Masumi Eto

List of Publications by Year in Descending Order

75 papers	3,950 citations	35 h-index	62 g-index
83 ext. papers	4,125 ext. citations	4.6 avg, IF	5.04 L-index

#	Paper	IF	Citations
75	Possible roles of N- and C-terminal unstructured tails of CPI-17 in regulating Ca sensitization force of smooth muscle.. *Journal of Smooth Muscle Research*, **2022**, 58, 22-33	0.4	0
74	Overexpression of progranulin increases pathological protein accumulation by suppressing autophagic flux.. *Biochemical and Biophysical Research Communications*, **2022**, 611, 78-84	3.4	0
73	A temporal Ca desensitization of myosin light chain kinase in phasic smooth muscles induced by CaMKK/PP2A pathways. *American Journal of Physiology - Cell Physiology*, **2021**, 321, C549-C558	5.4	1
72	Kinase activity-tagged western blotting assay. *BioTechniques*, **2020**, 68, 211-213	2.5	3
71	Protein phosphatases 1 and 2A and their naturally occurring inhibitors: current topics in smooth muscle physiology and chemical biology. *Journal of Physiological Sciences*, **2018**, 68, 1-17	2.3	13
70	RSK2 contributes to myogenic vasoconstriction of resistance arteries by activating smooth muscle myosin and the Na/H exchanger. *Science Signaling*, **2018**, 11,	8.8	4
69	Diversity and plasticity in signaling pathways that regulate smooth muscle responsiveness: Paradigms and paradoxes for the myosin phosphatase, the master regulator of smooth muscle contraction. *Journal of Smooth Muscle Research*, **2017**, 53, 1-19	0.4	27
68	Unfair competition governs the interaction of pCPI-17 with myosin phosphatase (PP1-MYPT1). *ELife* , **2017**, 6,	8.9	10
67	Remodeling of the rat distal colon in diabetes: function and ultrastructure. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C151-60	5.4	8
66	F-actin clustering and cell dysmotility induced by the pathological W148R missense mutation of filamin B at the actin-binding domain. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C89-98	5.4	8
65	Reconstituted human myosin light chain phosphatase reveals distinct roles of two inhibitory phosphorylation sites of the regulatory subunit, MYPT1. *Biochemistry*, **2014**, 53, 2701-9	3.2	50
64	Nuclear localization of CPI-17, a protein phosphatase-1 inhibitor protein, affects histone H3 phosphorylation and corresponds to proliferation of cancer and smooth muscle cells. *Biochemical and Biophysical Research Communications*, **2013**, 434, 137-42	3.4	15
63	Interleukin 6 mediates production of interleukin 10 in metastatic melanoma. *Cancer Immunology, Immunotherapy*, **2012**, 61, 145-155	7.4	29
62	Endogenous inhibitor proteins that connect Ser/Thr kinases and phosphatases in cell signaling. *IUBMB Life*, **2012**, 64, scope-scope	4.7	1
61	Endogenous inhibitor proteins that connect Ser/Thr kinases and phosphatases in cell signaling. *IUBMB Life*, **2012**, 64, 732-9	4.7	22
60	Reciprocal regulation controlling the expression of CPI-17, a specific inhibitor protein for the myosin light chain phosphatase in vascular smooth muscle cells. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C58-68	5.4	18
59	Caffeine relaxes smooth muscle through actin depolymerization. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2012**, 303, L334-42	5.8	24

58	Molecular mechanism of telokin-mediated disinhibition of myosin light chain phosphatase and cAMP/cGMP-induced relaxation of gastrointestinal smooth muscle. *Journal of Biological Chemistry*, **2012**, 287, 20975-85	5.4	16
57	Effects of a fluorescent Myosin light chain phosphatase inhibitor on prostate cancer cells. *Frontiers in Oncology*, **2011**, 1, 27	5.3	8
56	Heat shock augments angiotensin II-induced vascular contraction through increased production of reactive oxygen species. *Biochemical and Biophysical Research Communications*, **2010**, 399, 452-7	3.4	7
55	Regulation of cellular protein phosphatase-1 (PP1) by phosphorylation of the CPI-17 family, C-kinase-activated PP1 inhibitors. *Journal of Biological Chemistry*, **2009**, 284, 35273-7	5.4	113
54	Phosphorylation-dependent autoinhibition of myosin light chain phosphatase accounts for Ca2+ sensitization force of smooth muscle contraction. *Journal of Biological Chemistry*, **2009**, 284, 21569-79	5.4	80
53	Thromboxane A2-induced bi-directional regulation of cerebral arterial tone. *Journal of Biological Chemistry*, **2009**, 284, 6348-60	5.4	46
52	ROCK mediates phorbol ester-induced apoptosis in prostate cancer cells via p21Cip1 up-regulation and JNK. *Journal of Biological Chemistry*, **2009**, 284, 29365-75	5.4	37
51	Expression of CPI-17 in smooth muscle during embryonic development and in neointimal lesion formation. *Histochemistry and Cell Biology*, **2009**, 132, 191-8	2.4	12
50	Solution structure of the inhibitory phosphorylation domain of myosin phosphatase targeting subunit 1. *Proteins: Structure, Function and Bioinformatics*, **2009**, 77, 732-5	4.2	4
49	Nitric oxide-induced biphasic mechanism of vascular relaxation via dephosphorylation of CPI-17 and MYPT1. *Journal of Physiology*, **2009**, 587, 3587-603	3.9	38
48	Y27632, a Rho-activated kinase inhibitor, normalizes dysregulation in alpha1-adrenergic receptor-induced contraction of Lyon hypertensive rat artery smooth muscle. *Fundamental and Clinical Pharmacology*, **2009**, 23, 169-78	3.1	13
47	Mechanism of myosin phosphatase inhibition via phosphorylation of MYPT1 subunit by RhoA/ROCK. *FASEB Journal*, **2008**, 22, 965.10	0.9	1
46	Phosphorylation-induced conformational switching of CPI-17 produces a potent myosin phosphatase inhibitor. *Structure*, **2007**, 15, 1591-602	5.2	40
45	Assay for three-way interaction of protein phosphatase-1 (Glc7) with regulatory subunits plus phosphatase inhibitor-2. *Methods in Molecular Biology*, **2007**, 365, 197-208	1.4	1
44	Association of the tensin N-terminal protein-tyrosine phosphatase domain with the alpha isoform of protein phosphatase-1 in focal adhesions. *Journal of Biological Chemistry*, **2007**, 282, 17806-15	5.4	27
43	Ca2+-dependent rapid Ca2+ sensitization of contraction in arterial smooth muscle. *Circulation Research*, **2007**, 100, 121-9	15.7	129
42	Agonist- and depolarization-induced signals for myosin light chain phosphorylation and force generation of cultured vascular smooth muscle cells. *Journal of Cell Science*, **2006**, 119, 1769-80	5.3	53
41	Phospho-pivot modeling predicts specific interactions of protein phosphatase-1 with a phospho-inhibitor protein CPI-17. *Journal of Biochemistry*, **2005**, 137, 633-41	3.1	10

40	Computational simulation for interactions of nano-molecules: The phospho-pivot modeling algorithm for prediction of interactions between a phospho-protein and its receptor. *Science and Technology of Advanced Materials*, **2005**, 6, 463-467	7.1	3
39	Assembly of MYPT1 with protein phosphatase-1 in fibroblasts redirects localization and reorganizes the actin cytoskeleton. *Cytoskeleton*, **2005**, 62, 100-9		32
38	RhoA-Rho kinase pathway mediates thrombin- and U-46619-induced phosphorylation of a myosin phosphatase inhibitor, CPI-17, in vascular smooth muscle cells. *American Journal of Physiology - Cell Physiology*, **2005**, 289, C352-60	5.4	55
37	Structural Basis of a Myosin Phosphatase Inhibitory Protein, CPI-17. *Seibutsu Butsuri*, **2005**, 45, 72-77	0	
36	Phosphoprotein inhibitor CPI-17 specificity depends on allosteric regulation of protein phosphatase-1 by regulatory subunits. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 8888-93	11.5	83
35	CPI-17-deficient smooth muscle of chicken. *Journal of Physiology*, **2004**, 557, 515-28	3.9	37
34	Phosphorylation-induced conformational change responsible for the function of a myosin phosphatase inhibitor, CPI-17. *Science and Technology of Advanced Materials*, **2004**, 5, 383-386	7.1	1
33	Uncoupling of GPCR and RhoA-induced Ca2+-sensitization of chicken amnion smooth muscle lacking CPI-17. *FEBS Letters*, **2004**, 578, 73-9	3.8	19
32	Differential signalling by muscarinic receptors in smooth muscle: m2-mediated inactivation of myosin light chain kinase via Gi3, Cdc42/Rac1 and p21-activated kinase 1 pathway, and m3-mediated MLC20 (20 kDa regulatory light chain of myosin II) phosphorylation via Rho-associated kinase/myosin phosphatase targeting subunit 1 and protein kinase C/CPI-17	3.8	129
31	Phosphorylation of the myosin phosphatase targeting subunit and CPI-17 during Ca2+ sensitization in rabbit smooth muscle. *Journal of Physiology*, **2003**, 546, 879-89	3.9	196
30	Distinctive solution conformation of phosphatase inhibitor CPI-17 substituted with aspartate at the phosphorylation-site threonine residue. *Journal of Molecular Biology*, **2003**, 326, 1539-47	6.5	16
29	Phosphorylation of protein phosphatase type-1 inhibitory proteins by integrin-linked kinase and cyclic nucleotide-dependent protein kinases. *Biochemical and Biophysical Research Communications*, **2003**, 306, 382-7	3.4	37
28	Rho kinase and matrix metalloproteinase inhibitors cooperate to inhibit angiogenesis and growth of human prostate cancer xenotransplants. *FASEB Journal*, **2003**, 17, 223-34	0.9	89
27	Phosphoprotein inhibitors of protein phosphatase-1. *Methods in Enzymology*, **2003**, 366, 243-60	1.7	8
26	RhoA-mediated Ca2+ sensitization in erectile function. *Journal of Biological Chemistry*, **2002**, 277, 30614-21	5.4	124
25	Phosphorylation of the myosin-binding subunit of myosin phosphatase by Raf-1 and inhibition of phosphatase activity. *Journal of Biological Chemistry*, **2002**, 277, 3053-9	5.4	47
24	Domains of type 1 protein phosphatase inhibitor-2 required for nuclear and cytoplasmic localization in response to cell-cell contact. *Journal of Cell Science*, **2002**, 115, 3739-45	5.3	14
23	Inhibitor-2 regulates protein phosphatase-1 complexed with NimA-related kinase to induce centrosome separation. *Journal of Biological Chemistry*, **2002**, 277, 44013-20	5.4	78

22	Phosphorylation of the myosin phosphatase inhibitors, CPI-17 and PHI-1, by integrin-linked kinase. *Biochemical Journal*, **2002**, 367, 517-24	3.8	114
21	Cerebellar long-term synaptic depression requires PKC-mediated activation of CPI-17, a myosin/moesin phosphatase inhibitor. *Neuron*, **2002**, 36, 1145-58	13.9	84
20	Expression of CPI-17 and myosin phosphatase correlates with Ca(2+) sensitivity of protein kinase C-induced contraction in rabbit smooth muscle. *Journal of Physiology*, **2001**, 535, 553-64	3.9	193
19	Activation of myosin light chain phosphatase in intact arterial smooth muscle during nitric oxide-induced relaxation. *Journal of Biological Chemistry*, **2001**, 276, 34681-5	5.4	116
18	Defining the structural determinants and a potential mechanism for inhibition of myosin phosphatase by the protein kinase C-potentiated inhibitor protein of 17 kDa. *Journal of Biological Chemistry*, **2001**, 276, 39858-63	5.4	49
17	Histamine-induced vasoconstriction involves phosphorylation of a specific inhibitor protein for myosin phosphatase by protein kinase C alpha and delta isoforms. *Journal of Biological Chemistry*, **2001**, 276, 29072-8	5.4	172
16	Solution NMR structure of the myosin phosphatase inhibitor protein CPI-17 shows phosphorylation-induced conformational changes responsible for activation. *Journal of Molecular Biology*, **2001**, 314, 839-49	6.5	37
15	Dual Ser and Thr phosphorylation of CPI-17, an inhibitor of myosin phosphatase, by MYPT-associated kinase. *FEBS Letters*, **2001**, 493, 91-4	3.8	96
14	Inhibition of myosin/moesin phosphatase by expression of the phosphoinhibitor protein CPI-17 alters microfilament organization and retards cell spreading. *Cytoskeleton*, **2000**, 46, 222-34		39
13	Agonists trigger G protein-mediated activation of the CPI-17 inhibitor phosphoprotein of myosin light chain phosphatase to enhance vascular smooth muscle contractility. *Journal of Biological Chemistry*, **2000**, 275, 9897-900	5.4	261
12	Reconstitution of protein kinase C-induced contractile Ca2+ sensitization in triton X-100-demembranated rabbit arterial smooth muscle. *Journal of Physiology*, **1999**, 520 Pt 1, 139-52	3.9	131
11	A novel phosphoprotein inhibitor of protein type-1 phosphatase holoenzymes. *Biochemistry*, **1999**, 38, 16952-7	3.2	87
10	Fluorescence lifetime imaging of green fluorescent protein in a single living cell **1999**, 3604, 6		1
9	Localization of 17-kDa myosin light chain isoforms in cultured aortic smooth muscle cells. *Journal of Biochemistry*, **1999**, 125, 334-42	3.1	2
8	Identification of trimeric myosin phosphatase (PP1M) as a target for a novel PKC-potentiated protein phosphatase-1 inhibitory protein (CPI17) in porcine aorta smooth muscle. *Journal of Biochemistry*, **1999**, 125, 354-62	3.1	75
7	Possible involvement of the novel CPI-17 protein in protein kinase C signal transduction of rabbit arterial smooth muscle. *Journal of Physiology*, **1998**, 508 (Pt 3), 871-81	3.9	149
6	Reactivities of Cys707 (SH1) in intermediate states of myosin subfragment-1 ATPase. *Journal of Biochemistry*, **1998**, 124, 609-14	3.1	7
5	Molecular cloning of a novel phosphorylation-dependent inhibitory protein of protein phosphatase-1 (CPI17) in smooth muscle: its specific localization in smooth muscle. *FEBS Letters*, **1997**, 410, 356-60	3.8	207

4	A novel protein phosphatase-1 inhibitory protein potentiated by protein kinase C. Isolation from porcine aorta media and characterization. *Journal of Biochemistry*, **1995**, 118, 1104-7	3.1	272
3	Inhibition of acto-myosin subfragment-1 ATPase activity by peptides corresponding to various segments of the 20-kDa domain of myosin heavy chain. *Journal of Biochemistry*, **1994**, 115, 701-7	3.1	
2	An Actin-Binding Site on Myosin **1991**, 39-48		
1	Roles of the amino acid side chains in the actin-binding S-site of myosin heavy chain. *Journal of Biochemistry*, **1990**, 108, 499-504	3.1	18