

# Eva Csosz

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,211  
citations

394421

19  
h-index

414414

32  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of proteins in the tear fluid of patients with diabetic retinopathy. Journal of Proteomics, 2012, 75, 2196-2204.	2.4	113
2	Changes in the Chemical Barrier Composition of Tears in Alzheimer's Disease Reveal Potential Tear Diagnostic Biomarkers. PLoS ONE, 2016, 11, e0158000.	2.5	94
3	Functional significance of five noncanonical $Ca^{2+}$ -binding sites of human transglutaminase 2 characterized by site-directed mutagenesis. FEBS Journal, 2009, 276, 7083-7096.	4.7	71
4	A single conformational transglutaminase 2 epitope contributed by three domains is critical for celiac antibody binding and effects. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 431-436.	7.1	62
5	Quantitative body fluid proteomics in medicine – A focus on minimal invasiveness. Journal of Proteomics, 2017, 153, 30-43.	2.4	62
6	Transdab wiki: the interactive transglutaminase substrate database on web 2.0 surface. Amino Acids, 2009, 36, 615-617.	2.7	54
7	Proteomics investigation of OSCC-specific salivary biomarkers in a Hungarian population highlights the importance of identification of population-tailored biomarkers. PLoS ONE, 2017, 12, e0177282.	2.5	54
8	Phage display selection of efficient glutamine-donor substrate peptides for transglutaminase 2. Protein Science, 2006, 15, 2466-2480.	7.6	51
9	Tear fluid proteomics multimarkers for diabetic retinopathy screening. BMC Ophthalmology, 2013, 13, 40.	1.4	47
10	Substrate Preference of Transglutaminase 2 Revealed by Logistic Regression Analysis and Intrinsic Disorder Examination. Journal of Molecular Biology, 2008, 383, 390-402.	4.2	35
11	Combined Methods for Diabetic Retinopathy Screening, Using Retina Photographs and Tear Fluid Proteomics Biomarkers. Journal of Diabetes Research, 2015, 2015, 1-8.	2.3	35
12	Diabetic retinopathy: Proteomic approaches to help the differential diagnosis and to understand the underlying molecular mechanisms. Journal of Proteomics, 2017, 150, 351-358.	2.4	32
13	Hemoglobin oxidation generates globin-derived peptides in atherosclerotic lesions and intraventricular hemorrhage of the brain, provoking endothelial dysfunction. Laboratory Investigation, 2020, 100, 986-1002.	3.7	31
14	In vivo application of a small molecular weight antifungal protein of Penicillium chrysogenum (PAF). Toxicology and Applied Pharmacology, 2013, 269, 8-16.	2.8	30
15	Protein cross-linking by chlorinated polyamines and transglutamylation stabilizes neutrophil extracellular traps. Cell Death and Disease, 2016, 7, e2332-e2332.	6.3	24
16	Interactions of retinoids with the ABC transporters P-glycoprotein and Breast Cancer Resistance Protein. Scientific Reports, 2017, 7, 41376.	3.3	24
17	Heme-induced contractile dysfunction in Human cardiomyocytes caused by oxidant damage to thick filament proteins. Free Radical Biology and Medicine, 2015, 89, 248-262.	2.9	23
18	Effect of nano-sized, elemental selenium supplement on the proteome of chicken liver. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 502-510.	2.2	22

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19	ASCâ€¹ transporterâ€¹-dependent amino acid uptake is required for the efficient thermogenic response of human adipocytes to adrenergic stimulation. <i>FEBS Letters</i> , 2021, 595, 2085-2098.	2.8	22
20	Development of an enzymatic reactor applying spontaneously adsorbed trypsin on the surface of a PDMS microfluidic device. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3573-3585.	3.7	19
21	Comparative analysis of cytokine profiles of glaucomatous tears and aqueous humour reveals potential biomarkers for trabeculectomy complications. <i>FEBS Open Bio</i> , 2019, 9, 1020-1028.	2.3	19
22	Salivary IL-6 mRNA is a Robust Biomarker in Oral Squamous Cell Carcinoma. <i>Journal of Clinical Medicine</i> , 2019, 8, 1958.	2.4	19
23	Salivary proteome profiling of oral squamous cell carcinoma in a Hungarian population. <i>FEBS Open Bio</i> , 2018, 8, 556-569.	2.3	18
24	Embryonic exposure to low concentrations of aflatoxin B1 triggers global transcriptomic changes, defective yolk lipid mobilization, abnormal gastrointestinal tract development and inflammation in zebrafish. <i>Journal of Hazardous Materials</i> , 2021, 416, 125788.	12.4	18
25	Oxidation of Hemoglobin Drives a Proatherogenic Polarization of Macrophages in Human Atherosclerosis. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 917-950.	5.4	16
26	Prognostic Role of the Expression of Invasion-Related Molecules in Glioblastoma. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2017, 78, 12-19.	0.8	14
27	Structure-Function Relationships of Transglutaminases ? A Contemporary View. , 2005, 38, 19-36.		13
28	Wound-Healing Markers Revealed by Proximity Extension Assay in Tears of Patients following Glaucoma Surgery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4096.	4.1	13
29	Expression pattern of invasion-related molecules in the peritumoral brain. <i>Clinical Neurology and Neurosurgery</i> , 2015, 139, 138-143.	1.4	11
30	Salivary citrullinated proteins in rheumatoid arthritis and associated periodontal disease. <i>Scientific Reports</i> , 2021, 11, 13525.	3.3	11
31	Tumor Grade versus Expression of Invasion-Related Molecules in Astrocytoma. <i>Pathology and Oncology Research</i> , 2018, 24, 35-43.	1.9	10
32	Analysis of networks of host proteins in the early time points following HIV transduction. <i>BMC Bioinformatics</i> , 2019, 20, 398.	2.6	10
33	Tailoring to Search Engines: Bottom-Up Proteomics with Collision Energies Optimized for Identification Confidence. <i>Journal of Proteome Research</i> , 2021, 20, 474-484.	3.7	10
34	Proteomic analysis of protein phosphatase Z1 from <i>Candida albicans</i> . <i>PLoS ONE</i> , 2017, 12, e0183176.	2.5	10
35	Fast and Sensitive Quantification of AccQ-Tag Derivatized Amino Acids and Biogenic Amines by UHPLC-UV Analysis from Complex Biological Samples. <i>Metabolites</i> , 2022, 12, 272.	2.9	10
36	Metabolomic Analysis of Serum and Tear Samples from Patients with Obesity and Type 2 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4534.	4.1	10

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37	Compounds with Antiviral, Anti-Inflammatory and Anticancer Activity Identified in Wine from Hungary's Tokaj Region via High Resolution Mass Spectrometry and Bioinformatics Analyses. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9547.	4.1	9
38	The proteomic profile of a mouse model of proliferative vitreoretinopathy. <i>FEBS Open Bio</i> , 2017, 7, 1166-1177.	2.3	8
39	Investigation of Neutral Losses and the Citrulline Effect for Modified H4 N-Terminal Pentapeptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 565-573.	2.8	8
40	Construction of Unified Human Antimicrobial and Immunomodulatory Peptide Database and Examination of Antimicrobial and Immunomodulatory Peptides in Alzheimer's Disease Using Network Analysis of Proteomics Datasets. <i>Frontiers in Genetics</i> , 2021, 12, 633050.	2.3	8
41	Proteomics alterations in chicken jejunum caused by 24 h fasting. <i>PeerJ</i> , 2019, 7, e6588.	2.0	7
42	Relative quantification of human $\alpha$ -defensins by a proteomics approach based on selected reaction monitoring. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1623-1631.	1.5	6
43	Proteomic analysis of skeletal muscle at different live weights in Charolais bulls. <i>Acta Alimentaria</i> , 2015, 44, 132-138.	0.7	6
44	The application of a microfluidic reactor including spontaneously adsorbed trypsin for rapid protein digestion of human tear samples. <i>Proteomics - Clinical Applications</i> , 2017, 11, 1700055.	1.6	6
45	Heme-Induced Oxidation of Cysteine Groups of Myofilament Proteins Leads to Contractile Dysfunction of Permeabilized Human Skeletal Muscle Fibres. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8172.	4.1	5
46	Detection of Antimicrobial Peptides in Stratum Corneum by Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4233.	4.1	5
47	Examination of Oral Squamous Cell Carcinoma and Precancerous Lesions Using Proximity Extension Assay and Salivary RNA Quantification. <i>Biomedicines</i> , 2020, 8, 610.	3.2	4
48	Cellular Proteo-Transcriptomic Changes in the Immediate Early-Phase of Lentiviral Transduction. <i>Microorganisms</i> , 2021, 9, 2207.	3.6	4
49	Differences in Extracellular Matrix Composition and its Role in Invasion in Primary and Secondary Intracerebral Malignancies. <i>Anticancer Research</i> , 2017, 37, 4119-4126.	1.1	4
50	Tissue Transglutaminase Knock-Out Preadipocytes and Beige Cells of Epididymal Fat Origin Possess Decreased Mitochondrial Functions Required for Thermogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5175.	4.1	3
51	Effect of Concomitant Radiochemotherapy on Invasion Potential of Glioblastoma. <i>Pathology and Oncology Research</i> , 2016, 22, 155-160.	1.9	2
52	Comparative proteome analysis of skeletal muscle between Merino and Tsigai lambs. <i>Small Ruminant Research</i> , 2018, 158, 35-41.	1.2	2
53	Reduced Level of Tear Antimicrobial and Immunomodulatory Proteins as a Possible Reason for Higher Ocular Infections in Diabetic Patients. <i>Pathogens</i> , 2021, 10, 883.	2.8	2
54	Chemical Barrier Proteins in Human Body Fluids. <i>Biomedicines</i> , 2022, 10, 1472.	3.2	2

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55	The Expressional Pattern of Invasion-Related Extracellular Matrix Molecules in CNS Tumors. Cancer Investigation, 2018, 36, 492-503.	1.3	1
56	Structural Characterization of Daunomycin-Peptide Conjugates by Various Tandem Mass Spectrometric Techniques. International Journal of Molecular Sciences, 2021, 22, 1648.	4.1	1
57	Analysis of longevity in Holstein Friesian cattle using proteomic approaches. Agrártudományi Közlemények, 2012, , 21-25.	0.3	0
58	Relationship between Plasma Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) Level and Proteome Profile of Cows. Animals, 2022, 12, 1559.	2.3	0