

Yong-Doo Park

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

650

citations

15

h-index

22

g-index

59

ext. papers

734

ext. citations

5.2

avg, IF

3.51

L-index

#	Paper	IF	Citations
58	Effect of hesperetin on tyrosinase: inhibition kinetics integrated computational simulation study. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 257-62	7.9	78
57	Tyrosinase inhibition by isophthalic acid: kinetics and computational simulation. <i>International Journal of Biological Macromolecules</i> , 2011 , 48, 700-4	7.9	62
56	Inhibitory effect of hesperetin on α -glucosidase: Molecular dynamics simulation integrating inhibition kinetics. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 32-39	7.9	40
55	Towards a proteomic analysis of atopic dermatitis: a two-dimensional-polyacrylamide gel electrophoresis/mass spectrometric analysis of cultured patient-derived fibroblasts. <i>Proteomics</i> , 2004 , 4, 3446-55	4.8	37
54	Mixed-type inhibition of tyrosinase from <i>Agaricus bisporus</i> by terephthalic acid: computational simulations and kinetics. <i>Protein Journal</i> , 2011 , 30, 273-80	3.9	29
53	Profiling the dysregulated genes of keratinocytes in atopic dermatitis patients: cDNA microarray and interactomic analyses. <i>Journal of Dermatological Science</i> , 2009 , 54, 126-9	4.3	24
52	A new type of uncompetitive inhibition of tyrosinase induced by Cl ⁻ binding. <i>Biochimie</i> , 2005 , 87, 931-7	4.6	23
51	Metabolic responses and arginine kinase expression of juvenile cuttlefish (<i>Sepia pharaonis</i>) under salinity stress. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 881-888	7.9	20
50	Effects of osmolytes on arginine kinase from <i>Euphausia superba</i> : A study on thermal denaturation and aggregation. <i>Process Biochemistry</i> , 2014 , 49, 936-947	4.8	19
49	Inhibitory effect of raspberry ketone on α -glucosidase: Docking simulation integrating inhibition kinetics. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 212-218	7.9	18
48	Two-dimensional electrophoretic profiling of atopic dermatitis in primary cultured keratinocytes from patients. <i>Proteomics</i> , 2006 , 6, 1362-70	4.8	17
47	The inhibitory effect of pyrogallol on tyrosinase activity and structure: Integration study of inhibition kinetics with molecular dynamics simulation. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 463-471	7.9	17
46	A folding study of Antarctic krill (<i>Euphausia superba</i>) alkaline phosphatase using denaturants. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 266-74	7.9	16
45	Effects of osmolytes on <i>Pelodiscus sinensis</i> creatine kinase: a study on thermal denaturation and aggregation. <i>International Journal of Biological Macromolecules</i> , 2013 , 60, 277-87	7.9	15
44	Detection of down-regulated acetaldehyde dehydrogenase 1 in atopic dermatitis patients by two-dimensional electrophoresis. <i>Experimental Dermatology</i> , 2007 , 16, 130-4	4	15
43	Purification, characterization, and unfolding studies of arginine kinase from Antarctic krill. <i>International Journal of Biological Macromolecules</i> , 2014 , 67, 426-32	7.9	14
42	Two-dimensional electrophoresis analyses of atopic dermatitis and the chances to detect new candidate proteins by the variations in immobilized pH gradient strips. <i>Journal of Dermatological Science</i> , 2007 , 47, 9-17	4.3	14

41	Inhibitory effect of pyrogallol on α -glucosidase: Integrating docking simulations with inhibition kinetics. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 686-693	7.9	13
40	TXM13 human melanoma cells: a novel source for the inhibition kinetics of human tyrosinase and for screening whitening agents. <i>Biochemistry and Cell Biology</i> , 2006 , 84, 112-6	3.6	13
39	The effect of Zn ²⁺ on Euphausia superba arginine kinase: Unfolding and aggregation studies. <i>Process Biochemistry</i> , 2014 , 49, 821-829	4.8	12
38	Proteomic approaches to the analysis of atopic dermatitis and new insights from interactomics. <i>Proteomics - Clinical Applications</i> , 2008 , 2, 290-300	3.1	11
37	Inhibitory effect of phloroglucinol on α -glucosidase: Kinetics and molecular dynamics simulation integration study. <i>International Journal of Biological Macromolecules</i> , 2019 , 124, 771-779	7.9	11
36	DNA microarray analyses and interactomic predictions for atopic dermatitis. <i>Journal of Dermatological Science</i> , 2009 , 55, 123-5	4.3	10
35	Combination of free-flow electrophoresis and interactomics to analyze the dysregulated proteins of fibroblasts from atopic dermatitis patients. <i>Journal of Dermatological Science</i> , 2011 , 61, 148-50	4.3	9
34	Dysregulated genes of extrinsic type of atopic dermatitis: 34K microarray and interactomic analyses. <i>Journal of Dermatological Science</i> , 2009 , 53, 146-50	4.3	9
33	Effect of Cd on tyrosinase: Integration of inhibition kinetics with computational simulation. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 836-844	7.9	8
32	Inhibition of α -glucosidase by 2-thiobarbituric acid: Molecular dynamics simulation integrating parabolic noncompetitive inhibition kinetics. <i>Process Biochemistry</i> , 2018 , 65, 62-70	4.8	7
31	The effect of Cu ²⁺ on arginine kinase from Euphausia superba: A computational simulation integrating unfolding and aggregation studies. <i>Process Biochemistry</i> , 2015 , 50, 395-405	4.8	6
30	The Inhibitory Effects of Cu(2+) on Exopalaemon carinicauda Arginine Kinase via Inhibition Kinetics and Molecular Dynamics Simulations. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 1217-36	3.2	6
29	Proteomic analyses for profiling regulated proteins/enzymes by Fucus vesiculosus fucoidan in B16 melanoma cells: A combination of enzyme kinetics functional study. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 667-674	7.9	6
28	Analysis of the peptides detected in atopic dermatitis and various inflammatory diseases patients-derived sera. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1052-1061	7.9	6
27	Folding studies of arginine kinase from Euphausia superba using denaturants. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 3888-901	3.2	6
26	Effect of cysteine modification on creatine kinase aggregation. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 152, 15-28	3.2	6
25	Serum proteomic analyses for probing C3 fragment protein. <i>Process Biochemistry</i> , 2016 , 51, 981-988	4.8	5
24	Computational prediction for the protein interactions of tyrosinase: Protein experimental interactome MAP. <i>Process Biochemistry</i> , 2013 , 48, 638-648	4.8	5

23	Kinetics for Cu(2+) induced <i>Sepia pharaonis</i> arginine kinase inactivation and aggregation. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 926-33	7.9	5
22	Functional study of 14-3-3 protein epsilon (YWHAE) in keratinocytes: microarray integrating bioinformatics approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2633-2649	3.6	5
21	Effects of Cu on alkaline phosphatase from <i>Macrobrachium rosenbergii</i> . <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 116-123	7.9	5
20	Towards creatine kinase aggregation due to the cysteine modification at the flexible active site and refolding pathway. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 439-46	7.9	4
19	Thermal stable characteristics of acid- and pepsin-soluble collagens from the carapace tissue of Chinese soft-shelled turtle (<i>Pelodiscus sinensis</i>). <i>Tissue and Cell</i> , 2020 , 67, 101424	2.7	4
18	Hydrogen peroxide (H ₂ O ₂) irreversibly inactivates creatine kinase from <i>Pelodiscus sinensis</i> by targeting the active site cysteine. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1595-1601	7.9	3
17	An OMICS-based study of the role of C3dg in keratinocytes: RNA sequencing, antibody-chip array, and bioinformatics approaches. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 391-411	7.9	3
16	An integrated method for the detection of basic proteins in serum-derived proteomes. <i>Process Biochemistry</i> , 2016 , 51, 973-980	4.8	3
15	Comparative studies of the expression of creatine kinase isoforms under immune stress in <i>Pelodiscus sinensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 11-23	7.9	2
14	Trifluoroethanol-induced changes in activity and conformation of manganese-containing superoxide dismutase. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 276-88	3.2	2
13	The omics based study for the role of superoxide dismutase 2 (SOD2) in keratinocytes: RNA sequencing, antibody-chip array and bioinformatics approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2884-2897	3.6	2
12	An RNA interference based study for the role of ALDH1 in keratinocytes: DNA microarray, antibody-chip array and bioinformatics approaches. <i>Process Biochemistry</i> , 2014 , 49, 1612-1621	4.8	1
11	Are Podoplanin Gene Polymorphisms Associated with Atopic Dermatitis in Koreans?. <i>Annals of Dermatology</i> , 2015 , 27, 275-82	0.4	1
10	Inhibitory effect of α-ketoglutaric acid on α-glucosidase: integrating molecular dynamics simulation and inhibition kinetics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 3496-3503	3.6	1
9	Functional study of acetaldehyde dehydrogenase 1 (ALDH1) in keratinocytes: microarray integrating bioinformatics approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 2133-2151	3.6	1
8	Tyrosinase-mediated melanogenesis in melanoma cells: Array comparative genome hybridization integrating proteomics and bioinformatics studies. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 150-163	7.9	1
7	Effects of osmolytes on the refolding of recombinant <i>Pelodiscus sinensis</i> brain-type creatine kinase. <i>Process Biochemistry</i> , 2018 , 68, 83-92	4.8	
6	Integration of Inhibition Kinetics and Molecular Dynamics Simulations: A Urea-Mediated Folding Study on Acetaldehyde Dehydrogenase 1. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 179, 1101-14	3.2	

- 5 Screening and analysis of agouti signaling protein interaction partners in *Pelodiscus sinensis* suggests a role in lipid metabolism. *International Journal of Biological Macromolecules*, **2020**, 157, 695-705^{7.9}
- 4 A computational integrating kinetic study on the flexible active site of human acetaldehyde dehydrogenase 1. *Process Biochemistry*, **2016**, 51, 725-733 4.8
- 3 A Knock-Down Cell-Based Study for the Functional Analysis of Chloride Intracellular Channel 1 (CLIC1): Integrated Proteomics and Microarray Study. *Protein and Peptide Letters*, **2021**, 28, 84-100 1.9
- 2 Seasonal expression of cytoplasmic creatine kinase in the epididymal epithelium of. *Biotechnic and Histochemistry*, **2021**, 1-9 1.8
- 1 Characterization and tissue expression analysis of mitochondrial creatine kinases (types I and II) from .. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-15 3.6