

Alkaline Phosphatase: An Overview

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A novel role of alkaline phosphatase in the ERK1/2 dephosphorylation in renal cell carcinoma cell lines: A new plausible therapeutic target. <i>Biochimie</i> , 2014, 107, 406-409.	1.3	15
2	Reduced L/B/K alkaline phosphatase gene expression in renal cell carcinoma: Plausible role in tumorigenesis. <i>Biochimie</i> , 2014, 104, 27-35.	1.3	9
3	Partial Enteral Nutrition Preserves Elements of Gut Barrier Function, Including Innate Immunity, Intestinal Alkaline Phosphatase (IAP) Level, and Intestinal Microbiota in Mice. <i>Nutrients</i> , 2015, 7, 6294-6312.	1.7	55
4	A High Level of Intestinal Alkaline Phosphatase Is Protective Against Type 2 Diabetes Mellitus Irrespective of Obesity. <i>EBioMedicine</i> , 2015, 2, 2016-2023.	2.7	66
5	Donor Age and Cell Passage Affect Osteogenic Ability of Rat Bone Marrow Mesenchymal Stem Cells. <i>Cell Biochemistry and Biophysics</i> , 2015, 72, 543-549.	0.9	36
6	Sustained release of Semaphorin 3A from $\hat{\pm}$ -tricalcium phosphate based cement composite contributes to osteoblastic differentiation of MC3T3-E1 cells. <i>Frontiers of Materials Science</i> , 2015, 9, 282-292.	1.1	2
7	Improved osteogenesis and upregulated immunogenicity in human placenta-derived mesenchymal stem cells primed with osteogenic induction medium. <i>Stem Cell Research and Therapy</i> , 2016, 7, 138.	2.4	17
8	Relation between the stability of dental implants and two biological markers during the healing period: a prospective clinical study. <i>International Journal of Implant Dentistry</i> , 2016, 2, 27.	1.1	19
9	Ectopic osteogenic capacity of freshly isolated adipose-derived stromal vascular fraction cells supported with platelet-rich plasma: A simulation of intraoperative procedure. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 1750-1760.	0.7	19
10	New risk factors and new tendency for central nervous system relapse in patients with diffuse large B-cell lymphoma: a retrospective study. <i>Chinese Journal of Cancer</i> , 2016, 35, 87.	4.9	15
11	Association of umbilical hernia with volume of ascites in liver cirrhosis: a retrospective observational study. <i>Journal of Evidence-Based Medicine</i> , 2016, 9, 170-180.	0.7	13
12	Critical role of neutrophil alkaline phosphatase in the antimicrobial function of neutrophils. <i>Life Sciences</i> , 2016, 157, 152-157.	2.0	18
13	Evaluation of serum bone alkaline phosphatase activity in patients with liver disease: Comparison between electrophoresis and chemiluminescent enzyme immunoassay. <i>Clinica Chimica Acta</i> , 2016, 460, 40-45.	0.5	8
14	Guanine-rich DNA-based peroxidase mimetics for colorimetric assays of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2016, 77, 549-556.	5.3	82
15	Polymorphisms in key bone modulator cytokines genes influence bisphosphonates therapy in postmenopausal women. <i>Inflammopharmacology</i> , 2017, 25, 191-201.	1.9	5
16	Instrument-free quantitative detection of alkaline phosphatase using paper-based devices. <i>Analytical Methods</i> , 2017, 9, 3375-3379.	1.3	12
17	TiO ₂ nanorod arrays modified Ti substrates promote the adhesion, proliferation and osteogenic differentiation of human periodontal ligament stem cells. <i>Materials Science and Engineering C</i> , 2017, 76, 684-691.	3.8	38
18	Biochemical Markers of Bone Turnover. <i>Molecular and Integrative Toxicology</i> , 2017, , 175-201.	0.5	2

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19	Elevated serum alkaline phosphatase and cardiovascular or all-cause mortality risk in dialysis patients: A meta-analysis. <i>Scientific Reports</i> , 2017, 7, 13224.	1.6	25
20	Calcium Concentration in Culture Medium as a Nondestructive and Rapid Marker of Osteogenesis. <i>Cell Transplantation</i> , 2017, 26, 1067-1076.	1.2	15
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22	Empirical likelihood-based robust tests for genetic association analysis with quantitative traits. <i>Journal of Applied Statistics</i> , 2017, 44, 2923-2935.	0.6	0
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27	Comparison between mandibular and femur derived bone marrow stromal cells: osteogenic and angiogenic potentials <i>in vitro</i> and bone repairing ability <i>in vivo</i> . <i>RSC Advances</i> , 2017, 7, 56220-56228.	1.7	7
28	Alkaline phosphatase and cardiovascular disease. <i>Journal of Laboratory and Precision Medicine</i> , 0, 2, 83-83.	1.1	7
29	Pretreatment Alkaline Phosphatase and Epstein-Barr Virus DNA Predict Poor Prognosis and Response to Salvage Radiotherapy in Patients with Nasopharyngeal Carcinoma and Metachronous Bone-Only Metastasis. <i>Journal of Cancer</i> , 2017, 8, 417-424.	1.2	18
30	Hypotheses on the Potential of Rice Bran Intake to Prevent Gastrointestinal Cancer through the Modulation of Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1352.	1.8	22
31	Incidence, prevalence and risk factors for post-surgical hypocalcaemia and hypoparathyroidism. <i>Gland Surgery</i> , 2017, 6, S59-S68.	0.5	45
32	Reference Intervals for Non-Fasting CVD Lipids and Inflammation Markers in Pregnant Indigenous Australian Women. <i>Healthcare (Switzerland)</i> , 2017, 5, 72.	1.0	2
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34	A turn-on fluorescence assay of alkaline phosphatase activity using a DNA-silver nanocluster probe. <i>New Journal of Chemistry</i> , 2018, 42, 4331-4336.	1.4	17
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37	G-Quadruplex DNA with an Apurinic Site as a Soft Molecularly Imprinted Sensing Platform. <i>Analytical Chemistry</i> , 2018, 90, 5552-5556.	3.2	17

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38	Coenzyme M biosynthesis in bacteria involves phosphate elimination by a functionally distinct member of the aspartase/fumarase superfamily. <i>Journal of Biological Chemistry</i> , 2018, 293, 5236-5246.	1.6	10
39	Sensitive detection of alkaline phosphatase by dephosphorylation-initiated transcription reaction-mediated dual signal amplification. <i>Chemical Communications</i> , 2018, 54, 2413-2416.	2.2	58
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41	Gaucher disease iPSC-derived osteoblasts have developmental and lysosomal defects that impair bone matrix deposition. <i>Human Molecular Genetics</i> , 2018, 27, 811-822.	1.4	30
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45	4-Aminopyridine based amide derivatives as dual inhibitors of tissue non-specific alkaline phosphatase and ecto-5â€²-nucleotidase with potential anticancer activity. <i>Bioorganic Chemistry</i> , 2018, 76, 237-248.	2.0	20
46	Protein stabilized fluorescent gold nanocubes as selective probe for alkaline phosphatase via inner filter effect. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 83-89.	4.0	29
47	2-Substituted 7-trifluoromethyl-thiadiazolopyrimidones as alkaline phosphatase inhibitors. Synthesis, structure activity relationship and molecular docking study. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 116-127.	2.6	10
48	Design and biological functionality of a novel hybrid Tiâ€²A</scp> /hydrogel system for reconstruction of bone defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1133-1144.	1.3	33
49	Lighting up alkaline phosphatase in drug-induced liver injury using a new chemiluminescence resonance energy transfer nanoprobe. <i>Chemical Communications</i> , 2018, 54, 12479-12482.	2.2	56
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57	Dishevelled β modulates osteogenic differentiation of human synovial fibroblasts in osteoarthritis. <i>Molecular Medicine Reports</i> , 2018, 18, 292-298.	1.1	3
58	Maternal l-glutamine supplementation during late gestation alleviates intrauterine growth restriction-induced intestinal dysfunction in piglets. <i>Amino Acids</i> , 2018, 50, 1289-1299.	1.2	19
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61	Fabrication and characterization of hydroxypropyl guar-poly (vinyl alcohol)-nano hydroxyapatite composite hydrogels for bone tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 2083-2105.	1.9	12
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65	A room-temperature phosphorescence sensor for the detection of alkaline phosphatase activity based on Mn-doped ZnS quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 78-84.	4.0	39
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67	Imaging of Enzyme Activity by Electron Paramagnetic Resonance: Concept and Experiment Using a Paramagnetic Substrate of Alkaline Phosphatase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11701-11705.	7.2	12
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74	Paleo-Narratives and White Atavism, 1898â€“2015. <i>ISLE Interdisciplinary Studies in Literature and Environment</i> , 2019, 26, 296-323.	0.1	1
75	Evaluation of single and combined effects of cadmium and micro-plastic particles on biochemical and immunological parameters of common carp (<i>Cyprinus carpio</i>). <i>Chemosphere</i> , 2019, 236, 124335.	4.2	175
76	Ligase amplification reaction-catalyzed assembly of a single quantum dot-based nanosensor for sensitive detection of alkaline phosphatase. <i>Chemical Communications</i> , 2019, 55, 8963-8966.	2.2	33
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78	Screening of the Hepatotoxic Components in Fructus Gardeniae and Their Effects on Rat Liver BRL-3A Cells. <i>Molecules</i> , 2019, 24, 3920.	1.7	20
79	The Effect of Heat Stress on Autophagy and Apoptosis of Rumen, Abomasum, Duodenum, Liver and Kidney Cells in Calves. <i>Animals</i> , 2019, 9, 854.	1.0	17
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95	Facile colorimetric assay of alkaline phosphatase activity using polydiacetylene liposomes with calcium ions and pyrophosphate. Sensors and Actuators B: Chemical, 2019, 289, 85-92.	4.0	33
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100	Antibody-Drug Conjugates Derived from Cytotoxic seco-CBI-Dimer Payloads Are Highly Efficacious in Xenograft Models and Form Protein Adducts In Vivo. Bioconjugate Chemistry, 2019, 30, 1356-1370.	1.8	15
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111	Associations between Vitamin D and Liver Function and Liver Fibrosis in Patients with Biliary Atresia. <i>Gastroenterology Research and Practice</i> , 2019, 2019, 1-7.	0.7	5
112	Re-Evaluating Biologic Pharmacotherapies that Target the Host Response during Sepsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6049.	1.8	9
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116	Liver-type of tissue non-specific alkaline phosphatase is induced during mouse bone and tooth cell differentiation. <i>Archives of Oral Biology</i> , 2019, 98, 32-37.	0.8	2
117	Molecular structure regulation and enzyme cascade signal amplification strategy for upconversion ratiometric luminescent and colorimetric alkaline phosphatase detection. <i>Analytica Chimica Acta</i> , 2019, 1051, 160-168.	2.6	27
118	Formation of calcium phosphate coatings within polycaprolactone scaffolds by simple, alkaline phosphatase based method. <i>Materials Science and Engineering C</i> , 2019, 96, 319-328.	3.8	21
119	Biacetyl heterocyclic benzamides as alkaline phosphatase inhibitors: Mechanistic comprehensions through kinetics and computational approaches. <i>Archiv Der Pharmazie</i> , 2019, 352, e1800278.	2.1	7
120	Scalable MSC-derived bone tissue modules: In vitro assessment of differentiation, matrix deposition, and compressive load bearing. <i>Acta Biomaterialia</i> , 2019, 95, 395-407.	4.1	10
121	Effects of dynamic feeding low- and high-methionine diets on the variation of glucose and lipid metabolism-related genes in the liver of laying hens. <i>Poultry Science</i> , 2019, 98, 2231-2240.	1.5	13
122	Electrochemical sensor for alkaline phosphatase as biomarker for clinical and in vitro applications. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 221-228.	4.0	43
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125	Microbiology of municipal solid waste landfills: a review of microbial dynamics and ecological influences in waste bioprocessing. <i>Biodegradation</i> , 2020, 31, 1-21.	1.5	38
126	Extracellular Nucleotides and P2 Receptors in Renal Function. <i>Physiological Reviews</i> , 2020, 100, 211-269.	13.1	58
127	Responses of gut morphology, serum biochemistry, and quality of breast meat to water deprivation in broilers. <i>Canadian Journal of Animal Science</i> , 2020, 100, 59-68.	0.7	4
128	Yttrium vanadates based ratiometric fluorescence probe for alkaline phosphatase activity sensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110618.	2.5	11

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130	Anatomical features in the kidney involved in water conservation through urine concentration in dromedaries (<i>Camelus dromedarius</i>). <i>Heliyon</i> , 2020, 6, e03139.	1.4	10
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132	Mimicking biological process to detect alkaline phosphatase activity using the vitamin B6 cofactor conjugated bovine serum albumin capped CdS quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110624.	2.5	21
133	3D Tissue-Engineered Tumor Model for Ewing's Sarcoma That Incorporates Bone-like ECM and Mineralization. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 539-552.	2.6	12
134	Electrochemistry for Life Detection on Ocean Worlds. <i>ChemElectroChem</i> , 2020, 7, 614-623.	1.7	4
135	Efficient synthesis and molecular docking of novel antibacterial pyrimidines and their related fused heterocyclic derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 590-605.	1.4	28
136	Prognostic Significance of Preoperative Gamma-Glutamyltransferase to Alkaline Phosphatase Ratio in Hepatocellular Carcinoma Patients with Curative Liver Resection: A Retrospective Cohort Study. <i>Cancer Management and Research</i> , 2020, Volume 12, 8721-8732.	0.9	6
137	Serum alkaline phosphatase is a prognostic marker in bone metastatic disease of the extremity. <i>Journal of Orthopaedics</i> , 2020, 22, 346-351.	0.6	5
138	Depletion of SNRNP200 inhibits the osteo/dentinogenic differentiation and cell proliferation potential of stem cells from the apical papilla. <i>BMC Developmental Biology</i> , 2020, 20, 22.	2.1	5
139	Photoencapsulated-mesenchymal stromal cells in biodegradable thiol-acrylate hydrogels enhance regeneration of craniofacial bone tissue defects. <i>Regenerative Medicine</i> , 2020, 15, 2115-2127.	0.8	7
140	Blood biochemistry profile of Qihe crucian carp <i>Carassius auratus</i> in different aquaponic systems. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42898-42907.	2.7	4
141	Osteogenic cocktail induces calcifications in human breast cancer cell line via placental alkaline phosphatase expression. <i>Scientific Reports</i> , 2020, 10, 12669.	1.6	7
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143	Simultaneous cortisol/insulin microchip detection using dual enzyme tagging. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112512.	5.3	40
144	Serum alkaline phosphatase levels and the risk of new-onset diabetes in hypertensive adults. <i>Cardiovascular Diabetology</i> , 2020, 19, 186.	2.7	19
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