

Jinhyuk Lee

List of Publications by Year in descending order

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55
papers

1,168
citations

430874

18
h-index

434195

31
g-index

55
all docs

55
docs citations

55
times ranked

1958
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in DDX58, which Encodes RIG-I, Cause Atypical Singleton-Merten Syndrome. <i>American Journal of Human Genetics</i> , 2015, 96, 266-274.	6.2	169
2	Inhibitory effect of hesperetin on β -glucosidase: Molecular dynamics simulation integrating inhibition kinetics. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 32-39.	7.5	51
3	Verproside inhibits TNF- α -induced MUC5AC expression through suppression of the TNF- α /NF- κ B pathway in human airway epithelial cells. <i>Cytokine</i> , 2016, 77, 168-175.	3.2	45
4	<i>ANXA11</i> mutations in ALS cause dysregulation of calcium homeostasis and stress granule dynamics. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	44
5	Tannic acid, a novel histone acetyltransferase inhibitor, prevents non-alcoholic fatty liver disease both in <i>in vivo</i> and <i>in vitro</i> model. <i>Molecular Metabolism</i> , 2019, 19, 34-48.	6.5	43
6	The effect of oxaloacetic acid on tyrosinase activity and structure: Integration of inhibition kinetics with docking simulation. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 59-66.	7.5	40
7	In Silico Docking and In Vitro Approaches towards BACE1 and Cholinesterases Inhibitory Effect of Citrus Flavanones. <i>Molecules</i> , 2018, 23, 1509.	3.8	40
8	Polymethoxyflavones: Novel β -Secretase (BACE1) Inhibitors from Citrus Peels. <i>Nutrients</i> , 2017, 9, 973.	4.1	38
9	Dual BACE1 and Cholinesterase Inhibitory Effects of Phlorotannins from <i>Ecklonia cava</i> An In Vitro and in Silico Study. <i>Marine Drugs</i> , 2019, 17, 91.	4.6	38
10	Baicalein as a Potential Inhibitor against BACE1 and AChE: Mechanistic Comprehension through In Vitro and Computational Approaches. <i>Nutrients</i> , 2019, 11, 2694.	4.1	37
11	The Identification of Biochanin A as a Potent and Selective β -Site App-Cleaving Enzyme 1 (Bace1) Inhibitor. <i>Nutrients</i> , 2016, 8, 637.	4.1	33
12	Directly converted patient-specific induced neurons mirror the neuropathology of FUS with disrupted nuclear localization in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2016, 11, 8.	10.8	33
13	BACE1 Inhibition by Genistein: Biological Evaluation, Kinetic Analysis, and Molecular Docking Simulation. <i>Journal of Medicinal Food</i> , 2018, 21, 416-420.	1.5	32
14	A pathway-based approach for identifying biomarkers of tumor progression to trastuzumab-resistant breast cancer. <i>Cancer Letters</i> , 2015, 356, 880-890.	7.2	31
15	Inhibitory effect of raspberry ketone on β -glucosidase: Docking simulation integrating inhibition kinetics. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 212-218.	7.5	30
16	Computational prediction integrating the inhibition kinetics of gallotannin on β -glucosidase. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 829-838.	7.5	27
17	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.	7.5	27
18	Clinical Relevance and Molecular Phenotypes in Gastric Cancer, of TP53 Mutations and Gene Expressions, in Combination With Other Gene Mutations. <i>Scientific Reports</i> , 2016, 6, 34822.	3.3	24

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19	Inhibition of tyrosinase by fumaric acid: Integration of inhibition kinetics with computational docking simulations. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1663-1669.	7.5	21
20	Inhibitory effect of pyrogallol on α -glucosidase: Integrating docking simulations with inhibition kinetics. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 686-693.	7.5	21
21	A folding study of Antarctic krill (<i>Euphausia superba</i>) alkaline phosphatase using denaturants. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 266-274.	7.5	19
22	Semi-Empirical Structure Determination of <i>Escherichia coli</i> Hsp33 and Identification of Dynamic Regulatory Elements for the Activation Process. <i>Journal of Molecular Biology</i> , 2015, 427, 3850-3861.	4.2	18
23	Fisetin inhibits TNF- α /NF- κ B-induced IL-8 expression by targeting PKC δ in human airway epithelial cells. <i>Cytokine</i> , 2018, 108, 247-254.	3.2	18
24	Effect of Ca ²⁺ on the activity and structure of α -glucosidase: Inhibition kinetics and molecular dynamics simulations. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 696-705.	2.2	17
25	Isolation and Characterization of the Stress-Tolerant <i>Candida tropicalis</i> YHJ1 and Evaluation of Its Xylose Reductase for Xylitol Production From Acid Pre-treatment Wastewater. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 138.	4.1	17
26	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.	7.5	17
27	Systematic approach identifies RHOA as a potential biomarker therapeutic target for Asian gastric cancer. <i>Oncotarget</i> , 2016, 7, 81435-81451.	1.8	17
28	Protein structure determination by conformational space annealing using $\langle \text{scp} \rangle \text{NMR} \langle / \text{scp} \rangle$ geometric restraints. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 2251-2262.	2.6	16
29	A comprehensive evaluation of regression-based drug responsiveness prediction models, using cell viability inhibitory concentrations (IC ₅₀ values). <i>Bioinformatics</i> , 2022, 38, 2810-2817.	4.1	16
30	Lignans Isolated From Flower Buds of <i>Magnolia fargesii</i> Attenuate Airway Inflammation Induced by Cigarette Smoke in vitro and in vivo. <i>Frontiers in Pharmacology</i> , 2018, 9, 970.	3.5	15
31	Piscroside C inhibits TNF- α /NF- κ B pathway by the suppression of PKC δ activity for TNF-RSC formation in human airway epithelial cells. <i>Phytomedicine</i> , 2018, 40, 148-157.	5.3	14
32	Molecular dynamics simulation integrating the inhibition kinetics of hydroxysafflor yellow A on α -glucosidase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 830-840.	3.5	14
33	The effect of alpha-ketoglutaric acid on tyrosinase activity and conformation: Kinetics and molecular dynamics simulation study. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1654-1662.	7.5	13
34	Rapid identification of isoprenylated flavonoids constituents with inhibitory activity on bacterial neuraminidase from root barks of paper mulberry (<i>Broussonetia papyrifera</i>). <i>International Journal of Biological Macromolecules</i> , 2021, 174, 61-68.	7.5	13
35	Effects of cadmium on the cuttlefish <i>Sepia pharaonis</i> arginine kinase: unfolding kinetics integrated with computational simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1763-1777.	3.5	12
36	Biological and Computational Studies for Dual Cholinesterases Inhibitory Effect of Zerumbone. <i>Nutrients</i> , 2020, 12, 1215.	4.1	12

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37	Effect of Cadmium Ion on alpha-Glucosidase: An Inhibition Kinetics and Molecular Dynamics Simulation Integration Study. <i>Protein Journal</i> , 2016, 35, 218-224.	1.6	10
38	NMRe: a web server for NMR protein structure refinement with high-quality structure validation scores. <i>Bioinformatics</i> , 2016, 32, 611-613.	4.1	10
39	Structural study reveals the temperature-dependent conformational flexibility of Tk-PTP, a protein tyrosine phosphatase from <i>Thermococcus kodakaraensis</i> KOD1. <i>PLoS ONE</i> , 2018, 13, e0197635.	2.5	9
40	Anti-Obesity Effects of Spiramycin In Vitro and In Vivo. <i>PLoS ONE</i> , 2016, 11, e0158632.	2.5	8
41	Effect of Cd ²⁺ on tyrosinase: Integration of inhibition kinetics with computational simulation. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 836-844.	7.5	8
42	Identification of a rare homozygous c.790C>T variation in the TFB2M gene in Korean patients with autism spectrum disorder. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 148-154.	2.1	8
43	Discovery of Natural Inhibitors of Cholinesterases from <i>Hydrangea</i> : In Vitro and In Silico Approaches. <i>Nutrients</i> , 2021, 13, 254.	4.1	7
44	Effect of Cd ²⁺ on muscle type of creatine kinase: Inhibition kinetics integrating computational simulations. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 233-241.	7.5	6
45	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.	7.5	5
46	PATHOME-Drug: a subpathway-based polypharmacology drug-repositioning method. <i>Bioinformatics</i> , 2022, 38, 444-452.	4.1	5
47	Designing an Antibody-Based Chaperoning System through Programming the Binding and Release of the Folding Intermediate. <i>ACS Chemical Biology</i> , 2016, 11, 1090-1097.	3.4	4
48	Towards Binding Mechanism of Cu ²⁺ on Creatine Kinase from <i>Pelodiscus sinensis</i> : Molecular Dynamics Simulation Integrating Inhibition Kinetics Study. <i>Protein and Peptide Letters</i> , 2017, 24, 534-544.	0.9	4
49	Network Comparison of Inflammation in Colorectal Cancer and Alzheimer's Disease. <i>BioMed Research International</i> , 2015, 2015, 1-6.	1.9	3
50	Development of <i>Bacillus methanolicus</i> methanol dehydrogenase with improved formaldehyde reduction activity. <i>Scientific Reports</i> , 2018, 8, 12483.	3.3	3
51	A Novel Heterozygous Missense Variant (c.667G>T;p.Gly223Cys) in <i>USH1C</i> That Interferes With Cadherin-Related 23 and Harmonin Interaction Causes Autosomal Dominant Nonsyndromic Hearing Loss. <i>Annals of Laboratory Medicine</i> , 2020, 40, 224-231.	2.5	3
52	Protein NMR Structures Refined without NOE Data. <i>PLoS ONE</i> , 2014, 9, e108888.	2.5	2
53	Marine invertebrate sialyltransferase of the sea squirt <i>Ciona savignyi</i> sialylated core 1 O-linked glycans. <i>International Journal of Biological Macromolecules</i> , 2021, , .	7.5	1
54	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, 1101-1114.	2.9	0

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55	Characterization and activity-folding relationship of serine protease from Antarctic krill (<i>Euphausia superba</i>). Journal of Biomolecular Structure and Dynamics, 0, , 1-14.	3.5	0