistry, 2016, 64, 9601-9606.	2.4	100
5	Lupin Peptides Lower Low-Density Lipoprotein (LDL) Cholesterol through an Up-regulation of the LDL Receptor/Sterol Regulatory Element Binding Protein 2 (SREBP2) Pathway at HepG2 Cell Line. Journal of Agricultural and Food Chemistry, 2014, 62, 7151-7159.	2.4	90
6	Soybean- and Lupin-Derived Peptides Inhibit DPP-IV Activity on In Situ Human Intestinal Caco-2 Cells and Ex Vivo Human Serum. Nutrients, 2018, 10, 1082.	1.7	75
7	The Role of Grain Legumes in the Prevention of Hypercholesterolemia and Hypertension. Critical Reviews in Plant Sciences, 2015, 34, 144-168.	2.7	73
8	Two Peptides from Soy Î²-Conglycinin Induce a Hypocholesterolemic Effect in HepG2 Cells by a Statin-Like Mechanism: Comparative in Vitro and in Silico Modeling Studies. Journal of Agricultural and Food Chemistry, 2015, 63, 7945-7951.	2.4	71
9	Exploration of Potentially Bioactive Peptides Generated from the Enzymatic Hydrolysis of Hempseed Proteins. Journal of Agricultural and Food Chemistry, 2017, 65, 10174-10184.	2.4	70
10	Lupin Peptides Modulate the Protein-Protein Interaction of PCSK9 with the Low Density Lipoprotein Receptor in HepG2 Cells. Scientific Reports, 2016, 6, 29931.	1.6	69
11	A multidisciplinary investigation on the bioavailability and activity of peptides from lupin protein. Journal of Functional Foods, 2016, 24, 297-306.	1.6	66
12	Hempseed Peptides Exert Hypocholesterolemic Effects with a Statin-Like Mechanism. Journal of Agricultural and Food Chemistry, 2017, 65, 8829-8838.	2.4	57
13	Foodâ€derived antioxidants and COVIDâ€19. Journal of Food Biochemistry, 2021, 45, e13557.	1.2	56
14	Three Peptides from Soy Glycinin Modulate Glucose Metabolism in Human Hepatic HepG2 Cells. International Journal of Molecular Sciences, 2015, 16, 27362-27370.	1.8	54
15	Investigations on the hypocholesterolaemic activity of LILPKHSDAD and LTFPGSAED, two peptides from lupin Î²-conglutin: Focus on LDLR and PCSK9 pathways. Journal of Functional Foods, 2017, 32, 1-8.	1.6	49
16	Behavior of three hypocholesterolemic peptides from soy protein in an intestinal model based on differentiated Caco-2 cell. Journal of Functional Foods, 2018, 45, 363-370.	1.6	44
17	Phycobiliproteins from Arthrospira Platensis (Spirulina): A New Source of Peptides with Dipeptidyl Peptidase-IV Inhibitory Activity. Nutrients, 2020, 12, 794.	1.7	43
18	Disrupting the PCSK9/LDLR proteinâ€“protein interaction by an imidazole-based minimalist peptidomimetic. Organic and Biomolecular Chemistry, 2016, 14, 9736-9740.	1.5	42

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19	Enhancement of the Stability and Anti-DPPIV Activity of Hempseed Hydrolysates Through Self-Assembling Peptide-Based Hydrogels. Frontiers in Chemistry, 2018, 6, 670.	1.8	40
20	Lupin protein exerts cholesterol-lowering effects targeting PCSK9: From clinical evidences to elucidation of the in vitro molecular mechanism using HepG2 cells. Journal of Functional Foods, 2016, 23, 230-240.	1.6	36
21	Recent Advances in Microalgae Peptides: Cardiovascular Health Benefits and Analysis. Journal of Agricultural and Food Chemistry, 2019, 67, 11825-11838.	2.4	33
22	Chemical and biological characterization of spirulina protein hydrolysates: Focus on ACE and DPP-IV activities modulation. Journal of Functional Foods, 2019, 63, 103592.	1.6	32
23	Hypocholesterolaemic Activity of Lupin Peptides: Investigation on the Crosstalk between Human Enterocytes and Hepatocytes Using a Co-Culture System Including Caco-2 and HepG2 Cells. Nutrients, 2016, 8, 437.	1.7	31
24	Extra Virgin Olive Oil Phenol Extracts Exert Hypocholesterolemic Effects through the Modulation of the LDLR Pathway: In Vitro and Cellular Mechanism of Action Elucidation. Nutrients, 2020, 12, 1723.	1.7	30
25	Computationally Driven Structure Optimization, Synthesis, and Biological Evaluation of Imidazole-Based Proprotein Convertase Subtilisin/Kexin 9 (PCSK9) Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 6163-6174.	2.9	29
26	Lupin-Derived Bioactive Peptides: Intestinal Transport, Bioavailability and Health Benefits. Nutrients, 2021, 13, 3266.	1.7	26
27	Soybean Peptides Exert Multifunctional Bioactivity Modulating 3-Hydroxy-3-Methylglutaryl-CoA Reductase and Dipeptidyl Peptidase-IV Targets in Vitro. Journal of Agricultural and Food Chemistry, 2019, 67, 4824-4830.	2.4	24
28	Assessment of the Multifunctional Behavior of Lupin Peptide P7 and Its Metabolite Using an Integrated Strategy. Journal of Agricultural and Food Chemistry, 2020, 68, 13179-13188.	2.4	24
29	Investigation of the intestinal trans-epithelial transport and antioxidant activity of two hempseed peptides WVSPLAGRT (H2) and IGFLIIWV (H3). Food Research International, 2022, 152, 110720.	2.9	23
30	Effects of a lupin protein concentrate on lipids, blood pressure and insulin resistance in moderately dyslipidaemic patients: A randomised controlled trial. Journal of Functional Foods, 2017, 37, 8-15.	1.6	22
31	Inhibition of PCSK9^{D374Y}/LDLR Proteinâ€“Protein Interaction by Computationally Designed T9 Lupin Peptide. ACS Medicinal Chemistry Letters, 2019, 10, 425-430.	1.3	22
32	Potent Antiglioblastoma Agents by Hybridizing the Onium-Alkyloxy-Stilbene Based Structures of an Î±7-nAChR, Î±9-nAChR Antagonist and of a Pro-Oxidant Mitocan. Journal of Medicinal Chemistry, 2018, 61, 10531-10544.	2.9	21
33	First Food-Derived Peptide Inhibitor of the Proteinâ€“Protein Interaction between Gain-of-Function PCSK9^{D374Y} and the Low-Density Lipoprotein Receptor. Journal of Agricultural and Food Chemistry, 2018, 66, 10552-10557.	2.4	20
34	Lupin Peptide T9 (GQEQSHQDEGVIVR) Modulates the Mutant PCSK9D374Y Pathway: in vitro Characterization of its Dual Hypocholesterolemic Behavior. Nutrients, 2019, 11, 1665.	1.7	20
35	Assessment of the Physicochemical and Conformational Changes of Ultrasound-Driven Proteins Extracted from Soybean Okara Byproduct. Foods, 2021, 10, 562.	1.9	20
36	Hempseed (Cannabis sativa) Peptides WVSPLAGRT and IGFLIIWV Exert Anti-inflammatory Activity in the LPS-Stimulated Human Hepatic Cell Line. Journal of Agricultural and Food Chemistry, 2022, 70, 577-583.	2.4	20

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37	A Supramolecular Approach to Develop New Soybean and Lupin Peptide Nanogels with Enhanced Dipeptidyl Peptidase IV (DPP-IV) Inhibitory Activity. Journal of Agricultural and Food Chemistry, 2019, 67, 3615-3623.	2.4	18
38	A simple and high-throughput in-cell Western assay using HepG2 cell line for investigating the potential hypocholesterolemic effects of food components and nutraceutics. Food Chemistry, 2015, 169, 59-64.	4.2	17
39	Trans-Epithelial Transport, Metabolism, and Biological Activity Assessment of the Multi-Target Lupin Peptide LILPKHSDAD (P5) and Its Metabolite LPKHSDAD (P5-Met). Nutrients, 2021, 13, 863.	1.7	17
40	Investigation of Chlorella pyrenoidosa Protein as a Source of Novel Angiotensin I-Converting Enzyme (ACE) and Dipeptidyl Peptidase-IV (DPP-IV) Inhibitory Peptides. Nutrients, 2021, 13, 1624.	1.7	17
41	Hempseed (Cannabis sativa) protein hydrolysates: A valuable source of bioactive peptides with pleiotropic health-promoting effects. Trends in Food Science and Technology, 2022, 127, 303-318.	7.8	16
42	Biological Characterization of Computationally Designed Analogs of peptide TVFTSWEEYLDWV (Pep2-8) with Increased PCSK9 Antagonistic Activity. Scientific Reports, 2019, 9, 2343.	1.6	15
43	A Lupinus angustifolius protein hydrolysate exerts hypocholesterolemic effects in Western diet-fed ApoE^{â^'/â^'} mice through the modulation of LDLR and PCSK9 pathways. Food and Function, 2022, 13, 4158-4170.	2.1	15
44	Bioactive Cyclization Optimizes the Affinity of a Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Peptide Inhibitor. Journal of Medicinal Chemistry, 2021, 64, 2523-2533.	2.9	14
45	YDFYPSSTKDQQS (P3), a peptide from lupin protein, absorbed by Caco-2 cells, modulates cholesterol metabolism in HepG2 cells via SREBP-1 activation. Journal of Food Biochemistry, 2018, 42, e12524.	1.2	13
46	Extra Virgin Olive Oil Phenolic Extract on Human Hepatic HepG2 and Intestinal Caco-2 Cells: Assessment of the Antioxidant Activity and Intestinal Trans-Epithelial Transport. Antioxidants, 2021, 10, 118.	2.2	13
47	â€œBottom-Upâ€•Strategy for the Identification of Novel Soybean Peptides with Angiotensin-Converting Enzyme Inhibitory Activity. Journal of Agricultural and Food Chemistry, 2020, 68, 2082-2090.	2.4	12
48	Computational Design and Biological Evaluation of Analogs of Lupin Peptide P5 Endowed with Dual PCSK9/HMG-CoAR Inhibiting Activity. Pharmaceutics, 2022, 14, 665.	2.0	12
49	Nanostructure, Self-Assembly, Mechanical Properties, and Antioxidant Activity of a Lupin-Derived Peptide Hydrogel. Biomedicines, 2021, 9, 294.	1.4	11
50	Gel-Forming of Self-Assembling Peptides Functionalized with Food Bioactive Motifs Modulate DPP-IV and ACE Inhibitory Activity in Human Intestinal Caco-2 Cells. Biomedicines, 2022, 10, 330.	1.4	11
51	Hempseed (Cannabis sativa) Peptide H3 (IGFLIIWV) Exerts Cholesterol-Lowering Effects in Human Hepatic Cell Line. Nutrients, 2022, 14, 1804.	1.7	11
52	Structure-based drug design, synthesis and biological assays of P. falciparum Atg3â€“Atg8 proteinâ€“protein interaction inhibitors. Journal of Computer-Aided Molecular Design, 2018, 32, 473-486.	1.3	9
53	A heuristic, computer-driven and top-down approach to identify novel bioactive peptides: A proof-of-principle on angiotensin I converting enzyme inhibitory peptides. Food Research International, 2021, 150, 110753.	2.9	9
54	Impact of Soy Î²-Conglycinin Peptides on PCSK9 Protein Expression in HepG2 Cells. Nutrients, 2022, 14, 193.	1.7	9

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55	Characterization of the Trans-Epithelial Transport of Green Tea (C. sinensis) Catechin Extracts with In Vitro Inhibitory Effect against the SARS-CoV-2 Papain-like Protease Activity. Molecules, 2021, 26, 6744.	1.7	8
56	Integrated Evaluation of the Multifunctional DPP-IV and ACE Inhibitory Effect of Soybean and Pea Protein Hydrolysates. Nutrients, 2022, 14, 2379.	1.7	7
57	Exploring Proprotein Convertase Subtilisin/Kexin 9 (PCSK9) Autoproteolysis Process by Molecular Simulations: Hints for Drug Design. ChemMedChem, 2020, 15, 1601-1607.	1.6	6
58	Engineered EGF-A Peptides with Improved Affinity for Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9). ACS Chemical Biology, 2021, 16, 429-439.	1.6	5
59	Increased Valency Improves Inhibitory Activity of Peptides Targeting Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9). ChemBioChem, 2021, 22, 2154-2160.	1.3	4
60	Application in nutrition: cholesterol-lowering activity. , 2021, , 551-568.		1