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【研究発表・論文】

昭和 49 年	菊池 九二三 [他] 隣接サブユニットに誘起されるコンホメーション変化を考慮したアロステリック酵素反応速度方程式の理論的研究(岡捨己教授御退官記念号) (抗酸菌病研究雑誌 26 (1・2), 87-108)
昭和 49 年	菊池 九二三 [他] 反応速度を考慮したアロステリック酵素反応速度方程式の理論的研究(岡捨己教授御退官記念号) (抗酸菌病研究雑誌 26 (1・2), 109-127)
昭和 52 年	菊池 九二三 , 立木 蔚 グリコーゲン合成酵素活性化酵素(グリコーゲン合成酵素ホスファターゼ) (蛋白質核酸酵素 22 (14),1474-1478)
昭和 53 年	菊池 九二三 , 立木 蔚 ラット腎・肝・肝癌における N-アセチルグルコサミンの代謝 (斉藤達雄教授御退官記念号) (抗酸菌病研究雑誌 30 (1・2),50-56)
昭和 57 年	菊池 九二三 インスリンの構造と機能 (生化学 54 (5), 293-310)
平成 3 年	菊池 九二三 プロテインホスファターゼ研究の最近の進歩 (蛋白質核酸酵素 36 (2), 137-147)
平成 17 年	菊池 九二三 プロテインホスファターゼ研究の回顧と展望 (生化学, 77 (10), 1247-1334, 2005)
昭和 46 年	Kikuchi,K.,Kikuchi,H.,and Tsuiki,S., Activities of sialic acid-synthesizing enzymes in rat liver and rat and mouse tumors. (Biochimica et Biophysica Acta, 252 (2): 357-368,1971)
昭和 48 年	Kikuchi,K.,and Tsuiki,S., Purification and properties of UDP-N-acetylglucosamine 2'-epimerase from rat liver. (Biochimica et Biophysica Acta, 327 (1):193-206,1973)
昭和 52 年	Kikuchi,K.,Tamura,S.,Hiraga,A.,and Tsuiki,S.,Glycogen synthase phosphatase of rat liver. Its separation from phosphorylase phosphatase on DE-52 columns. (Biochemical and Biophysical Research Communications, 75 (1):29-37,1977)

昭和 54 年	Kikuchi,K.,and Tsuiki,S., Metabolism of exogenous N-acetylglucosamine in extracts of rat kidney,liver and hepatoma. (<i>Biochimica et Biophysica Acta</i> , 584 (2):246-253,1979)
昭和 55 年	Tamura,S.,Kikuchi,H.,Kikuchi,K.,Hiraga,A.,and Tsuiki,S.,Purification and subunit structure of a high-molecular-weight phosphoprotein phosphatase (phosphatase II) from rat liver. (<i>European Journal of Biochemistry</i> , 104 (2):347-355,1980)
昭和 55 年	Kikuchi,K.,Larner,J.,Freer,R.J.,and Day,A.R., Enhanced specific insulin binding and insulin action with C-terminal B- chain pentapeptide derived from insulin. (<i>FEBS Letters</i> , 119 (1):161-164,1980)
昭和 55 年	Kikuchi,K.,Larner,J.,Freer,R.J.,Day,A.R.,Morris,H.,and Dell,A., Studies on the biological activity of degraded insulins and insulin fragments. (<i>The Journal of Biological Chemistry</i> , 255 (19):9281-9288,1980)
昭和 56 年	Hiraga,A.,Kikuchi,K.,Tamura,S.,and Tsuiki,S., Purification and characterization of Mg ²⁺ -dependent glycogen synthase phosphatase (phosphoprotein phosphatase IA) from rat liver. (<i>European Journal of Biochemistry</i> , 119 (3):503-510,1981)
昭和 56 年	Kikuchi,K.,Larner,J.,Freer,R.J.,and Day,A.R., Effect of insulin fragments on biological activity of insulin and desoctapeptide insulin. I. Potentiation of biological activities. (<i>The Journal of Biological Chemistry</i> , 256 (18):9441-9444,1981)
昭和 56 年	Kikuchi,K.,Larner,J.,Freer,R.J.,and Day,A.R., Effect of insulin fragments on biological activity of insulin and desoctapeptide insulin. II, Enhanced binding and mechanism studies. (<i>The Journal of Biological Chemistry</i> , 256 (18):9445-9449,1981)
昭和 63 年	Kitagawa,Y.,Tahira,T.,Ikeda,I.,Kikuchi,K.,Tsuiki,S.,Sugimura,T.,and Nagao,M., Molecular cloning of cDNA for the catalytic subunit of rat liver type 2A protein phosphatase, and detection of high levels of expression of the gene in normal and cancer cells. (<i>Biochimica et Biophysica Acta</i> , 951 (1):123-129,1988)
平成元年	Tamura,S.,Lynch,K.R.,Larner,J.,Fox,J.,Yasui,A.,Kikuchi,K.,Suzuki,Y.,and Tsuiki,S., Molecular cloning of rat type 2C (IA) protein phosphatase mRNA. (<i>Proceedings of the National Academy of Sciences of USA</i> , 86 (6):1796-1800,1989.)
平成 3 年	Kitamura,K.,Mizuno,Y.,Sasaki,A.,Yasui,A.,Tsuiki,S.,and Kikuchi,K.,Molecular cloning and sequence analysis of cDNA for the catalytic subunit 1 α of rat kidney type 1 protein phosphatase, and detection of the gene expression at high levels in hepatoma cells and regenerating livers as compared to rat livers. (<i>Journal of Biochemistry</i> , 109 ,307-310,1991)
平成 8 年	Nomoto,K.,Shibata,N.,Kitamura,K.,Mizuno,Y.,and Kikuchi,K.,Molecular cloning and analysis of the 5'-flanking region of the rat PP1 α gene. (<i>Biochimica et Biophysica Acta</i> , 1309 ,221-225,1996)

平成 8 年	Nakamura,K.,Mizuno,Y.,and Kikuchi,K.,Molecular cloning of a novel cytoplasmic protein tyrosine phosphatase PTP ϵ . (Biochemical and Biophysical Research Communications 218 ,726-732,1996)
平成 10 年	Kawamura,T.,Matsuzawa,S.,Mizuno,Y.,Kikuchi,K.,Oikawa,H.,Oikawa,M.,Ubukata,M., and Ichihara,A., Different moieties of tautomycin involved in protein phosphatase inhibition and induction of apoptosis. (Biochemical Pharmacology, 55 (7):995-1003,1998)
平成 11 年	Tanuma,N.,Nakamura,K.,and Kikuchi,K.,Distinct promoters control transmembrane and cytosolic protein tyrosine phosphatase ϵ expression during macrophage differentiation. (European Journal of Biochemistry, 259 ,46-54,1999)
平成 12 年	Kikuchi,K.,Shima,H.,Suzuki,M.,and Oikawa,H.,The apoptosis-inducing activity of the two protein phosphatase inhibitors, tautomycin and thyriferyl 23-acetate, is not due to the inhibition of phosphatases PP1 and PP2A. (Drugs Future 25 ,501-507,2000)
平成 12 年	Kim,S.E.,Ishita,A.,Shima,H.,Nakamura,K.,Yamada,Y.,Ogawa,K.,and Kikuchi,K.,Increased expression of NIPP-1 mRNA correlates positively with malignant phenotype in rat hepatomas, (International Journal of Oncology, 16 ,751-755,2000)
平成 12 年	Shirato,H.,Shima,H.,Sakashita,G.,Nakano,T.,Ito,M.,Lee,E.Y.C.,and Kikuchi,K., Identification and characterization of a novel protein inhibitor of type 1 protein phosphatase. (Biochemistry, 39 (45):13848-13855,2000)
平成 12 年	Tanuma,N.,Nakamura,K.,Shima,H.,and Kikuchi,K.,Protein-tyrosine phosphatase PTP ϵ C inhibits Jak-STAT signaling and differentiation induced by interleukin-6 and leukemia inhibitory factor in M1 leukemia cells. (Journal of Biological Chemistry, 275 ,28216-28221,2000)
平成 13 年	Masuda,K.,Shima,H.,Watanabe,M.,and Kikuchi,K.,MKP-7, a novel mitogen-activated protein kinase phosphatase, functions as a shuttle protein. (Journal of Biological Chemistry, 276 ,39002-39011,2001)
平成 15 年	Masuda,K.,Shima,H.,Katagiri,C.,and Kikuchi,K.,Activation of ERK induces phosphorylation of MAPK phosphatase-7, a JNK specific phosphatase, at Ser-446. (Journal of Biological Chemistry, 278 ,32448-32456,2003)
平成 17 年	Katagiri,C.,Masuda,K.,Urano,T.,Yamashita,K.,Araki,Y.,Kikuchi,K.,and Shima,H., Phosphorylation of Ser-446 determines stability of MKP-7. (Journal of Biological Chemistry, 280 ,14716-14722,2005)
平成 20 年	Tanuma,N.,Kim,S.E.,Beullens,M.,Tsubaki,Y.,Mitsuhashi,S.,Nomura,M.,Kawamura,T., Isono,K.,Koseki,H.,Sato,M.,Bollen,M.,Kikuchi,K.,and Shima,H.,Nuclear inhibitor of protein phosphatase-1 (NIPP1) directs protein phosphatase-1 (PP1) to dephosphorylate the U2 small nuclear ribonucleoprotein particle (snRNP) component,spliceosome-associated protein 155(Sap155), (Journal of Biological Chemistry, 283 ,35805-35814,2008)