List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Laccase-catalyzed synthesis of conducting polyaniline. Enzyme and Microbial Technology, 2003, 33, 556-564.	3.2	135
2	Variations of peroxidase activity in cocoa (Theobroma cacao L.) beans during their ripening, fermentation and drying. Food Chemistry, 1999, 65, 51-54.	8.2	134
3	Biosensors based on novel peroxidases with improved properties in direct and mediated electron transfer. Biosensors and Bioelectronics, 2000, 15, 491-497.	10.1	130
4	Comparison of Enzyme-Linked Immunosorbent Assays with Chemiluminescent and Colorimetric Detection for the Determination of Ochratoxin A in Food. Journal of Agricultural and Food Chemistry, 2011, 59, 809-813.	5.2	90
5	Purification and substrate specificity of peroxidase from sweet potato tubers. Plant Science, 2002, 163, 1011-1019.	3.6	76
6	Immunohistochemical study of angiotensin-converting enzyme in human tissues using monoclonal antibodies. Histochemistry, 1987, 87, 487-490.	1.9	74
7	Peroxidase from leaves of royal palm tree Roystonea regia: purification and some properties. Plant Science, 2001, 161, 853-860.	3.6	70
8	Development of ultrasensitive direct chemiluminescent enzyme immunoassay for determination of aflatoxin M1 in milk. Food Chemistry, 2014, 158, 310-314.	8.2	63
9	Synthesis of polyelectrolyte complexes of polyaniline and sulfonated polystyrene by palm tree peroxidase. Enzyme and Microbial Technology, 2003, 33, 661-667.	3.2	62
10	Synthesis of Conducting Polyelectrolyte Complexes of Polyaniline and Poly(2-acrylamido-3-methyl-1-propanesulfonic acid) Catalyzed by pH-Stable Palm Tree Peroxidase. Biomacromolecules, 2005, 6, 1360-1366.	5.4	57
11	Biosensors based on novel plant peroxidases: a comparative study. Electrochimica Acta, 2000, 46, 255-264.	5.2	55
12	Purification and stability of peroxidase of African oil palm Elaies guineensis. Bioseparation, 2000, 9, 125-132.	0.7	55
13	Development of ultrasensitive direct chemiluminescent enzyme immunoassay for determination of aflatoxin B1 in food products. Talanta, 2013, 107, 25-29.	5.5	55
14	Bienzyme biosensors for glucose, ethanol and putrescine built on oxidase and sweet potato peroxidase. Biosensors and Bioelectronics, 2003, 18, 705-714.	10.1	52
15	Laccase-catalyzed synthesis of optically active polyaniline. Synthetic Metals, 2007, 157, 684-689.	3.9	48
16	A WS <sub>2</sub> nanosheet based chemiluminescence resonance energy transfer platform for sensing biomolecules. Chemical Communications, 2015, 51, 11092-11095.	4.1	48
17	Micellar Peroxidase-Catalyzed Synthesis of Chiral Polyaniline. Biomacromolecules, 2007, 8, 2549-2555.	5.4	42
18	Interaction of mAb to angiotensin-converting enzyme (ACE) with antigen in vitro and in vivo: antibody targeting to the lung induces ACE antigenic modulation. International Immunology, 1994, 6, 1153-1160.	4.0	40

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19	Soybean Peroxidase-Catalyzed Oxidation of Luminol by Hydrogen Peroxide. Journal of Agricultural and Food Chemistry, 2005, 53, 5784-5788.	5.2	38
20	Two-state irreversible thermal denaturation of anionic peanut (Arachis hypogaea L.) peroxidase. Thermochimica Acta, 2004, 417, 67-73.	2.7	34
21	Fiber-Optic Immunosensor for Detection of Crimean-Congo Hemorrhagic Fever IgG Antibodies in Patients. Analytical Chemistry, 2015, 87, 8394-8398.	6.5	34
22	Modeling and characterization of polyelectrolyte complex of polyaniline and sulfonated polystyrene produced by palm tree peroxidase. Synthetic Metals, 2004, 142, 127-135.	3.9	33
23	3-(10′-Phenothiazinyl)propionic acid is a potent primary enhancer of peroxidase-induced chemiluminescence and its application in sensitive ELISA of methylglyoxal-modified low density lipoprotein. Talanta, 2013, 115, 414-417.	5.5	33
24	Use of Soybean Peroxidase in Chemiluminescent Enzyme-Linked Immunosorbent Assay. Journal of Agricultural and Food Chemistry, 2006, 54, 1584-1587.	5.2	32
25	3-(10′-Phenothiazinyl)propane-1-sulfonate is a potent enhancer of soybean peroxidase-induced chemiluminescence. Analytical Biochemistry, 2009, 392, 54-58.	2.4	32
26	Cyclometalated ruthenium(II) complexes as efficient redox mediators in peroxidase catalysis. Journal of Biological Inorganic Chemistry, 2003, 8, 683-688.	2.6	31
27	Quantification of 2,4-dichlorophenoxyacetic acid in oranges and mandarins by chemiluminescent ELISA. Food Chemistry, 2013, 141, 865-868.	8.2	31
28	Thermal stability of peroxidase from the african oil palm treeElaeis guineensis. FEBS Journal, 2002, 269, 2584-2590.	0.2	30
29	Novel mitochondria-targeted antioxidants, "Skulachev-Ion―derivatives, accelerate dermal wound healing in animals. Biochemistry (Moscow), 2010, 75, 274-280.	1.5	29
30	Absolute Quantification of MicroRNAs in a Single Cell with Chemiluminescence Detection Based on Rolling Circle Amplification on a Microchip Platform. Analytical Chemistry, 2021, 93, 9218-9225.	6.5	29
31	Advantages of Soybean Peroxidase over Horseradish Peroxidase as the Enzyme Label in Chemiluminescent Enzyme-Linked Immunosorbent Assay of Sulfamethoxypyridazine. Journal of Agricultural and Food Chemistry, 2010, 58, 3284-3289.	5.2	28
32	Optimization of horseradish peroxidase-catalyzed enhanced chemiluminescence reaction by full factorial design. Talanta, 2012, 94, 223-226.	5.5	28
33	Determination of okadaic acid in shellfish by using a novel chemiluminescent enzyme-linked immunosorbent assay method. Talanta, 2013, 116, 343-346.	5.5	28
34	Extremely high stability of African oil palm tree peroxidase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2002, 1598, 108-114.	2.3	27
35	Substrate specificity of african oil palm tree peroxidase. Biochemistry (Moscow), 2002, 67, 1043-1047.	1.5	26
36	Felll–TAML activator: A potent peroxidase mimic for chemiluminescent determination of hydrogen peroxide. Talanta, 2014, 125, 361-365.	5.5	26

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37	Improving the Sensitivity of the miRNA Assay Coupled with the Mismatched Catalytic Hairpin Assembly Reaction by Optimization of Hairpin Annealing Conditions. Analytical Chemistry, 2021, 93, 6824-6830.	6.5	25
38	Bi-Enzyme Alcohol Biosensors Based on Genetically Engineered Alcohol Oxidase and Different Peroxidases. Mikrochimica Acta, 2005, 152, 21-27.	5.0	24
39	Affinity chromatography and some properties of the angiotensin-converting enzyme from human heart. Biochimica Et Biophysica Acta - General Subjects, 1987, 923, 143-149.	2.4	23
40	Expression and Refolding of Tobacco Anionic Peroxidase from E. coli Inclusion Bodies. Biochemistry (Moscow), 2003, 68, 1189-1194.	1.5	22
41	Palm Tree Peroxidases. Biochemistry (Moscow), 2004, 69, 823-829.	1.5	22
42	Palm tree peroxidase-based biosensor with unique characteristics for hydrogen peroxide monitoring. Biosensors and Bioelectronics, 2005, 21, 742-748.	10.1	22
43	Chemical modification and composition of tetrameric isozyme K of alkaline phosphatase from harp seal intestinal mucosa. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1989, 92, 119-122.	0.2	20
44	Development of ultra-sensitive soybean peroxidase-based CL-ELISA for the determination of human thyroglobulin. Journal of Immunological Methods, 2010, 362, 127-130.	1.4	20
45	Long-term chemiluminescent signal is produced in the course of luminol peroxidation catalyzed by peroxidase isolated from leaves of african oil palm tree. , 2001, 66, 515-519.		19
46	Purification and Characterization of Windmill Palm Tree (Trachycarpus fortunei) Peroxidase. Journal of Agricultural and Food Chemistry, 2006, 54, 9888-9894.	5.2	19
47	Mechanism of action of 4-dialkylaminopyridines as secondary enhancers in enhanced chemiluminescence reaction. Analytical Biochemistry, 2013, 434, 12-14.	2.4	19
48	Site-Specific <i>N</i> -Glycosylation Characterization of Windmill Palm Tree Peroxidase Using Novel Tools for Analysis of Plant Glycopeptide Mass Spectrometry Data. Journal of Proteome Research, 2016, 15, 2026-2038.	3.7	16
49	Microplate chemiluminescent assay for HBV DNA detection using 3-(10′-phenothiazinyl)propionic acid/N-morpholinopyridine pair as enhancer of HRP-catalyzed chemiluminescence. Analytical Biochemistry, 2018, 543, 33-36.	2.4	16
50	Luminol–hydrogen peroxide chemiluminescence produced by sweet potato peroxidase. Luminescence, 2007, 22, 92-96.	2.9	15
51	Improved method for chemiluminescent determination of peroxidase-mimicking DNAzyme activity. Analytical Biochemistry, 2014, 466, 19-23.	2.4	15
52	Structure–activity relationship study for design of highly active covalent peroxidase-mimicking DNAzyme. RSC Advances, 2015, 5, 51672-51677.	3.6	15
53	One-pot microplate-based chemiluminescent assay coupled with catalytic hairpin assembly amplification for DNA detection. Analytical and Bioanalytical Chemistry, 2020, 412, 5105-5111.	3.7	15
54	Stabilization of proteins by modification with water-soluble polysaccharides. Enzyme and Microbial Technology, 1984, 6, 27-30.	3.2	14

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55	Monoclonal antibodies to angiotensin-converting enzyme: A powerful tool for lung and vessel studies. Journal of Molecular and Cellular Cardiology, 1989, 21, 165-170.	1.9	14
56	Bioelectrocatalysis of Plant Peroxidases Immobilized on Graphite in Aqueous and Mixed Solvent Media. Electroanalysis, 2005, 17, 460-468.	2.9	14
57	Development of a chemiluminescent enzyme immunoassay for the determination of dexamethasone in milk. Analytical Methods, 2012, 4, 2550.	2.7	14
58	Highly sensitive microfluidic competitive enzyme immunoassay based on chemiluminescence resonance energy transfer for the detection of neuronâ€specific enolase. Electrophoresis, 2014, 35, 2022-2028.	2.4	14
59	An enhanced chemiluminescence resonance energy transfer system based on target recycling C-guadruplexes/hemin DNAzyme catalysis and its application in ultrasensitive detection of DNA. Talanta, 2015, 138, 59-63.	5.5	14
60	Atriopeptin 2 is hydrolysed by cardiac but not pulmonary isozyme of angiotensin-converting enzyme. Biochemical and Biophysical Research Communications, 1988, 151, 109-113.	2.1	13
61	Luminol oxidation catalyzed by royal palm leaf peroxidase. Applied Biochemistry and Microbiology, 2007, 43, 25-28.	0.9	13
62	Chemiluminescent microplate-based assay of DNA based on isothermal circular strand-displacement polymerization reaction (ICSDPR). Talanta, 2020, 215, 120895.	5.5	12
63	Isolation of human liver angiotensin-converting enzyme by chromatofocusing. Analytical Biochemistry, 1987, 166, 14-17.	2.4	10
64	Luminol oxidation by hydrogen peroxide with chemiluminescent signal formation catalyzed by peroxygenase from the fungus Agrocybe aegerita V.Brig Applied Biochemistry and Microbiology, 2010, 46, 65-68.	0.9	10
65	Ternary covalent conjugate (antibody–gold nanoparticle–peroxidase) for signal enhancement in enzyme immunoassay. RSC Advances, 2016, 6, 48827-48833.	3.6	10
66	Electrochemistry and electrocatalysis of covalent hemin-G4 complexes on gold. Journal of Electroanalytical Chemistry, 2018, 812, 174-179.	3.8	10
67	Potent debriding ability of collagenolytic protease isolated from the hepatopancreas of the king crab Paralithodes camtschatica. Archives of Dermatological Research, 1993, 285, 32-35.	1.9	9
68	Enzymatic synthesis of a conducting complex of polyaniline and poly(2-acrylamido-2-methyl-1-propanesulfonic acid) using palm tree peroxidase and its properties. Applied Biochemistry and Microbiology, 2005, 41, 247-250.	0.9	9
69	Amino Acid Sequence of Anionic Peroxidase from the Windmill Palm Tree <i>Trachycarpus fortunei</i> . Journal of Agricultural and Food Chemistry, 2014, 62, 11941-11948.	5.2	9
70	Enhanced chemiluminescence: A sensitive analytical system for detection of sweet potato peroxidase. Biotechnology Journal, 2010, 5, 886-890.	3.5	8
71	Homogeneous Chemiluminescent Determination of Mercury(II) Using a Peroxidase-Mimicking DNAzyme Assay. Analytical Letters, 2018, 51, 1280-1290.	1.8	8
72	Chemiluminescent and Colorimetric Aptamer-Based Assays of Human α-Thrombin. Analytical Letters, 2020, 53, 140-151.	1.8	8

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73	Purification and characterization of two serine collagenolytic proteases from crab Paralithodes camtschatica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1994, 108, 561-568.	0.2	7
74	Substrate specificity of collagenolytic proteases from the king crab Paralithodes camtschatica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1994, 107, 411-417.	0.2	7
75	Effect of irradiation on vitamin status and spermatogenesis in rats. Bulletin of Experimental Biology and Medicine, 1997, 123, 456-458.	0.8	7
76	Purification and Some Properties of Two Carboxypeptidases from the Hepatopancreas of the Crab Paralithodes camtschatica. Marine Biotechnology, 2000, 2, 259-266.	2.4	7
77	Chemiluminescent assay of phenol in wastewater using HRP-catalysed luminol oxidation with and without enhancers. Analytical Methods, 2014, 6, 8654-8659.	2.7	7
78	Isothermal chemiluminescent assay based on circular stand-displacement polymerization reaction amplification for cel-miRNA-39-3p determination in cell extracts. International Journal of Biological Macromolecules, 2021, 182, 987-992.	7.5	7
79	An ultrasensitive multivariate signal amplification strategy based on microchip platform tailored for simultaneous quantification of multiple microRNAs in single cell. Biosensors and Bioelectronics, 2022, 203, 114053.	10.1	7
80	Stability of serine collagenolytic protease a from hepatopancreas of crab Paralithodes camtschatica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 97, 407-410.	0.2	6
81	Non-enzymatic interaction of reaction products and substrates in peroxidase catalysis. Biochemistry (Moscow), 2003, 68, 1006-1011.	1.5	6
82	Oxidase-Peroxidase Method of Ethanol Assay in Fermented Musts and Wine Products. Applied Biochemistry and Microbiology, 2005, 41, 604-609.	0.9	6
83	The use of collagenase from the hepatopancreas of the Kamchatkan crabParalithodes camtschatica to isolate and culture endothelial cells from the human umbilical vein. Bulletin of Experimental Biology and Medicine, 1987, 104, 1324-1326.	0.8	5
84	Purification and characterization of intestinal alkaline phosphatase from harp seal. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1988, 90, 709-714.	0.2	5
85	Postgenomic chemistry (IUPAC Technical Report). Pure and Applied Chemistry, 2005, 77, 1641-1654.	1.9	5
86	Microplate Chemiluminescent Assay for DNA Detection Using Apoperoxidase-Oligonucleotide as Capture Conjugate and HRP-Streptavidin Signaling System. Sensors, 2018, 18, 1289.	3.8	5
87	One-step label-free chemiluminescent assay for determination of exonuclease III activity towards hairpin oligonucleotides. Enzyme and Microbial Technology, 2019, 131, 109419.	3.2	5
88	Chemiluminescent Determination of MicroRNA-141 Using Target-Dependent Activation of the Peroxidase-Mimicking DNAzyme. Analytical Letters, 2019, 52, 813-824.	1.8	5
89	Use of soybean peroxidase for the enzyme immunoassay of sulfamethoxipyridazine in milk. Applied Biochemistry and Microbiology, 2007, 43, 550-555.	0.9	4
90	Homogeneous chemiluminescent DNA assay based on allosteric activation of peroxidase-mimicking DNAzyme. RSC Advances, 2015, 5, 82865-82868.	3.6	4

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91	Suicide inactivation of covalent peroxidase-mimicking DNAzyme with hydrogen peroxide and its protection by a reductant substrate. Talanta, 2016, 155, 212-215.	5.5	4
92	Enhancement of ELISA sensitivity for the detection of rabbit anti-HIV antibodies using APAAP complex. Analytica Chimica Acta, 1996, 319, 265-269.	5.4	3
93	Enzyme immunoassay for the determination of hexestrol in meat. Applied Biochemistry and Microbiology, 2011, 47, 77-81.	0.9	3
94	High chemiluminescence activity of an Fe <sup>III</sup> –TAML activator in aqueous–organic media and its use in the determination of organic peroxides. Analyst, The, 2015, 140, 2964-2968.	3.5	3
95	Modern Methods for Assessment of microRNAs. Biochemistry (Moscow), 2022, 87, 425-442.	1.5	3
96	Purification and some properties of elastase from hepatopancreas of king crab Paralithodes camtschatica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 106, 681-684.	0.2	2
97	Immunohistochemical study of purulent wounds treated with King crab collagenase. Experimental Dermatology, 1994, 3, 51-55.	2.9	2
98	Comparative study of magnetic beads and microplates as supports in heterogeneous amplified assay of miRNA-141 by using mismatched catalytic hairpin assembly reaction. Talanta, 2022, 247, 123535.	5.5	2
99	Monoclonal antibodies to angiotensin converting enzyme from human lung. Bulletin of Experimental Biology and Medicine, 1987, 103, 794-796.	0.8	1
100	Monoclonal antibody to alkaline phosphatase from the intestinal mucosa of the harp seal, Phoca groenlandica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 101, 677-682.	0.2	1
101	Toxicological study of king crab collagenase. Bulletin of Experimental Biology and Medicine, 1995, 119, 377-380.	0.8	1
102	Effect of single total irradiation on the reproductive system and vitamin content in rat progeny. Bulletin of Experimental Biology and Medicine, 1998, 126, 1221-1223.	0.8	1
103	Purification and study of the physiocochemical properties of angiotensin-converting enzyme from human liver. Bulletin of Experimental Biology and Medicine, 1987, 103, 342-344.	0.8	0
104	Effect of anticoagulants on human plasma trypsin-like proteinase activity. Bulletin of Experimental Biology and Medicine, 1989, 107, 186-188.	0.8	0
105	Purification of alkaline phosphatase from the intestinal content of common seal (Phoca vitulina) Tj ETQq1 1 0.78 Comparative Biochemistry, 1991, 99, 509-511.	34314 rgB1 0.2	Överlock
106	Experimental morphologic study of the action of collagenase of the crabParalithodes camtschatica on wound healing. Bulletin of Experimental Biology and Medicine, 1992, 114, 1898-1901.	0.8	0
107	Immunohistochemical study of purulent wounds in the rat after application of collagenase isolated from the king crabParalithodes camtschatica. Bulletin of Experimental Biology and Medicine, 1993, 116, 1098-1102.	0.8	0
108	Physiological effects of active immunization with triiodothyronine in rats. Bulletin of Experimental Biology and Medicine, 1998, 126, 1083-1087.	0.8	0

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109	Vitamin status and spermatogenesis in rats during late stages after irradiation in various doses. Bulletin of Experimental Biology and Medicine, 1999, 128, 694-696.	0.8	0
110	Colorimetric determination of peroxidase activity in the presence of a polyanion. Journal of Analytical Chemistry, 2008, 63, 30-33.	0.9	0
111	Chemiluminescent Detection of HIV DNA Based on Allosteric Activation of Peroxidase-Mimicking DNAzyme. Moscow University Chemistry Bulletin, 2018, 73, 7-12.	0.6	0
112	Thermally induced conformational changes in horseradish peroxidase. FEBS Journal, 2001, 268, 120.	0.2	0