

Tomoki Nakayoshi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3786746/publications.pdf>

Version: 2024-02-01

32
papers

258
citations

1040056

9
h-index

1058476

14
g-index

32
all docs

32
docs citations

32
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of Molecular Dynamics Simulations for Prediction of Three-Dimensional Structures of Small Proteins. <i>Molecules</i> , 2017, 22, 1716.	3.8	49
2	Functional Characterization of 40 CYP3A4 Variants by Assessing Midazolam 1 α -Hydroxylation and Testosterone 6 α -Hydroxylation. <i>Drug Metabolism and Disposition</i> , 2021, 49, 212-220.	3.3	20
3	Computational Studies on the Nonenzymatic Deamidation Mechanisms of Glutamine Residues. <i>ACS Omega</i> , 2019, 4, 3508-3513.	3.5	17
4	Mechanisms of Deamidation of Asparagine Residues and Effects of Main-Chain Conformation on Activation Energy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7035.	4.1	17
5	Comparison of the activation energy barrier for succinimide formation from $\hat{1}$ - and $\hat{2}$ -aspartic acid residues obtained from density functional theory calculations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 759-766.	2.3	16
6	Effects of substituent pattern on the intracellular target of antiproliferative benzo[b]thiophenyl chromone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113578.	5.5	16
7	Possible Mechanisms of Nonenzymatic Formation of Dehydroalanine Residue Catalyzed by Dihydrogen Phosphate Ion. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3147-3155.	2.6	12
8	Molecular dynamics simulations for the protein $\hat{1}$ -ligand complex structures obtained by computational docking studies using implicit or explicit solvents. <i>Chemical Physics Letters</i> , 2021, 781, 139022.	2.6	12
9	Three dimensional structures of putative, primitive proteins to investigate the origin of homochirality. <i>Scientific Reports</i> , 2019, 9, 11594.	3.3	11
10	CYP2D6 genotyping analysis and functional characterization of novel allelic variants in a Ni-Vanuatu and Kenyan population by assessing dextromethorphan O-demethylation activity. <i>Drug Metabolism and Pharmacokinetics</i> , 2020, 35, 89-101.	2.2	9
11	Theoretical study on keto $\hat{1}$ -enol tautomerisation of glutarimide for exploration of the isomerisation reaction pathway of glutamic acid in proteins using density functional theory. <i>Molecular Physics</i> , 2017, 115, 560-565.	1.7	7
12	Influences of conformations of peptides on stereoinversions and/or isomerizations of aspartic acid residues. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 783-788.	2.3	7
13	Functional Assessment of 12 Rare Allelic CYP2C9 Variants Identified in a Population of 4773 Japanese Individuals. <i>Journal of Personalized Medicine</i> , 2021, 11, 94.	2.5	7
14	Validation of molecular force field parameters for peptides including isomerized amino acids. <i>Chirality</i> , 2018, 30, 332-341.	2.6	6
15	Computational studies on the water $\hat{1}$ -catalyzed stereoinversion mechanism of glutamic acid residues in peptides and proteins. <i>Chirality</i> , 2018, 30, 527-535.	2.6	5
16	Molecular Dynamics Simulations for Three-Dimensional Structures of Orotate Phosphoribosyltransferases Constructed from a Simplified Amino Acid Set. <i>ACS Omega</i> , 2020, 5, 13069-13076.	3.5	5
17	Computational studies on nonenzymatic succinimide-formation mechanisms of the aspartic acid residues catalyzed by two water molecules. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140459.	2.3	5
18	Computational Studies on the Mechanisms of Nonenzymatic Intramolecular Cyclization of the Glutamine Residues Located at N-Termini Catalyzed by Inorganic Phosphate Species. <i>ACS Omega</i> , 2020, 5, 9162-9170.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Molecular Mechanisms of Succinimide Formation from Aspartic Acid Residues Catalyzed by Two Water Molecules in the Aqueous Phase. <i>International Journal of Molecular Sciences</i> , 2021, 22, 509.	4.1	5
20	Functional Characterization of 21 Rare Allelic CYP1A2 Variants Identified in a Population of 4773 Japanese Individuals by Assessing Phenacetin O-Deethylation. <i>Journal of Personalized Medicine</i> , 2021, 11, 690.	2.5	5
21	Computational studies on nonenzymatic pyroglutamylation mechanism of N-terminal glutamic acid residues in aqueous conditions*. <i>Molecular Physics</i> , 2020, 118, e1702727.	1.7	4
22	Computational Analysis of the Mechanism of Nonenzymatic Peptide Bond Cleavage at the C-Terminal Side of an Asparagine Residue. <i>ACS Omega</i> , 2021, 6, 30078-30084.	3.5	4
23	(S)-Erypoeigin K, an isoflavone isolated from <i>Erythrina poeppigiana</i> , is a novel inhibitor of topoisomerase III \pm : Induction of G2 phase arrest in human gastric cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 30, 115904.	3.0	3
24	Deciphering Structural Alterations Associated with Activity Reductions of Genetic Polymorphisms in Cytochrome P450 2A6 Using Molecular Dynamics Simulations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10119.	4.1	3
25	Computational Studies on Water-Catalyzed Mechanisms for Stereoinversion of Glutarimide Intermediates Formed from Glutamic Acid Residues in Aqueous Phase. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2410.	4.1	2
26	Influence of the conformations of α -crystallin peptides on the isomerization rates of aspartic acid residues. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140480.	2.3	2
27	Nonenzymatic Deamidation Mechanism on a Glutamine Residue with a C-Terminal Adjacent Glycine Residue: A Computational Mechanistic Study. <i>AppliedChem</i> , 2021, 1, 142-155.	1.0	2
28	Theoretical Studies on the Effect of Isomerized Aspartic Acid Residues on the Three-Dimensional Structures of Bovine Pancreatic Ribonucleases A. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 967-975.	1.4	1
29	Development of Force Field Parameters for β -Carborane to Investigate the Structural Influence of Carborane Derivatives on Drug Targets by Complex Formation. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1931-1939.	1.4	1
30	Computational studies on non-succinimide-mediated stereoinversion mechanism of aspartic acid residues assisted by phosphate. <i>Molecular Physics</i> , 2018, 116, 686-696.	1.7	0
31	Computational analysis of nonenzymatic deamidation of asparagine residues catalysed by acetic acid. <i>Molecular Physics</i> , 2021, 119, e1827176.	1.7	0
32	Modification of the pH Dependence of Assembly of Yeast Cargo Receptor Emp47p Coiled-Coil Domains: Computational Design and Experimental Mutagenesis. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2222-2230.	2.6	0