

# Somsak Pianwanit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1220838/publications.pdf>

Version: 2024-02-01

44  
papers

599  
citations

687363

13  
h-index

642732

23  
g-index

44  
all docs

44  
docs citations

44  
times ranked

705  
citing authors

#	ARTICLE	IF	CITATIONS
1	How amantadine and rimantadine inhibit proton transport in the M2 protein channel. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 27, 342-348.	2.4	71
2	Source of High Pathogenicity of an Avian Influenza Virus H5N1: Why H5 Is Better Cleaved by Furin. <i>Biophysical Journal</i> , 2008, 95, 128-134.	0.5	39
3	On the Lower Susceptibility of Oseltamivir to Influenza Neuraminidase Subtype N1 than Those in N2 and N9. <i>Biophysical Journal</i> , 2007, 92, 798-807.	0.5	37
4	Homology modeling and molecular dynamics simulations of Dengue virus NS2B/NS3 protease: insight into molecular interaction. <i>Journal of Molecular Recognition</i> , 2010, 23, 283-300.	2.1	35
5	Anti-HIV-1 integrase compounds from <i>Dioscorea bulbifera</i> and molecular docking study. <i>Pharmaceutical Biology</i> , 2016, 54, 1077-1085.	2.9	32
6	Photoinduced electron transfer in wild type and mutated flavodoxin from <i>Desulfovibrio vulgaris</i> , strain Miyazaki F.: Energy gap law. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 219, 32-41.	3.9	29
7	Postprocessing of Protein-Ligand Docking Poses Using Linear Response MM-PB/SA: Application to Wee1 Kinase Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1574-1588.	5.4	27
8	Structural basis for the temperature-induced transition of d-amino acid oxidase from pig kidney revealed by molecular dynamic simulation and photo-induced electron transfer. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2567.	2.8	24
9	Simultaneous analyses of photoinduced electron transfer in the wild type and four single substitution isomers of the FMN binding protein from <i>Desulfovibrio vulgaris</i> , Miyazaki F. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6085.	2.8	23
10	Analysis of photoinduced electron transfer in flavodoxin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 333-340.	3.9	23
11	Anti-HIV-1 Integrase Activity and Molecular Docking Study of Compounds from <i>Caesalpinia sappan</i> L. <i>Phytotherapy Research</i> , 2015, 29, 724-729.	5.8	18
12	Receptor-based 3D-QSAR studies of checkpoint Wee1 kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1383-1395.	5.5	16
13	Hybrid Quantum Mechanical/Molecular Mechanical Molecular Dynamics Simulations of HIV-1 Integrase/Inhibitor Complexes. <i>Biophysical Journal</i> , 2007, 93, 3613-3626.	0.5	15
14	The mechanism of photoinduced electron transfer in the d-amino acid oxidase-benzoate complex from pig kidney: Electron transfer in the inverted region. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 250, 6-17.	3.9	13
15	Mechanism of photoinduced electron transfer from tyrosine to the excited flavin in the flavodoxin from <i>Helicobacter pylori</i> . A comparative study with the flavodoxin and flavin mononucleotide binding protein from <i>Desulfovibrio vulgaris</i> (Miyazaki F). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 268, 58-66.	3.9	13
16	Non-equivalent conformations of d-amino acid oxidase dimer from porcine kidney between the two subunits. Molecular dynamics simulation and photoinduced electron transfer. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1930-1944.	2.8	13
17	Anti-HIV-1 integrase activity and molecular docking of compounds from <i>Albizia procera</i> bark. <i>Pharmaceutical Biology</i> , 2015, 53, 1861-1866.	2.9	13
18	Theoretical analyses of the fluorescence lifetimes of the d-amino acid oxidase-benzoate complex dimer from porcine kidney: molecular dynamics simulation and photoinduced electron transfer. <i>RSC Advances</i> , 2014, 4, 54096-54108.	3.6	12

#	ARTICLE	IF	CITATIONS
19	Heterogeneous subunit structures in the pyranose 2-oxidase homotetramer revealed by theoretical analysis of the rates of photoinduced electron transfer from a tryptophan to the excited flavin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 306, 66-79.	3.9	12
20	Photoinduced electron transfer from aromatic amino acids to the excited isoalloxazine in flavin mononucleotide binding protein. Is the rate in the inverted region of donor-acceptor distance not real?. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 326, 60-68.	3.9	12
21	Bell-shaped dependence of the rate of ultrafast photoinduced electron transfer from aromatic amino acids to the excited flavin on the donor-acceptor distance in FMN binding proteins. <i>Computational and Theoretical Chemistry</i> , 2014, 1030, 9-16.	2.5	11
22	Relationship between rate of photoinduced electron transfer and hydrogen bonding chain of tyrosine-glutamine-flavin in flavin photoreceptors: Global analyses among four TePixDs and three AppAs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 252, 14-24.	3.9	10
23	AH $\pi$ - $\pi$ hydrogen bonding to acetylene and benzene: The role of intramolecular coupling. <i>Computational and Theoretical Chemistry</i> , 2012, 999, 231-238.	2.5	9
24	Homology modelling and molecular dynamics simulations of wild type and mutated flavodoxins from <i>Desulfovibrio vulgaris</i> (Miyazaki F): insight into FMN-apoprotein interactions. <i>Molecular Simulation</i> , 2011, 37, 1164-1178.	2.0	8
25	Structural heterogeneity among four subunits in pyranose 2-oxidase: A molecular dynamics simulation study. <i>Journal of Theoretical and Computational Chemistry</i> , 2014, 13, 1440010.	1.8	8
26	The C-terminal region of xylanase domain in Xyn11A from <i>Paenibacillus curdlanolyticus</i> B-6 plays an important role in structural stability. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8223-8233.	3.6	8
27	Computational Studies of HIV-1 Integrase and its Inhibitors. <i>Current Computer-Aided Drug Design</i> , 2007, 3, 160-190.	1.2	7
28	Theoretical analyses of photoinduced electron transfer in medium chain acyl-CoA dehydrogenase: Electron transfer in the normal region. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 224, 80-90.	3.9	7
29	Molecular dynamics simulation, binding free energy calculation and molecular docking of human D-amino acid oxidase (DAAO) with its inhibitors. <i>Molecular Simulation</i> , 2014, 40, 1167-1189.	2.0	6
30	Use of a Hexasubstituted Benzene Scaffold in the Development of Multivalent HIV-1 Integrase Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 754-763.	1.3	6
31	Classification of the mechanisms of photoinduced electron transfer from aromatic amino acids to the excited flavins in flavoproteins. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16813-16825.	2.8	6
32	Role of the electrostatic energy between the photo-products and ionic groups on the photoinduced electron transfer rates from aromatic amino acids to the excited flavin in five single-point substitution isoforms of the charged amino acid residue-13 in the FMN-binding protein. <i>Molecular Simulation</i> , 2015, 41, 580-591.	2.0	5
33	Conformational difference between two subunits in flavin mononucleotide binding protein dimers from <i>Desulfovibrio vulgaris</i> (MF): molecular dynamics simulation. <i>Computational Biology and Chemistry</i> , 2016, 64, 113-125.	2.3	5
34	Anti-HIV-1 integrase effect of compounds from <i>Aglaia andamanica</i> leaves and molecular docking study with acute toxicity test in mice. <i>Pharmaceutical Biology</i> , 2016, 54, 654-659.	2.9	5
35	Dynamics of the protein structure of T169S pyranose 2-oxidase in solution: Molecular dynamics simulation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 1913-1924.	2.6	5
36	Theoretical study on the HIV-1 integrase inhibitor 1-(5-chloroindol-3-yl)-3-hydroxy-3-(2H-tetrazol-5-yl)-propanone (5CITEP). <i>Journal of Molecular Structure</i> , 2007, 844-845, 208-214.	3.6	4

#	ARTICLE	IF	CITATIONS
37	Photoinduced electron transfer from aromatic amino acids to the excited isoalloxazine in single mutated flavin mononucleotide binding proteins: Effect of the dimer formation on the rate and the electrostatic energy inside the proteins. <i>Computational and Theoretical Chemistry</i> , 2017, 1108, 1-9.	2.5	4
38	Physical quantity of residue electrostatic energy in flavin mononucleotide binding protein dimer. <i>Computational Biology and Chemistry</i> , 2018, 72, 96-104.	2.3	3
39	Comparative Study on the Mechanism of Photoinduced Electron Transfer from Tryptophan 168 to Excited Flavin in T169S and Wild-type Pyranose 2-Oxidase. <i>ACS Omega</i> , 2019, 4, 593-605.	3.5	2
40	Interactions between isoalloxazine and o-aminobenzoate in o-aminobenzoate <sup>-</sup> d-amino acid oxidase complex. Molecular dynamics and molecular orbital studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 408, 113090.	3.9	2
41	New Aspects of the Structure of d-Amino Acid Oxidase from Porcine Kidney in Solution: Molecular Dynamics Simulation and Photoinduced Electron Transfer. , 2017, , .		1
42	Understanding of Drug-Target Interactions: A case Study in Influenza Virus A Subtype H5N1. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
43	Protein dynamics of five FMN binding protein isomers revealed by residue electrostatic energies between ionic residues: correlation coefficients. <i>Chemical Papers</i> , 2020, 74, 2901-2915.	2.2	0
44	Photoinduced Electron Transfer Modeling to Simulate Flavoprotein Fluorescence Decay. <i>Methods in Molecular Biology</i> , 2014, 1076, 337-355.	0.9	0