Eiji Kinoshita

List of Publications by Year
in descending order

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94 papers	3,514 citations	236612 25 h-index	138251 58 g-index
97 all docs	97 docs citations	97 times ranked	4217 citing authors

#	Article	IF	Citations
1	History of Phos-tag technology for phosphoproteomics. Journal of Proteomics, 2022, 252, 104432.	1.2	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.	1.2	4
3	Evaluation of four phosphopeptide enrichment strategies for mass spectrometryâ€based proteomic analysis. Proteomics, 2022, 22, e2100216.	1.3	12
4	Phos-tag-based phosphate affinity chromatographic techniques. Journal of Chromatography Open, 2022, , 100051.	0.8	0
5	Phos-tag diagonal electrophoresis precisely detects the mobility change of phosphoproteins in Phos-tag SDS-PAGE. Journal of Proteomics, 2021, 231, 104005.	1.2	6
6	An assay of human tyrosine protein kinase ABL activity using an Escherichia coli protein expression system. BioTechniques, 2021, 70, 209-217.	0.8	3
7	Characterization of the Binding of Adenosine-5â€²-monophosphate to a Âµ-Type Alkoxide-Linked Dinuclear Zinc(II) Complex in Crystal and Solution State. Bulletin of the Chemical Society of Japan, 2021, 94, 2670-2677.	2.0	1
8	Phos-Tag Fluorescent Gel Staining for the Quantitative Detection of His- and Asp-Phosphorylated Proteins. Methods in Molecular Biology, 2021, 2261, 73-78.	0.4	1
9	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.	1.8	2
10	Determining Protein Phosphorylation Status Using Antibody Arrays and Phos-Tag Biotin. Methods in Molecular Biology, 2021, 2237, 217-224.	0.4	1
11	Crystal Structure of Bis{1,3-bis[bis(pyridin-2-ylmethyl)amino]propan-â€‹2-olato-dizinc(II)}orthophosphate Tris(perchlorate) Octahydrate, [(Phos-tag)₂-PO₄^{3â^'}][ClO₄<sup>â^' X-ray Structure Analysis Online, 2021, 37, 87-88.	0.1	0
12	Protein-N-myristoylation-dependent phosphorylation of serine 13 of tyrosine kinase Lyn by casein kinase 1Î³ at the Golgi during intracellular protein traffic. Scientific Reports, 2020, 10, 16273.	1.6	11
13	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.	1.2	1
14	An immuno-dot blot assay for screening histidine kinase inhibitors. Analytical Biochemistry, 2020, 600, 113765.	1.1	5
15	Quantitative analysis of phosphoproteins in a bacterial two-component system using Phos-tag techniques. Denki Eido, 2020, 64, 35-39.	0.0	0
16	A dot-blot-staining method for detecting phosphoproteins with a Phos-tag Aqua fluorescent dye. Journal of Electrophoresis, 2020, 64, 7-11.	0.2	1
17	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.	1.1	10
18	A method for profiling the phosphorylation state of tyrosine protein kinases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 71-75.	1.1	3

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19	Quantitative monitoring of His and Asp phosphorylation in a bacterial signaling system by using Phosâ€tag Magenta/Cyan fluorescent dyes. Electrophoresis, 2019, 40, 3005-3013.	1.3	15
20	Gel-based analysis of protein phosphorylation status by rapid fluorometric staining using TAMRA-labeled Phos-tag. Journal of Electrophoresis, 2019, 63, 25-32.	0.2	5
21	A strategy to identify protein-N-myristoylation-dependent phosphorylation reactions of cellular proteins by using Phos-tag SDS-PAGE. PLoS ONE, 2019, 14, e0225510.	1.1	5
22	Enrichment of Low-Molecular-Weight Phosphorylated Biomolecules Using Phos-Tag Tip. Neuromethods, 2019, , 75-84.	0.2	0
23	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.	1.6	3
24	4â€²,6-Diamidino-2-Phenylindole Distinctly Labels Tau Deposits. Journal of Histochemistry and Cytochemistry, 2018, 66, 737-751.	1.3	2
25	Zn(II)â€“Phos-Tag SDS-PAGE for Separation and Detection of a DNA Damage-Related Signaling Large Phosphoprotein. Methods in Molecular Biology, 2017, 1599, 113-126.	0.4	6
26	A Phosâ€tagâ€based micropipetteâ€tip method for rapid and selective enrichment of phosphopeptides. Electrophoresis, 2017, 38, 2447-2455.	1.3	22
27	Specific glutamic acid residues in targeted proteins induce exaggerated retardations in Phosâ€tag SDSâ€PAGE migration. Electrophoresis, 2017, 38, 1139-1146.	1.3	6
28	TAMRA/TAMRA Fluorescence Quenching Systems for the Activity Assay of Alkaline Phosphatase. Sensors, 2017, 17, 1877.	2.1	17
29	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
30	A Phosâ€tag SDSâ€PAGE method that effectively uses phosphoproteomic data for profiling the phosphorylation dynamics of MEK1. Proteomics, 2016, 16, 1825-1836.	1.3	19
31	A novel thiol-affinity micropipette tip method using zinc(II)â€“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.	1.2	3
32	Phosphopeptide Detection with Biotin-Labeled Phos-tag. Methods in Molecular Biology, 2016, 1355, 17-29.	0.4	6
33	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.	1.1	25
34	Improving the Electrotransfer Efficiency of Target Phosphoprotein from Phos-tag SDS-PAGE Gel. Bunseki Kagaku, 2015, 64, 501-509.	0.1	1
35	The Cutting Edge of Affinity Electrophoresis Technology. Proteomes, 2015, 3, 42-55.	1.7	14
36	Functional Characterization of the Receiver Domain for Phosphorelay Control in Hybrid Sensor Kinases. PLoS ONE, 2015, 10, e0132598.	1.1	32

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37	Advances in Phos-tag-based methodologies for separation and detection of the phosphoproteome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 601-608.	1.1	50
38	Expression and phosphorylation state analysis of intracellular protein kinases using Multi-PK antibody and Phos-tag SDS-PAGE. MethodsX, 2015, 2, 469-474.	0.7	17
39	Neutral Phosphate-Affinity SDS-PAGE System for Profiling of Protein Phosphorylation. Methods in Molecular Biology, 2015, 1295, 323-354.	0.4	10
40	Phos-tag-Based Affinity Chromatography Techniques for Enrichment of the Phosphoproteome. , 2015, , 17-30.		0
41	Identification of two phosphorylated species of Î²-catenin involved in the ubiquitin-proteasome pathway by using two-dimensional Phos-tag affinity electrophoresis. Journal of Electrophoresis, 2014, 58, 1-4.	0.2	5
42	Simple enrichment of thiolâ€containing biomolecules by using zinc(II)â€“cyclenâ€functionalized magnetic beads. Journal of Separation Science, 2014, 37, 1601-1609.	1.3	9
43	Profiling of protein thiophosphorylation by Phosâ€tag affinity electrophoresis: Evaluation of adenosine 5â€²â€<scp>O</scp>â€(3â€thiotriphosphate) as a phosphoryl donor in protein kinase reactions. Proteomics, 2014, 14, 668-679.	1.3	26
44	Tips on improving the efficiency of electrotransfer of target proteins from Phos-tag SDS-PAGE gel. Proteomics, 2014, 14, 2437-2442.	1.3	32
45	A Phos-Tag-Based Fluorescence Quenching System for Activity Assay and Inhibitor Screening for Alkaline Phosphatase. American Journal of Analytical Chemistry, 2014, 05, 796-804.	0.3	4
46	Phos-tag affinity electrophoresis. Seibutsu Butsuri Kagaku, 2014, 58, 21-23.	0.1	0
47	Sandwich assay for phosphorylation of protein multiplexes by using antibodies and Phos-tag. Analytical Biochemistry, 2013, 438, 104-106.	1.1	21
48	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.	1.2	26
49	Phos-tag-Based Microarray Techniques Advance Phosphoproteomics. Journal of Proteomics and Bioinformatics, 2013, 01, .	0.4	3
50	Improved Phos-tag SDS-PAGE under neutral pH conditions for advanced profiling of protein phosphorylation. Seibutsu Butsuri Kagaku, 2012, 56, s41-s44.	0.1	0
51	Protocols for the analysis of phosphoproteins using Phos-tag technology. Seibutsu Butsuri Kagaku, 2012, 56, s51-s75.	0.1	0
52	A Laborsaving, Timesaving, and More Reliable Strategy for Separation of Low-Molecular-Mass Phosphoproteins in Phos-tag Affinity Electrophoresis. International Journal of Chemistry, 2012, 4, .	0.3	8
53	Phosâ€tag SDSâ€PAGE systems for phosphorylation profiling of proteins with a wide range of molecular masses under neutral pH conditions. Proteomics, 2012, 12, 192-202.	1.3	72
54	Highly sensitive detection of protein phosphorylation by using improved Phos-tag Biotin. Proteomics, 2012, 12, 932-937.	1.3	41

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55	Separation and identification of four distinct serineâ€phosphorylation states of ovalbumin by <scp>P</scp>hosâ€tag affinity electrophoresis. Electrophoresis, 2012, 33, 849-855.	1.3	30
56	Phos-tag Affinity Electrophoresis for Protein Kinase Profiling. Neuromethods, 2012, , 13-34.	0.2	3
57	Phos-tag-based fluorescence resonance energy transfer system for the analysis of protein kinase and phosphatase reactions. Seibutsu Butsuri Kagaku, 2012, 56, s45-s49.	0.1	0
58	Phos-tag chemistry. Seibutsu Butsuri Kagaku, 2012, 56, s3-s7.	0.1	0
59	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.	1.3	15
60	Improved Phosâ€tag SDSâ€PAGE under neutral pH conditions for advanced protein phosphorylation profiling. Proteomics, 2011, 11, 319-323.	1.3	163
61	Zinc(II)â€“cyclen polyacrylamide gel electrophoresis for detection of mutations in short Ade/Thy-rich DNA fragments. Analytical Biochemistry, 2011, 408, 348-350.	1.1	1
62	The DNA-binding activity of mouse DNA methyltransferase 1 is regulated by phosphorylation with casein kinase 1?/?/?. Biochemical Journal, 2010, 427, 489-497.	1.7	56
63	Genotyping and mapping assay of single-nucleotide polymorphisms in CYP3A5 using DNA-binding zinc(II) complexes. Clinical Biochemistry, 2010, 43, 302-306.	0.8	5
64	Phosphate-Affinity Gel Electrophoresis Using a Phos-Tag Molecule for Phosphoproteome Study. Current Proteomics, 2009, 6, 104-121.	0.1	17
65	Two-dimensional phosphate-affinity gel electrophoresis for the analysis of phosphoprotein isotypes. Electrophoresis, 2009, 30, 550-559.	1.3	48
66	Mobility shift detection of phosphorylation on large proteins using a Phosâ€tag SDSâ€PAGE gel strengthened with agarose. Proteomics, 2009, 9, 4098-4101.	1.3	46
67	Separation and detection of large phosphoproteins using Phos-tag SDS-PAGE. Nature Protocols, 2009, 4, 1513-1521.	5.5	347
68	A Phos-tag-based fluorescence resonance energy transfer system for the analysis of the dephosphorylation of phosphopeptides. Analytical Biochemistry, 2009, 388, 235-241.	1.1	18
69	Phos-tag beads as an immunoblotting enhancer for selective detection of phosphoproteins in cell lysates. Analytical Biochemistry, 2009, 389, 83-85.	1.1	35
70	Zn(II)â€“Cyclen Polyacrylamide Gel Electrophoresis for SNP Detection. Methods in Molecular Biology, 2009, 578, 169-182.	0.4	3
71	Phosphate-Affinity Polyacrylamide Gel Electrophoresis for SNP Genotyping. Methods in Molecular Biology, 2009, 578, 183-192.	0.4	3
72	Separation of phosphoprotein isotypes having the same number of phosphate groups using phosphateâ€affinity SDSâ€PAGE. Proteomics, 2008, 8, 2994-3003.	1.3	81

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73	A mobility shift detection method for DNA methylation analysis using phosphate affinity polyacrylamide gel electrophoresis. Analytical Biochemistry, 2008, 378, 102-104.	1.1	7
74	Detection of the Gua/Cyt-to-Cyt/Gua mutation in a Gua/Cyt-lined sequence using Zn2+â€“cyclen polyacrylamide gel electrophoresis. Analytical Biochemistry, 2008, 380, 122-127.	1.1	7
75	FANCI phosphorylation functions as a molecular switch to turn on the Fanconi anemia pathway. Nature Structural and Molecular Biology, 2008, 15, 1138-1146.	3.6	207
76	Label-free Kinase Profiling Using Phosphate Affinity Polyacrylamide Gel Electrophoresis. Molecular and Cellular Proteomics, 2007, 6, 356-366.	2.5	126
77	Separation of a phosphorylated histidine protein using phosphate affinity polyacrylamide gel electrophoresis. Analytical Biochemistry, 2007, 360, 160-162.	1.1	50
78	A single nucleotide polymorphism genotyping method using phosphate-affinity polyacrylamide gel electrophoresis. Analytical Biochemistry, 2007, 361, 294-298.	1.1	15
79	Non-SCN5A Related Brugada Syndromes: Verification of Normal Splicing and Trafficking of SCN5A Without Exonic Mutations. Annals of Human Genetics, 2007, 71, 8-17.	0.3	7
80	Identification on membrane and characterization of phosphoproteins using an alkoxide-bridged dinuclear metal complex as a phosphate-binding tag molecule. Journal of Biomolecular Techniques, 2007, 18, 278-86.	0.8	14
81	Enrichment of phosphorylated proteins from cell lysate using a novel phosphate-affinity chromatography at physiological pH. Proteomics, 2006, 6, 5088-5095.	1.3	65
82	Phosphate-binding Tag, a New Tool to Visualize Phosphorylated Proteins. Molecular and Cellular Proteomics, 2006, 5, 749-757.	2.5	997
83	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.	2.0	9
84	A heteroduplex-preferential Tm depressor for the specificity-enhanced DNA polymerase chain reactions. Analytical Biochemistry, 2005, 337, 154-160.	1.1	14
85	Novel immobilized zinc(II) affinity chromatography for phosphopeptides and phosphorylated proteins. Journal of Separation Science, 2005, 28, 155-162.	1.3	93
86	Reliable and Cost-Effective Screening of Inherited Heterozygosity by Zn2+â€“Cyclen Polyacrylamide Gel Electrophoresis. Clinical Chemistry, 2005, 51, 2195-2198.	1.5	11
87	Detection and Quantification of On-Chip Phosphorylated Peptides by Surface Plasmon Resonance Imaging Techniques Using a Phosphate Capture Molecule. Analytical Chemistry, 2005, 77, 3979-3985.	3.2	126
88	Recognition of phosphate monoester dianion by an alkoxide-bridged dinuclear zinc(ii) complex. Dalton Transactions, 2004, , 1189.	1.6	193
89	A novel procedure for simple and efficient genotyping of single nucleotide polymorphisms by using the Zn2+-cyclen complex. Nucleic Acids Research, 2002, 30, 126e-126.	6.5	19
90	The Ultrastructure of Contractile Tubules in the Heliozoon Actinophrys sol and Their Possible Involvement in Rapid Axopodial Contraction. Journal of Eukaryotic Microbiology, 2001, 48, 519-526.	0.8	9

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91	On site of action of grayanotoxin in domain 4 segment 6 of rat skeletal muscle sodium channel. FEBS Letters, 2000, 465, 18-22.	1.3	28
92	Activation of MAP kinase cascade induced by human pancreatic phospholipase A2in a human pancreatic cancer cell line. FEBS Letters, 1997, 407, 343-346.	1.3	42
93	Ultrastructure and Rapid Axopodial Contraction of a Heliozoa, Raphidiophrys contractilis Sp. Nov.. Journal of Eukaryotic Microbiology, 1995, 42, 283-288.	0.8	17
94	Detection of phosphorylation on large proteins by western blotting using Phos-tag containing gel. Protocol Exchange, 0, , .	0.3	4