

Michael Toft Overgaard

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3076674/michael-toft-overgaard-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

108
papers

6,217
citations

43
h-index

77
g-index

122
ext. papers

6,917
ext. citations

5.4
avg, IF

5.15
L-index

#	Paper	IF	Citations
108	Proteomic characterization of pilot scale hot-water extracts from the industrial carrageenan red seaweed <i>Eucheuma denticulatum</i> . <i>Algal Research</i> , 2022 , 62, 102619	5	1
107	A systematic approach for evaluating the role of surface-exposed loops in trypsin-like serine proteases applied to the 170 loop in coagulation factor VIIa.. <i>Scientific Reports</i> , 2022 , 12, 3747	4.9	1
106	Plasma proteomics data from hibernating and active Scandinavian brown bears.. <i>Data in Brief</i> , 2022 , 41, 107959	1.2	0
105	Antioxidant peptides derived from potato, seaweed, microbial and spinach proteins: Oxidative stability of 5% fish oil-in-water emulsions.. <i>Food Chemistry</i> , 2022 , 385, 132699	8.5	1
104	Characterization and comparison of recombinant full-length ursine and human sex hormone-binding globulin. <i>FEBS Open Bio</i> , 2021 ,	2.7	1
103	The structure, viscoelasticity and charge of potato peptides adsorbed at the oil-water interface determine the physicochemical stability of fish oil-in-water emulsions. <i>Food Hydrocolloids</i> , 2021 , 115, 106605	10.6	14
102	Infanticide vs. inherited cardiac arrhythmias. <i>Europace</i> , 2021 , 23, 441-450	3.9	2
101	Emulsifier peptides derived from seaweed, methanotrophic bacteria, and potato proteins identified by quantitative proteomics and bioinformatics. <i>Food Chemistry</i> , 2021 , 362, 130217	8.5	6
100	The arrhythmogenic N53I variant subtly changes the structure and dynamics in the calmodulin N-terminal domain, altering its interaction with the cardiac ryanodine receptor. <i>Journal of Biological Chemistry</i> , 2020 , 295, 7620-7634	5.4	12
99	Arrhythmia mutations in calmodulin can disrupt cooperativity of Ca binding and cause misfolding. <i>Journal of Physiology</i> , 2020 , 598, 1169-1186	3.9	15
98	Identification of emulsifier potato peptides by bioinformatics: application to omega-3 delivery emulsions and release from potato industry side streams. <i>Scientific Reports</i> , 2020 , 10, 690	4.9	18
97	The brown bear as a translational model for sedentary lifestyle-related diseases. <i>Journal of Internal Medicine</i> , 2020 , 287, 263-270	10.8	13
96	Emulsifying peptides from potato protein predicted by bioinformatics: Stabilization of fish oil-in-water emulsions. <i>Food Hydrocolloids</i> , 2020 , 101, 105529	10.6	22
95	Role of cardiac ryanodine receptor calmodulin-binding domains in mediating the action of arrhythmogenic calmodulin N-domain mutation N54I. <i>FEBS Journal</i> , 2020 , 287, 2256-2280	5.7	5
94	Biofunctionality of Enzymatically Derived Peptides from Codfish () Frame: Bulk In Vitro Properties, Quantitative Proteomics, and Bioinformatic Prediction. <i>Marine Drugs</i> , 2020 , 18,	6	4
93	AnOxPePred: using deep learning for the prediction of antioxidative properties of peptides. <i>Scientific Reports</i> , 2020 , 10, 21471	4.9	24
92	Beating tissue factor at its own game: Design and properties of a soluble tissue factor-independent coagulation factor VIIa. <i>Journal of Biological Chemistry</i> , 2020 , 295, 517-528	5.4	6

91	Diminished inhibition and facilitated activation of RyR2-mediated Ca release is a common defect of arrhythmogenic calmodulin mutations. <i>FEBS Journal</i> , 2019 , 286, 4554-4578	5.7	8
90	Allostery in Coagulation Factor VIIa Revealed by Ensemble Refinement of Crystallographic Structures. <i>Biophysical Journal</i> , 2019 , 116, 1823-1835	2.9	3
89	Therapeutic endometrial scratching and implantation after in vitro fertilization: a multicenter randomized controlled trial. <i>Fertility and Sterility</i> , 2019 , 112, 1015-1021	4.8	17
88	Ca-dependent calmodulin binding to cardiac ryanodine receptor (RyR2) calmodulin-binding domains. <i>Biochemical Journal</i> , 2019 , 476, 193-209	3.8	13
87	Dissection of the antimicrobial and hemolytic activity of Cap18: Generation of Cap18 derivatives with enhanced specificity. <i>PLoS ONE</i> , 2018 , 13, e0197742	3.7	7
86	Biological age of the endometrium using DNA methylation. <i>Reproduction</i> , 2018 , 155, 167-172	3.8	6
85	Monoclonal antibodies targeting the disintegrin-like domain of ADAMDEC1 modulates the proteolytic activity and enables quantification of ADAMDEC1 protein in human plasma. <i>MAbs</i> , 2018 , 10, 118-128	6.6	4
84	Human Calmodulin Mutations. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 396	6.1	38
83	Arrhythmia mutations in calmodulin cause conformational changes that affect interactions with the cardiac voltage-gated calcium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10556-E10565	11.5	20
82	Antimicrobial peptide CAP18 and its effect on <i>Yersinia ruckeri</i> infections in rainbow trout <i>Oncorhynchus mykiss</i> (Walbaum): comparing administration by injection and oral routes. <i>Journal of Fish Diseases</i> , 2017 , 40, 97-104	2.6	7
81	The Arrhythmogenic Calmodulin p.Phe142Leu Mutation Impairs C-domain Ca ²⁺ Binding but Not Calmodulin-dependent Inhibition of the Cardiac Ryanodine Receptor. <i>Journal of Biological Chemistry</i> , 2017 , 292, 1385-1395	5.4	21
80	Biochemical Foundations of Health and Energy Conservation in Hibernating Free-ranging Subadult Brown Bear <i>Ursus arctos</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 22509-22523	5.4	25
79	Molecular Basis of Enhanced Activity in Factor VIIa-Trypsin Variants Conveys Insights into Tissue Factor-mediated Allosteric Regulation of Factor VIIa Activity. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4671-83	5.4	13
78	Abnormal IGF-Binding Protein Profile in the Bone Marrow of Multiple Myeloma Patients. <i>PLoS ONE</i> , 2016 , 11, e0154256	3.7	5
77	The insulin-like growth factor system in multiple myeloma: diagnostic and therapeutic potential. <i>Oncotarget</i> , 2016 , 7, 48732-48752	3.3	26
76	Evidence for restricted reactivity of ADAMDEC1 with protein substrates and endogenous inhibitors. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6620-9	5.4	7
75	Arrhythmogenic Calmodulin Mutations Affect the Activation and Termination of Cardiac Ryanodine Receptor-mediated Ca ²⁺ Release. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26151-62	5.4	45
74	A Novel Locus Harboring a Functional CD164 Nonsense Mutation Identified in a Large Danish Family with Nonsyndromic Hearing Impairment. <i>PLoS Genetics</i> , 2015 , 11, e1005386	6	13

73	The Insulin-Like Growth Factor System in the Long-Lived Naked Mole-Rat. <i>PLoS ONE</i> , 2015 , 10, e0145587	3.7	11
72	Calmodulin mutations causing catecholaminergic polymorphic ventricular tachycardia confer opposing functional and biophysical molecular changes. <i>FEBS Journal</i> , 2015 , 282, 803-16	5.7	33
71	Comparative Evaluation of the Antimicrobial Activity of Different Antimicrobial Peptides against a Range of Pathogenic Bacteria. <i>PLoS ONE</i> , 2015 , 10, e0144611	3.7	97
70	Heparin-binding mechanism of the IGF2/IGF-binding protein 2 complex. <i>Journal of Molecular Endocrinology</i> , 2014 , 52, 345-55	4.5	13
69	Calmodulin mutations associated with long QT syndrome prevent inactivation of cardiac L-type Ca(2+) currents and promote proarrhythmic behavior in ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 115-24	5.8	107
68	The IGF-1 receptor inhibitor picropodophyllin potentiates the anti-myeloma activity of a BH3-mimetic. <i>Oncotarget</i> , 2014 , 5, 11193-208	3.3	13
67	Study of the tryptophan-terbium FRET pair coupled to silver nanoprisms for biosensing applications. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8838-44	3.6	4
66	ADAMDEC1 is a metzincin metalloprotease with dampened proteolytic activity. <i>Journal of Biological Chemistry</i> , 2013 , 288, 21367-21375	5.4	19
65	Calmodulin in a heartbeat. <i>FEBS Journal</i> , 2013 , 280, 5511-32	5.7	57
64	IGF dependent modulation of IGF binding protein (IGFBP) proteolysis by pregnancy-associated plasma protein-A (PAPP-A): multiple PAPP-A-IGFBP interaction sites. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 2701-9	4	8
63	Effects of mutated pregnancy-associated plasma protein-a on atherosclerotic lesion development in mice. <i>Endocrinology</i> , 2013 , 154, 246-52	4.8	13
62	Constitutive expression of pregnancy-associated plasma protein-A in arterial smooth muscle reduces the vascular response to injury in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E139-44	6	9
61	A robust immunoassay for pregnancy-associated plasma protein-A2 based on analysis of circulating antigen: establishment of normal ranges in pregnancy. <i>Molecular Human Reproduction</i> , 2013 , 19, 756-63	4.4	20
60	Expression of Fap amyloids in <i>Pseudomonas aeruginosa</i> , <i>P. fluorescens</i> , and <i>P. putida</i> results in aggregation and increased biofilm formation. <i>MicrobiologyOpen</i> , 2013 , 2, 365-82	3.4	105
59	Mutations in calmodulin cause ventricular tachycardia and sudden cardiac death. <i>American Journal of Human Genetics</i> , 2012 , 91, 703-12	11	282
58	Lack of functional pregnancy-associated plasma protein-A (PAPPA) compromises mouse ovarian steroidogenesis and female fertility. <i>Biology of Reproduction</i> , 2010 , 82, 1129-38	3.9	46
57	Transgenic overexpression of pregnancy-associated plasma protein-A in murine arterial smooth muscle accelerates atherosclerotic lesion development. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H284-91	5.2	50
56	Severe preeclampsia-related changes in gene expression at the maternal-fetal interface include sialic acid-binding immunoglobulin-like lectin-6 and pappalysin-2. <i>Endocrinology</i> , 2009 , 150, 452-62	4.8	125

55	The Bacillus subtilis RNA helicase YxiN is distended in solution. <i>Biophysical Journal</i> , 2008 , 94, L01-3	2.9	21
54	Inhibition of the proteolytic activity of pregnancy-associated plasma protein-A by targeting substrate exosite binding. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16772-80	5.4	33
53	Expression of membrane progesterone receptors on human T lymphocytes and Jurkat cells and activation of G-proteins by progesterone. <i>Journal of Endocrinology</i> , 2008 , 196, 67-77	4.7	126
52	Prognostic value of circulating pregnancy-associated plasma protein levels in patients with chronic stable angina. <i>European Heart Journal</i> , 2006 , 27, 1678-84	9.5	61
51	Dickkopf-1, an inhibitor of Wnt signaling, is regulated by progesterone in human endometrial stromal cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 1453-61	5.6	100
50	Cytokine stimulation of pregnancy-associated plasma protein A expression in human coronary artery smooth muscle cells: inhibition by resveratrol. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 290, C183-8	5.4	50
49	Participation of mitogen-activated protein kinase in luteinizing hormone-induced differential regulation of steroidogenesis and steroidogenic gene expression in mural and cumulus granulosa cells of mouse preovulatory follicles. <i>Biology of Reproduction</i> , 2006 , 75, 859-67	3.9	56
48	The domain of the Bacillus subtilis DEAD-box helicase YxiN that is responsible for specific binding of 23S rRNA has an RNA recognition motif fold. <i>Rna</i> , 2006 , 12, 959-67	5.8	53
47	Molecular phenotyping of human endometrium distinguishes menstrual cycle phases and underlying biological processes in normo-ovulatory women. <i>Endocrinology</i> , 2006 , 147, 1097-121	4.8	452
46	The GH-IGF-IGFBP axis is changed in Turner syndrome: partial normalization by HRT. <i>Growth Hormone and IGF Research</i> , 2006 , 16, 332-9	2	15
45	Definition, expression, and characterization of a protein domain in the N-terminus of pregnancy-associated plasma protein-A distantly related to the family of laminin G-like modules. <i>Protein Expression and Purification</i> , 2006 , 48, 261-73	2	13
44	Proteinase inhibition by proform of eosinophil major basic protein (pro-MBP) is a multistep process of intra- and intermolecular disulfide rearrangements. <i>Journal of Biological Chemistry</i> , 2005 , 280, 9823-32	5.4	33
43	Relationship among pregnancy associated plasma protein-A levels, clinical characteristics, and coronary artery disease extent in patients with chronic stable angina pectoris. <i>European Heart Journal</i> , 2005 , 26, 2093-8	9.5	71
42	Pregnancy-associated plasma protein a gene expression as a target of inflammatory cytokines. <i>Endocrinology</i> , 2004 , 145, 1124-9	4.8	62
41	Proteolytic degradation of IGF-binding protein (IGFBP)-2 in equine ovarian follicles: involvement of pregnancy-associated plasma protein-A (PAPP-A) and association with dominant but not subordinated follicles. <i>Journal of Endocrinology</i> , 2004 , 182, 457-66	4.7	26
40	Pregnancy-associated plasma protein A and its endogenous inhibitor, the proform of eosinophil major basic protein (proMBP), are related to complex stenosis morphology in patients with stable angina pectoris. <i>Circulation</i> , 2004 , 109, 1724-8	16.7	78
39	The Lin12-notch repeats of pregnancy-associated plasma protein-A bind calcium and determine its proteolytic specificity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 38525-31	5.4	43
38	Metalloproteinase pregnancy-associated plasma protein A is a critical growth regulatory factor during fetal development. <i>Development (Cambridge)</i> , 2004 , 131, 1187-94	6.6	211

37	Cell surface adhesion of pregnancy-associated plasma protein-A is mediated by four clusters of basic residues located in its third and fourth CCP module. <i>FEBS Journal</i> , 2004 , 271, 1525-35		27
36	Pregnancy-associated plasma protein-A (PAPP-A) expression and insulin-like growth factor binding protein-4 protease activity in normal and malignant ovarian surface epithelial cells. <i>International Journal of Cancer</i> , 2004 , 110, 633-40	7.5	24
35	Screening for Down's syndrome in early and late first and second trimester using six maternal serum markers. <i>Clinical Genetics</i> , 2004 , 65, 11-6	4	13
34	Up date on IGFBP-4: regulation of IGFBP-4 levels and functions, in vitro and in vivo. <i>Growth Hormone and IGF Research</i> , 2004 , 14, 71-84	2	57
33	IGFBP-4 degradation by pregnancy-associated plasma protein-A in MC3T3 osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 325, 698-706	3.4	9
32	Inhibition of proteolysis by the proform of eosinophil major basic protein (proMBP) requires covalent binding to its target proteinase. <i>FEBS Letters</i> , 2004 , 560, 147-52	3.8	22
31	Pappalysin-1 (pregnancy-associated plasma protein-A) 2004 , 754-757		4
30	Localization and regulation of pregnancy-associated plasma protein a expression in healing human skin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 4465-71	5.6	62
29	Biochemical mechanism of action of a diketopiperazine inactivator of plasminogen activator inhibitor-1. <i>Biochemical Journal</i> , 2003 , 373, 723-32	3.8	39
28	Transforming growth factor-beta regulation of the insulin-like growth factor binding protein-4 protease system in cultured human osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2003 , 18, 1066-72	6.3	55
27	Complex of pregnancy-associated plasma protein-A and the proform of eosinophil major basic protein. Disulfide structure and carbohydrate attachment. <i>Journal of Biological Chemistry</i> , 2003 , 278, 2106-17	5.4	54
26	Pregnancy-associated plasma protein-A is involved in insulin-like growth factor binding protein-2 (IGFBP-2) proteolytic degradation in bovine and porcine preovulatory follicles: identification of cleavage site and characterization of IGFBP-2 degradation. <i>Biology of Reproduction</i> , 2003 , 68, 77-86	3.9	108
25	Expression of recombinant murine pregnancy-associated plasma protein-A (PAPP-A) and a novel variant (PAPP-Ai) with differential proteolytic activity. <i>FEBS Journal</i> , 2002 , 269, 2247-56		25
24	Cell surface targeting of pregnancy-associated plasma protein A proteolytic activity. Reversible adhesion is mediated by two neighboring short consensus repeats. <i>Journal of Biological Chemistry</i> , 2002 , 277, 47225-34	5.4	76
23	Molecular regulation of the IGF-binding protein-4 protease system in human fibroblasts: identification of a novel inducible inhibitor. <i>Endocrinology</i> , 2002 , 143, 1199-205	4.8	32
22	Identification and regulation of the IGFBP-4 protease and its physiological inhibitor in human trophoblasts and endometrial stroma: evidence for paracrine regulation of IGF-II bioavailability in the placental bed during human implantation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 2250-4	5.6	106
21	Substrate specificity of the metalloproteinase pregnancy-associated plasma protein-A (PAPP-A) assessed by mutagenesis and analysis of synthetic peptides: substrate residues distant from the scissile bond are critical for proteolysis. <i>Biochemical Journal</i> , 2002 , 367, 31-40	3.8	61
20	Pregnancy-associated plasma protein A proteolytic activity is associated with the human placental trophoblast cell membrane. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 5235-40	5.6	51

19	Mutational analysis of the proteolytic domain of pregnancy-associated plasma protein-A (PAPP-A): classification as a metzincin. <i>Biochemical Journal</i> , 2001 , 358, 359-367	3.8	133
18	Mutational analysis of the proteolytic domain of pregnancy-associated plasma protein-A (PAPP-A): classification as a metzincin. <i>Biochemical Journal</i> , 2001 , 358, 359-67	3.8	90
17	Pregnancy-associated plasma protein-A2 (PAPP-A2), a novel insulin-like growth factor-binding protein-5 proteinase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21849-53	5.4	175
16	Insulin-like growth factor binding protein-4 protease produced by smooth muscle cells increases in the coronary artery after angioplasty. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 335-41	9.4	124
15	Pregnancy-associated plasma protein-A (PAPP-A) in ovine, bovine, porcine, and equine ovarian follicles: involvement in IGF binding protein-4 proteolytic degradation and mRNA expression during follicular development. <i>Endocrinology</i> , 2001 , 142, 5243-53	4.8	90
14	Pregnancy-associated plasma protein A as a marker of acute coronary syndromes. <i>New England Journal of Medicine</i> , 2001 , 345, 1022-9	59.2	444
13	Pregnancy-associated plasma protein-A (PAPP-A) cleaves insulin-like growth factor binding protein (IGFBP)-5 independent of IGF: implications for the mechanism of IGFBP-4 proteolysis by PAPP-A. <i>FEBS Letters</i> , 2001 , 504, 36-40	3.8	212
12	Quantification and Characterization of Pregnancy-associated Complexes of Angiotensinogen and the Proform of Eosinophil Major Basic Protein in Serum and Amniotic Fluid. <i>Clinical Chemistry</i> , 2000 , 46, 1099-1105	5.5	32
11	Expression of recombinant human pregnancy-associated plasma protein-A and identification of the proform of eosinophil major basic protein as its physiological inhibitor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 31128-33	5.4	140
10	Evidence that the insulin-like growth factor binding protein-4 protease in human ovarian follicular fluid is pregnancy associated plasma protein-A. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 4742-5	5.6	98
9	Messenger ribonucleic acid levels of pregnancy-associated plasma protein-A and the proform of eosinophil major basic protein: expression in human reproductive and nonreproductive tissues. <i>Biology of Reproduction</i> , 1999 , 61, 1083-9	3.9	93
8	Biochemical evidence for heme linkage through esters with Asp-93 and Glu-241 in human eosinophil peroxidase. The ester with Asp-93 is only partially formed in vivo. <i>Journal of Biological Chemistry</i> , 1999 , 274, 16953-8	5.4	61
7	Regulation of human ADAM 12 protease by the prodomain. Evidence for a functional cysteine switch. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13427-33	5.4	107
6	The proform of eosinophil major basic protein: a new maternal serum marker for Down syndrome. <i>Prenatal Diagnosis</i> , 1999 , 19, 905-10	3.2	25
5	The insulin-like growth factor (IGF)-dependent IGF binding protein-4 protease secreted by human fibroblasts is pregnancy-associated plasma protein-A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 3149-53	11.5	563
4	Simple and reliable procedure for PCR amplification of genomic DNA from yeast cells using short sequencing primers. <i>IUBMB Life</i> , 1997 , 42, 169-72	4.7	2
3	Complete cDNA sequence of the preproform of human pregnancy-associated plasma protein-A. Evidence for expression in the brain and induction by cAMP. <i>FEBS Journal</i> , 1996 , 237, 159-63		21
2	Pregnancy-Associated Plasma Protein-A (PAPP-A) in Ovine, Bovine, Porcine, and Equine Ovarian Follicles: Involvement in IGF Binding Protein-4 Proteolytic Degradation and mRNA Expression During Follicular Development		33

1 Proteomic characterization of pilot scale hot-water extracts from the industrial carrageenan red seaweed *Eucheuma denticulatum*

2