

Emer S Ferro

List of Publications by Year in descending order

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107
papers

4,215
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101543

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docs citations

109
times ranked

3508
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Genomics of Two <i>Leptospira interrogans</i> Serovars Reveals Novel Insights into Physiology and Pathogenesis. <i>Journal of Bacteriology</i> , 2004, 186, 2164-2172.	2.2	406
2	Comparative Analyses of the Complete Genome Sequences of Pierce's Disease and Citrus Variegated Chlorosis Strains of <i>Xylella fastidiosa</i> . <i>Journal of Bacteriology</i> , 2003, 185, 1018-1026.	2.2	307
3	Hemopressin is an inverse agonist of CB ₁ cannabinoid receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20588-20593.	7.1	216
4	Novel Natural Peptide Substrates for Endopeptidase 24.15, Neurolysin, and Angiotensin-converting Enzyme. <i>Journal of Biological Chemistry</i> , 2003, 278, 8547-8555.	3.4	142
5	Novel endogenous peptide agonists of cannabinoid receptors. <i>FASEB Journal</i> , 2009, 23, 3020-3029.	0.5	135
6	The Genome Sequence of the Gram-Positive Sugarcane Pathogen <i>Leifsonia xyli</i> subsp. <i>xyli</i> . <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 827-836.	2.6	119
7	Hemoglobin-derived Peptides as Novel Type of Bioactive Signaling Molecules. <i>AAPS Journal</i> , 2010, 12, 658-669.	4.4	102
8	Conformation State-sensitive Antibodies to G-protein-coupled Receptors*. <i>Journal of Biological Chemistry</i> , 2007, 282, 5116-5124.	3.4	94
9	Intracellular Peptides as Natural Regulators of Cell Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 24448-24459.	3.4	84
10	Neuropeptide Specificity and Inhibition of Recombinant Isoforms of the Endopeptidase 3.4.24.16 Family: Comparison with the Related Recombinant Endopeptidase 3.4.24.15. <i>Biochemical and Biophysical Research Communications</i> , 1998, 250, 5-11.	2.1	80
11	Substrate Specificity Characterization of Recombinant Metallo Oligo-Peptidases Thimet Oligopeptidase and Neurolysin. <i>Biochemistry</i> , 2001, 40, 4417-4425.	2.5	77
12	Thimet Oligopeptidase (EC 3.4.24.15), a Novel Protein on the Route of MHC Class I Antigen Presentation. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 591-595.	2.1	74
13	Intracellular peptides as putative natural regulators of protein interactions. <i>Journal of Neurochemistry</i> , 2004, 91, 769-777.	3.9	74
14	Alterations of the Intracellular Peptidome in Response to the Proteasome Inhibitor Bortezomib. <i>PLoS ONE</i> , 2013, 8, e53263.	2.5	72
15	Analysis of Intracellular Substrates and Products of Thimet Oligopeptidase in Human Embryonic Kidney 293 Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 14105-14116.	3.4	64
16	Peptidomic Analysis of Human Cell Lines. <i>Journal of Proteome Research</i> , 2011, 10, 1583-1592.	3.7	64
17	Structural features that make oligopeptides susceptible substrates for hydrolysis by recombinant thimet oligopeptidase. <i>Biochemical Journal</i> , 1997, 324, 517-522.	3.7	63
18	The association of metalloendopeptidase EC 3.4.24.15 at the extracellular surface of the AtT-20 cell plasma membrane. <i>Brain Research</i> , 1999, 835, 113-124.	2.2	62

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19	Hemopressins and other hemoglobin-derived peptides in mouse brain: comparison between brain, blood, and heart peptidome and regulation in <i>Cpe^{fat/fat}</i> mice. <i>Journal of Neurochemistry</i> , 2010, 113, 871-880.	3.9	62
20	Peptidomic Analysis of HEK293T Cells: Effect of the Proteasome Inhibitor Epoxomicin on Intracellular Peptides. <i>Journal of Proteome Research</i> , 2012, 11, 1981-1990.	3.7	55
21	Secretion of Metalloendopeptidase 24.15 (EC 3.4.24.15). <i>DNA and Cell Biology</i> , 1999, 18, 781-789.	1.9	54
22	Antinociceptive action of hemopressin in experimental hyperalgesia. <i>Peptides</i> , 2005, 26, 431-436.	2.4	54
23	CCP1/Nna1 functions in protein turnover in mouse brain: Implications for cell death in <i>Purkinje cell degeneration</i> mice. <i>FASEB Journal</i> , 2010, 24, 1813-1823.	0.5	52
24	Comparative fine structural distribution of endopeptidase 24.15 (EC3.4.24.15) and 24.16 (EC3.4.24.16) in rat brain. <i>Journal of Comparative Neurology</i> , 2001, 438, 399-410.	1.6	51
25	Thimet Oligopeptidase and the Stability of MHC Class I Epitopes in Macrophage Cytosol. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 596-601.	2.1	50
26	Neurons of the chick brain and retina expressing both α -bungarotoxin-sensitive and α -bungarotoxin-insensitive nicotinic acetylcholine receptors: an immunohistochemical analysis. <i>Brain Research</i> , 1992, 590, 193-200.	2.2	48
27	Differential subcellular distribution of neurolysin (EC 3.4.24.16) and thimet oligopeptidase (EC Tj ETQq1 1 0.784314 rgBT / Overlock	2.2	47
28	Intracellular peptides: From discovery to function. <i>EuPA Open Proteomics</i> , 2014, 3, 143-151.	2.5	47
29	Identification of intracellular peptides in rat adipose tissue: Insights into insulin resistance. <i>Proteomics</i> , 2012, 12, 2668-2681.	2.2	44
30	Proteasome Inhibitors Alter Levels of Intracellular Peptides in HEK293T and SH-SY5Y Cells. <i>PLoS ONE</i> , 2014, 9, e103604.	2.5	44
31	The Neuropeptide Processing Enzyme EC 3.4.24.15 Is Modulated by Protein Kinase A Phosphorylation. <i>Journal of Biological Chemistry</i> , 2000, 275, 36514-36522.	3.4	43
32	A Novel Intracellular Peptide Derived from G1/S Cyclin D2 Induces Cell Death. <i>Journal of Biological Chemistry</i> , 2014, 289, 16711-16726.	3.4	42
33	Neurolysin Knockout Mice Generation and Initial Phenotype Characterization. <i>Journal of Biological Chemistry</i> , 2014, 289, 15426-15440.	3.4	41
34	ACE gene titration in mice uncovers a new mechanism for ACE on the control of body weight. <i>Physiological Genomics</i> , 2005, 20, 173-182.	2.3	38
35	Natural intracellular peptides can modulate the interactions of mouse brain proteins and thimet oligopeptidase with α -calmodulin and calmodulin. <i>Proteomics</i> , 2012, 12, 2641-2655.	2.2	38
36	Tumour-derived transforming growth factor β signalling contributes to fibrosis in patients with cancer cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 1045-1059.	7.3	38

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37	Selective Neurotensin-Derived Internally Quenched Fluorogenic Substrates for Neurolysin (EC Tj ETQq1 1 0.784314 rgBT /Overlock 101 Biochemistry, 2001, 292, 257-265.	2.4	36
38	Intracellular Peptides in Cell Biology and Pharmacology. Biomolecules, 2019, 9, 150.	4.0	34
39	Secretion of a Neuropeptide-Metabolizing Enzyme Similar to Endopeptidase 22.19 by Glioma C6-Cells. Biochemical and Biophysical Research Communications, 1993, 191, 275-281.	2.1	33
40	Confocal Microscopy Reveals Thimet Oligopeptidase (EC 3.4.24.15) and Neurolysin (EC 3.4.24.16) in the Classical Secretory Pathway. DNA and Cell Biology, 1999, 18, 323-331.	1.9	33
41	Modulation of bradykinin signaling by EP24.15 and EP24.16 in cultured trigeminal ganglia. Journal of Neurochemistry, 2006, 97, 13-21.	3.9	33
42	Molecular and Immunochemical Evidences Demonstrate That Endooligopeptidase A Is the Predominant Cytosolic Oligopeptidase of Rabbit Brain. Biochemical and Biophysical Research Communications, 2000, 269, 7-13.	2.1	30
43	Differential expression of glycosaminoglycans and proteoglycans in the migratory pathway of the primordial germ cells of the mouse. Histochemistry and Cell Biology, 2002, 118, 69-78.	1.7	29
44	14-3-3 epsilon modulates the stimulated secretion of endopeptidase 24.15. Journal of Neurochemistry, 2005, 93, 10-25.	3.9	29
45	Oligomerization of the cysteinyl-rich oligopeptidase EP24.15 is triggered by S-glutathionylation. Free Radical Biology and Medicine, 2008, 44, 1180-1190.	2.9	29
46	Hemopressin, an inverse agonist of cannabinoid receptors, inhibits neuropathic pain in rats. Peptides, 2014, 56, 125-131.	2.4	29
47	Anxiogenic-like effects induced by hemopressin in rats. Pharmacology Biochemistry and Behavior, 2015, 129, 7-13.	2.9	29
48	Analysis of the Yeast Peptidome and Comparison with the Human Peptidome. PLoS ONE, 2016, 11, e0163312.	2.5	28
49	A novel bradykinin potentiating peptide isolated from <i>Bothrops jararacussu</i> venom using catalytically inactive oligopeptidase EP24.15. FEBS Journal, 2008, 275, 2442-2454.	4.7	27
50	Peptidomic analysis of the neurolysin-knockout mouse brain. Journal of Proteomics, 2014, 111, 238-248.	2.4	25
51	A structure-based site-directed mutagenesis study on the neurolysin (EC 3.4.24.16) and thimet oligopeptidase (EC 3.4.24.15) catalysis. FEBS Letters, 2003, 541, 89-92.	2.8	23
52	Inhibition of thimet oligopeptidase by siRNA alters specific intracellular peptides and potentiates isoproterenol signal transduction. FEBS Letters, 2012, 586, 3287-3292.	2.8	23
53	The Intracellular Pharmacokinetics of Terminally Capped Peptides. Molecular Pharmaceutics, 2012, 9, 1077-1086.	4.6	23
54	Structural requirements of bioactive peptides for interaction with endopeptidase 22.19. Neuropeptides, 1994, 26, 281-287.	2.2	22

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55	A Transcript Finishing Initiative for Closing Gaps in the Human Transcriptome. <i>Genome Research</i> , 2004, 14, 1413-1423.	5.5	22
56	Modulation of subventricular zone oligodendrogenesis: a role for hemopressin?. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 59.	3.7	22
57	A Cyclin D2-derived peptide acts on specific cell cycle phases by activating ERK1/2 to cause the death of breast cancer cells. <i>Journal of Proteomics</i> , 2017, 151, 24-32.	2.4	21
58	Thimet Oligopeptidase (EC 3.4.24.15) Key Functions Suggested by Knockout Mice Phenotype Characterization. <i>Biomolecules</i> , 2019, 9, 382.	4.0	21
59	The Intracellular Distribution and Secretion of Endopeptidases 24.15 415 (Ec 3.4.24.15) and 24.16 (Ec Tj ETQq1 1,0,784314,rgBT /Ome	0.9	21
60	Peptidase activities in rats treated chronically with N-nitro-l-arginine methyl ester (L-NAME). <i>Biochemical Pharmacology</i> , 2004, 68, 205-214.	4.4	20
61	Substrate phosphorylation affects degradation and interaction to endopeptidase 24.15, neurolysin, and angiotensin-converting enzyme. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 520-525.	2.1	19
62	Role of the Cys18â€“Cys274 disulfide bond and of the third extracellular loop in the constitutive activation and internalization of angiotensin II type 1 receptor. <i>Regulatory Peptides</i> , 2006, 134, 132-140.	1.9	19
63	The role of Tyr605 and Ala607 of thimet oligopeptidase and Tyr606 and Gly608 of neurolysin in substrate hydrolysis and inhibitor binding. <i>Biochemical Journal</i> , 2007, 404, 279-288.	3.7	19
64	A novel peptide that improves metabolic parameters without adverse central nervous system effects. <i>Scientific Reports</i> , 2017, 7, 14781.	3.3	19
65	Reduced Levels of Proteasome Products in a Mouse Striatal Cell Model of Huntingtonâ€™s Disease. <i>PLoS ONE</i> , 2015, 10, e0145333.	2.5	19
66	Calcium modulates endopeptidase 24.15 (EC 3.4.24.15) membrane association, secondary structure and substrate specificity. <i>FEBS Journal</i> , 2005, 272, 2978-2992.	4.7	18
67	Similar Intracellular Peptide Profile of TAP1/Î²2 Microglobulin Double-Knockout Mice and C57BL/6 Wild-Type Mice as Revealed by Peptidomic Analysis. <i>AAPS Journal</i> , 2010, 12, 608-616.	4.4	18
68	Temperature and salts effects on the peptidase activities of the recombinant metallooligopeptidases neurolysin and thimet oligopeptidase. <i>FEBS Journal</i> , 2002, 269, 4326-4334.	0.2	17
69	Neurolysin: From Initial Detection to Latest Advances. <i>Neurochemical Research</i> , 2018, 43, 2017-2024.	3.3	17
70	Thimet Oligopeptidase Biochemical and Biological Significances: Past, Present, and Future Directions. <i>Biomolecules</i> , 2020, 10, 1229.	4.0	17
71	Characterization of Intracellular Peptides from Zebrafish (<i>Danio rerio</i>) Brain. <i>Zebrafish</i> , 2019, 16, 240-251.	1.1	16
72	Interferon-gamma activity is potentiated by an intracellular peptide derived from the human 19S ATPase regulatory subunit 4 of the proteasome. <i>Journal of Proteomics</i> , 2017, 151, 74-82.	2.4	15

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73	Hemopressin as a breakthrough for the cannabinoid field. <i>Neuropharmacology</i> , 2021, 183, 108406.	4.1	15
74	Endo-Oligopeptidase A., a Putative Enkephalin-Generating Enzyme, in the Vertebrate Retina. <i>Journal of Neurochemistry</i> , 1991, 57, 1643-1649.	3.9	13
75	The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. <i>Biomolecules</i> , 2020, 10, 321.	4.0	13
76	Interleukin-2 as immunotherapeutic in the autoimmune diseases. <i>International Immunopharmacology</i> , 2020, 81, 106296.	3.8	13
77	The Cysteine-Rich Protein Thimet Oligopeptidase as a Model of the Structural Requirements for S-glutathiolation and Oxidative Oligomerization. <i>PLoS ONE</i> , 2012, 7, e39408.	2.5	13
78	Species Specificity of Thimet Oligopeptidase (EC 3.4.24.15). <i>Biological Chemistry Hoppe-Seyler</i> , 1996, 377, 283-292.	1.4	12
79	AGH is a new hemoglobin alpha-chain fragment with antinociceptive activity. <i>Peptides</i> , 2013, 48, 10-20.	2.4	12
80	Dynorphin-Derived Peptides Reveal the Presence of a Critical Cysteine for the Activity of Brain Endo-oligopeptidase A. <i>Biochemical and Biophysical Research Communications</i> , 1993, 197, 501-507.	2.1	11
81	Expression of the AMPA-type glutamate receptor subunits in the chick optic tectum changes biphasically after retinal deafferentation. <i>Brain Research</i> , 1998, 810, 283-287.	2.2	11
82	Characterization of thiol-, aspartyl-, and thiol-metallo-peptidase activities in Madin-Darby canine kidney cells. <i>Journal of Cellular Biochemistry</i> , 2000, 76, 478-488.	2.6	11
83	Characterization of an endooligopeptidase A-like protein in PC12 cells: Activity modulation by cAMP but not by basic fibroblast growth factor. <i>Journal of Cellular Biochemistry</i> , 1995, 57, 311-320.	2.6	10
84	Interaction with calmodulin is important for the secretion of thimet oligopeptidase following stimulation. <i>FEBS Journal</i> , 2009, 276, 4358-4371.	4.7	10
85	Generation of G protein-coupled receptor antibodies differentially sensitive to conformational states. <i>PLoS ONE</i> , 2017, 12, e0187306.	2.5	10
86	Using Mass Spectrometry-Based Peptidomics to understand the Brain and Disorders such as Parkinson's Disease and Schizophrenia. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 369-381.	2.1	10
87	Circadian Rhythm of the Endopeptidase 22.19 (EC 3.4.22.19) in the Rat Brain. <i>Chronobiology International</i> , 1992, 9, 243-249.	2.0	9
88	Different Approaches, One Target: Understanding Cellular Mechanisms of Parkinson's and Alzheimer's Diseases. <i>Revista Brasileira De Psiquiatria</i> , 2012, 34, 194-218.	1.7	9
89	A role for transmembrane domains V and VI in ligand binding and maturation of the angiotensin II AT1 receptor. <i>Biological Chemistry</i> , 2006, 387, 269-76.	2.5	8
90	Effect of Protein Denaturation and Enzyme Inhibitors on Proteasomal-Mediated Production of Peptides in Human Embryonic Kidney Cells. <i>Biomolecules</i> , 2019, 9, 207.	4.0	8

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91	Peptides from Natural or Rationally Designed Sources Can Be Used in Overweight, Obesity, and Type 2 Diabetes Therapies. <i>Molecules</i> , 2020, 25, 1093.	3.8	8
92	NFKF is a synthetic fragment derived from rat hemopressin that protects mice from neurodegeneration. <i>Neuroscience Letters</i> , 2020, 721, 134765.	2.1	8
93	The impact of rattlesnake venom on mice cerebellum proteomics points to synaptic inhibition and tissue damage. <i>Journal of Proteomics</i> , 2020, 221, 103779.	2.4	8
94	Effect of FKBP12-Derived Intracellular Peptides on Rapamycin-Induced FKBP ϵ -FRB Interaction and Autophagy. <i>Cells</i> , 2022, 11, 385.	4.1	7
95	Edelfosine: An Antitumor Drug Prototype. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 865-874.	1.7	6
96	Proteomic analysis reveals rattlesnake venom modulation of proteins associated with cardiac tissue damage in mouse hearts. <i>Journal of Proteomics</i> , 2022, 258, 104530.	2.4	6
97	Bioactive Peptides Produced by Limited Proteolysis. <i>Colloquium Series on Neuropeptides</i> , 2012, 1, 1-92.	1.0	5
98	Bothrops Jararaca Snake Venom Modulates Key Cancer-Related Proteins in Breast Tumor Cell Lines. <i>Toxins</i> , 2021, 13, 519.	3.4	5
99	Biotecnologia translacional: hemopressina e outros peptídeos intracelulares. <i>Estudos Avancados</i> , 2010, 24, 109-121.	0.5	4
100	Catalytic properties of thimet oligopeptidase H600A mutant. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 429-433.	2.1	4
101	The potential anti-inflammatory and anti-nociceptive effects of rat hemopressin (PVNFKFLSH) in experimental arthritis. <i>European Journal of Pharmacology</i> , 2021, 890, 173636.	3.5	4
102	Substrate Capture Assay Using Inactive Oligopeptidases to Identify Novel Peptides. <i>Methods in Molecular Biology</i> , 2018, 1719, 97-105.	0.9	3
103	Peptidomic profiling of cerebrospinal fluid from patients with intracranial saccular aneurysms. <i>Journal of Proteomics</i> , 2021, 240, 104188.	2.4	3
104	New Intracellular Peptide Derived from Hemoglobin Alpha Chain Induces Glucose Uptake and Reduces Blood Glycemia. <i>Pharmaceutics</i> , 2021, 13, 2175.	4.5	3
105	Pep19 Has a Positive Effect on Insulin Sensitivity and Ameliorates Both Hepatic and Adipose Tissue Phenotype of Diet-Induced Obese Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4082.	4.1	1
106	Acute cocaine treatment increases thimet oligopeptidase in the striatum of rat brain. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 724-727.	2.1	0
107	HEMODYNAMIC EFFECTS OF HEMOPRESSIN IN CONSCIOUS RATS. <i>Journal of Hypertension</i> , 2004, 22, S90-S91.	0.5	0