

# Kinoshita Emiko

## List of Publications by Year in descending order

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77  
papers

3,061  
citations

304743

22  
h-index

161849

54  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3911  
citing authors

#	ARTICLE	IF	CITATIONS
1	History of Phos-tag technology for phosphoproteomics. Journal of Proteomics, 2022, 252, 104432.	2.4	10
2	Recent advances in the Phos-tag technique focused on the analysis of phosphoproteins in a bacterial two-component system. Journal of Proteomics, 2022, 252, 104429.	2.4	4
3	Evaluation of four phosphopeptide enrichment strategies for mass spectrometry-based proteomic analysis. Proteomics, 2022, 22, e2100216.	2.2	12
4	An assay of human tyrosine protein kinase ABL activity using an Escherichia coli protein expression system. BioTechniques, 2021, 70, 209-217.	1.8	3
5	Characterization of the Binding of Adenosine-5'-monophosphate to a $\mu$ -Type Alkoxide-Linked Dinuclear Zinc(II) Complex in Crystal and Solution State. Bulletin of the Chemical Society of Japan, 2021, 94, 2670-2677.	3.2	1
6	Phos-Tag Fluorescent Gel Staining for the Quantitative Detection of His- and Asp-Phosphorylated Proteins. Methods in Molecular Biology, 2021, 2261, 73-78.	0.9	1
7	Characterization of Phosphorylation Status and Kinase Activity of Src Family Kinases Expressed in Cell-Based and Cell-Free Protein Expression Systems. Biomolecules, 2021, 11, 1448.	4.0	2
8	Determining Protein Phosphorylation Status Using Antibody Arrays and Phos-Tag Biotin. Methods in Molecular Biology, 2021, 2237, 217-224.	0.9	1
9	Crystal Structure of Bis{1,3-bis[bis(pyridin-2-ylmethyl)amino]propan-2-olato-dizinc(II)}orthophosphate Tris(perchlorate) Octahydrate, [(Phos-tag) <sub>2</sub> PO <sub>4</sub> ] <sup>3-</sup> [ClO <sub>4</sub> ] <sub>0.2</sub> <sup>0</sup> X-ray Structure Analysis Online, 2021, 37, 87-88.	0.2	0
10	Protein-N-myristoylation-dependent phosphorylation of serine 13 of tyrosine kinase Lyn by casein kinase 1 $\beta$ at the Golgi during intracellular protein traffic. Scientific Reports, 2020, 10, 16273.	3.3	11
11	Phos-tag-based micropipette-tip method for analysis of phosphomonoester-type impurities in synthetic oligonucleotides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1151, 122198.	2.3	1
12	An immuno-dot blot assay for screening histidine kinase inhibitors. Analytical Biochemistry, 2020, 600, 113765.	2.4	5
13	Quantitative analysis of phosphoproteins in a bacterial two-component system using Phos-tag techniques. Denki Eido, 2020, 64, 35-39.	0.0	0
14	A dot-blot-staining method for detecting phosphoproteins with a Phos-tag Aqua fluorescent dye. Journal of Electrophoresis, 2020, 64, 7-11.	0.4	1
15	Increase in constitutively active MEK1 species by introduction of MEK1 mutations identified in cancers. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 62-70.	2.3	10
16	A method for profiling the phosphorylation state of tyrosine protein kinases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 71-75.	2.3	3
17	Quantitative monitoring of His and Asp phosphorylation in a bacterial signaling system by using Phos-tag Magenta/Cyan fluorescent dyes. Electrophoresis, 2019, 40, 3005-3013.	2.4	15
18	Gel-based analysis of protein phosphorylation status by rapid fluorometric staining using TAMRA-labeled Phos-tag. Journal of Electrophoresis, 2019, 63, 25-32.	0.4	5

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19	A strategy to identify protein-N-myristoylation-dependent phosphorylation reactions of cellular proteins by using Phos-tag SDS-PAGE. PLoS ONE, 2019, 14, e0225510.	2.5	5
20	Enrichment of Low-Molecular-Weight Phosphorylated Biomolecules Using Phos-Tag Tip. Neuromethods, 2019, , 75-84.	0.3	0
21	A simple method for determining the ligand affinity toward a zinc-enzyme model by using a TAMRA/TAMRA interaction. Dalton Transactions, 2018, 47, 1841-1848.	3.3	3
22	Zn(II)-Phos-Tag SDS-PAGE for Separation and Detection of a DNA Damage-Related Signaling Large Phosphoprotein. Methods in Molecular Biology, 2017, 1599, 113-126.	0.9	6
23	A Phos-tag-based micropipette-tip method for rapid and selective enrichment of phosphopeptides. Electrophoresis, 2017, 38, 2447-2455.	2.4	22
24	Specific glutamic acid residues in targeted proteins induce exaggerated retardations in Phos-tag SDS-PAGE migration. Electrophoresis, 2017, 38, 1139-1146.	2.4	6
25	TAMRA/TAMRA Fluorescence Quenching Systems for the Activity Assay of Alkaline Phosphatase. Sensors, 2017, 17, 1877.	3.8	17
26	Phos-tag SDS-PAGE methodology that effectively uses phosphoproteomic data for profiling the phosphorylation dynamics of MEK1. Denki Eido, 2017, 61, 9-15.	0.0	0
27	A Phos-tag SDS-PAGE method that effectively uses phosphoproteomic data for profiling the phosphorylation dynamics of MEK1. Proteomics, 2016, 16, 1825-1836.	2.2	19
28	A novel thiol-affinity micropipette tip method using zinc(II)-cyclen-attached agarose beads for enrichment of cysteine-containing molecules. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1031, 195-201.	2.3	3
29	Phosphopeptide Detection with Biotin-Labeled Phos-tag. Methods in Molecular Biology, 2016, 1355, 17-29.	0.9	6
30	Validation of Cis and Trans Modes in Multistep Phosphotransfer Signaling of Bacterial Tripartite Sensor Kinases by Using Phos-Tag SDS-PAGE. PLoS ONE, 2016, 11, e0148294.	2.5	25
31	Improving the Electrotransfer Efficiency of Target Phosphoprotein from Phos-tag SDS-PAGE Gel. Bunseki Kagaku, 2015, 64, 501-509.	0.2	1
32	The Cutting Edge of Affinity Electrophoresis Technology. Proteomes, 2015, 3, 42-55.	3.5	14
33	Functional Characterization of the Receiver Domain for Phosphorelay Control in Hybrid Sensor Kinases. PLoS ONE, 2015, 10, e0132598.	2.5	32
34	Advances in Phos-tag-based methodologies for separation and detection of the phosphoproteome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 601-608.	2.3	50
35	Expression and phosphorylation state analysis of intracellular protein kinases using Multi-PK antibody and Phos-tag SDS-PAGE. MethodsX, 2015, 2, 469-474.	1.6	17
36	Neutral Phosphate-Affinity SDS-PAGE System for Profiling of Protein Phosphorylation. Methods in Molecular Biology, 2015, 1295, 323-354.	0.9	10

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37	Phos-tag-Based Affinity Chromatography Techniques for Enrichment of the Phosphoproteome. , 2015, , 17-30.		0
38	Identification of two phosphorylated species of $\beta$ -catenin involved in the ubiquitin-proteasome pathway by using two-dimensional Phos-tag affinity electrophoresis. Journal of Electrophoresis, 2014, 58, 1-4.	0.4	5
39	Simple enrichment of thiol-containing biomolecules by using zinc(II)-cyclen-functionalized magnetic beads. Journal of Separation Science, 2014, 37, 1601-1609.	2.5	9
40	Profiling of protein thiophosphorylation by Phos-tag affinity electrophoresis: Evaluation of adenosine 5'-thiotriphosphate as a phosphoryl donor in protein kinase reactions. Proteomics, 2014, 14, 668-679.	2.2	26
41	Tips on improving the efficiency of electrotransfer of target proteins from Phos-tag SDS-PAGE gel. Proteomics, 2014, 14, 2437-2442.	2.2	32
42	Sandwich assay for phosphorylation of protein multiplexes by using antibodies and Phos-tag. Analytical Biochemistry, 2013, 438, 104-106.	2.4	21
43	A Phos-tag-based magnetic-bead method for rapid and selective separation of phosphorylated biomolecules. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 925, 86-94.	2.3	26
44	Phos-tag Technology for Phosphoproteomics. Bunseki Kagaku, 2012, 61, 469-487.	0.2	2
45	Phos-tag SDS-PAGE systems for phosphorylation profiling of proteins with a wide range of molecular masses under neutral pH conditions. Proteomics, 2012, 12, 192-202.	2.2	72
46	Highly sensitive detection of protein phosphorylation by using improved Phos-tag Biotin. Proteomics, 2012, 12, 932-937.	2.2	41
47	Separation and identification of four distinct serine-phosphorylation states of ovalbumin by Phos-tag affinity electrophoresis. Electrophoresis, 2012, 33, 849-855.	2.4	30
48	Phos-tag Affinity Electrophoresis for Protein Kinase Profiling. Neuromethods, 2012, , 13-34.	0.3	3
49	A Phos-tag-based fluorescence resonance energy transfer system for the analysis of the kinase reaction of a substrate peptide. Analytical Methods, 2011, 3, 1303.	2.7	15
50	Improved Phos-tag SDS-PAGE under neutral pH conditions for advanced protein phosphorylation profiling. Proteomics, 2011, 11, 319-323.	2.2	163
51	Zinc(II)-cyclen polyacrylamide gel electrophoresis for detection of mutations in short Ade/Thy-rich DNA fragments. Analytical Biochemistry, 2011, 408, 348-350.	2.4	1
52	A novel phosphate-affinity bead with immobilized Phos-tag for separation and enrichment of phosphopeptides and phosphoproteins. Journal of Integrated OMICS, 2011, 1, .	0.5	1
53	The DNA-binding activity of mouse DNA methyltransferase 1 is regulated by phosphorylation with casein kinase 1 $\beta$ . Biochemical Journal, 2010, 427, 489-497.	3.7	56
54	Genotyping and mapping assay of single-nucleotide polymorphisms in CYP3A5 using DNA-binding zinc(II) complexes. Clinical Biochemistry, 2010, 43, 302-306.	1.9	5

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55	Phosphate-Affinity Gel Electrophoresis Using a Phos-Tag Molecule for Phosphoproteome Study. <i>Current Proteomics</i> , 2009, 6, 104-121.	0.3	17
56	Two-dimensional phosphate-affinity gel electrophoresis for the analysis of phosphoprotein isotypes. <i>Electrophoresis</i> , 2009, 30, 550-559.	2.4	48
57	Mobility shift detection of phosphorylation on large proteins using a Phos-tag SDS-PAGE gel strengthened with agarose. <i>Proteomics</i> , 2009, 9, 4098-4101.	2.2	46
58	Separation and detection of large phosphoproteins using Phos-tag SDS-PAGE. <i>Nature Protocols</i> , 2009, 4, 1513-1521.	12.0	347
59	A Phos-tag-based fluorescence resonance energy transfer system for the analysis of the dephosphorylation of phosphopeptides. <i>Analytical Biochemistry</i> , 2009, 388, 235-241.	2.4	18
60	Phos-tag beads as an immunoblotting enhancer for selective detection of phosphoproteins in cell lysates. <i>Analytical Biochemistry</i> , 2009, 389, 83-85.	2.4	35
61	Zn(II)-Cyclen Polyacrylamide Gel Electrophoresis for SNP Detection. <i>Methods in Molecular Biology</i> , 2009, 578, 169-182.	0.9	3
62	Phosphate-Affinity Polyacrylamide Gel Electrophoresis for SNP Genotyping. <i>Methods in Molecular Biology</i> , 2009, 578, 183-192.	0.9	3
63	Separation of phosphoprotein isotypes having the same number of phosphate groups using phosphate-affinity SDS-PAGE. <i>Proteomics</i> , 2008, 8, 2994-3003.	2.2	81
64	A mobility shift detection method for DNA methylation analysis using phosphate affinity polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2008, 378, 102-104.	2.4	7
65	Detection of the Gua/Cyt-to-Cyt/Gua mutation in a Gua/Cyt-lined sequence using Zn <sup>2+</sup> -cyclen polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2008, 380, 122-127.	2.4	7
66	FANCI phosphorylation functions as a molecular switch to turn on the Fanconi anemia pathway. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1138-1146.	8.2	207
67	Label-free Kinase Profiling Using Phosphate Affinity Polyacrylamide Gel Electrophoresis. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 356-366.	3.8	126
68	Separation of a phosphorylated histidine protein using phosphate affinity polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2007, 360, 160-162.	2.4	50
69	A single nucleotide polymorphism genotyping method using phosphate-affinity polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2007, 361, 294-298.	2.4	15
70	Non-SCN5A Related Brugada Syndromes: Verification of Normal Splicing and Trafficking of SCN5A Without Exonic Mutations. <i>Annals of Human Genetics</i> , 2007, 71, 8-17.	0.8	7
71	Enrichment of phosphorylated proteins from cell lysate using a novel phosphate-affinity chromatography at physiological pH. <i>Proteomics</i> , 2006, 6, 5088-5095.	2.2	65
72	Phosphate-binding Tag, a New Tool to Visualize Phosphorylated Proteins. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 749-757.	3.8	997

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73	An Alkoxide-Bridged Dinuclear Zinc(II) Hexaazacryptate: A Novel Phosphate Capture Molecule in Aqueous Solution. Bulletin of the Chemical Society of Japan, 2005, 78, 125-131.	3.2	9
74	A heteroduplex-preferential Tm depressor for the specificity-enhanced DNA polymerase chain reactions. Analytical Biochemistry, 2005, 337, 154-160.	2.4	14
75	Novel immobilized zinc(II) affinity chromatography for phosphopeptides and phosphorylated proteins. Journal of Separation Science, 2005, 28, 155-162.	2.5	93
76	Reliable and Cost-Effective Screening of Inherited Heterozygosity by Zn <sup>2+</sup> -Cyclen Polyacrylamide Gel Electrophoresis. Clinical Chemistry, 2005, 51, 2195-2198.	3.2	11
77	A novel procedure for simple and efficient genotyping of single nucleotide polymorphisms by using the Zn <sup>2+</sup> -cyclen complex. Nucleic Acids Research, 2002, 30, 126e-126.	14.5	19