

Surajit Banerjee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6900166/publications.pdf>

Version: 2024-02-01

62
papers

2,190
citations

257357

24
h-index

243529

44
g-index

67
all docs

67
docs citations

67
times ranked

3801
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray structures of GluCl in apo states reveal a gating mechanism of Cys-loop receptors. <i>Nature</i> , 2014, 512, 333-337.	13.7	236
2	Structural basis for targeted DNA cytosine deamination and mutagenesis by APOBEC3A and APOBEC3B. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 131-139.	3.6	214
3	(R)-Profens are substrate-selective inhibitors of endocannabinoid oxygenation by COX-2. <i>Nature Chemical Biology</i> , 2011, 7, 803-809.	3.9	157
4	Structures of aminoarabinose transferase ArnT suggest a molecular basis for lipid A glycosylation. <i>Science</i> , 2016, 351, 608-612.	6.0	94
5	An ancient protein-DNA interaction underlying metazoan sex determination. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 442-451.	3.6	93
6	Oxicams Bind in a Novel Mode to the Cyclooxygenase Active Site via a Two-water-mediated H-bonding Network. <i>Journal of Biological Chemistry</i> , 2014, 289, 6799-6808.	1.6	90
7	Crystal structure of the Rous sarcoma virus intasome. <i>Nature</i> , 2016, 530, 362-366.	13.7	86
8	Structure and dynamics of SARS-CoV-2 proofreading exoribonuclease ExoN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	83
9	Three-dimensional Structure of Steroid 21-Hydroxylase (Cytochrome P450 21A2) with Two Substrates Reveals Locations of Disease-associated Variants. <i>Journal of Biological Chemistry</i> , 2012, 287, 10613-10622.	1.6	73
10	An overview of structure, function, and regulation of pyruvate kinases. <i>Protein Science</i> , 2019, 28, 1771-1784.	3.1	73
11	Cation-Dependent Nuclearity of the Copper ^{II} Azido Moiety: A Synthesis, Structure, and Magnetic Study. <i>Inorganic Chemistry</i> , 2005, 44, 6379-6385.	1.9	69
12	Oxoperoxo molybdenum(vi) and tungsten(vi) and oxodiperoxo molybdate(vi) and tungstate(vi) complexes with 8-quinolinol: synthesis, structure and catalytic activity. <i>New Journal of Chemistry</i> , 2005, 29, 554.	1.4	65
13	<i>nido</i> - Δ carbaborate Induces Potent and Selective Inhibition of Cyclooxygenase-2. <i>ChemMedChem</i> , 2016, 11, 175-178.	1.6	49
14	T4 DNA ligase structure reveals a prototypical ATP-dependent ligase with a unique mode of sliding clamp interaction. <i>Nucleic Acids Research</i> , 2018, 46, 10474-10488.	6.5	45
15	Oxidoperoxidotungsten(VI) Complexes with Secondary Hydroxamic Acids: Synthesis, Structure and Catalytic Uses in Highly Efficient, Selective and Ecologically Benign Oxidation of Olefins, Alcohols, Sulfides and Amines with H ₂ O ₂ as a Terminal Oxidant. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2038-2051.	1.0	43
16	Structural basis for phosphatidylinositol-phosphate biosynthesis. <i>Nature Communications</i> , 2015, 6, 8505.	5.8	43
17	Structural basis for catalysis in a CDP-alcohol phosphotransferase. <i>Nature Communications</i> , 2014, 5, 4068.	5.8	42
18	Ligand Binding Induces Conformational Changes in Human Cellular Retinol-binding Protein 1 (CRBP1) Revealed by Atomic Resolution Crystal Structures. <i>Journal of Biological Chemistry</i> , 2016, 291, 8528-8540.	1.6	41

#	ARTICLE	IF	CITATIONS
19	Selective incision of the \pm -Methylformamidopyrimidine Anomer by <i>Escherichia coli</i> Endonuclease IV. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-10.	0.8	35
20	Substrate-Selective Inhibition of Cyclooxygenase-2: Development and Evaluation of Achiral Proben Probes. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 759-763.	1.3	33
21	Structure of the polyisoprenyl-phosphate glycosyltransferase GtrB and insights into the mechanism of catalysis. <i>Nature Communications</i> , 2016, 7, 10175.	5.8	33
22	Bypass of Aflatoxin B ₁ Adducts by the <i>Sulfolobus solfataricus</i> DNA Polymerase IV. <i>Journal of the American Chemical Society</i> , 2011, 133, 12556-12568.	6.6	30
23	Action at a Distance. <i>Journal of Biological Chemistry</i> , 2015, 290, 12793-12803.	1.6	28
24	Photocyclic behavior of rhodopsin induced by an atypical isomerization mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2608-E2615.	3.3	28
25	Crystal structures and mutagenesis of PPP-family ser/thr protein phosphatases elucidate the selectivity of cantharidin and novel norcantharidin-based inhibitors of PP5C. <i>Biochemical Pharmacology</i> , 2016, 109, 14-26.	2.0	26
26	13-Methylarachidonic Acid Is a Positive Allosteric Modulator of Endocannabinoid Oxygenation by Cyclooxygenase. <i>Journal of Biological Chemistry</i> , 2015, 290, 7897-7909.	1.6	25
27	Structure and Spectroscopy of Alkene-Cleaving Dioxygenases Containing an Atypically Coordinated Non-Heme Iron Center. <i>Biochemistry</i> , 2017, 56, 2836-2852.	1.2	23
28	Fluorescent indomethacin-dansyl conjugates utilize the membrane-binding domain of cyclooxygenase-2 to block the opening to the active site. <i>Journal of Biological Chemistry</i> , 2019, 294, 8690-8698.	1.6	21
29	Structural Insights into the <i>Drosophila melanogaster</i> Retinol Dehydrogenase, a Member of the Short-Chain Dehydrogenase/Reductase Family. <i>Biochemistry</i> , 2016, 55, 6545-6557.	1.2	19
30	Abnormal Cannabidiol Modulates Vitamin A Metabolism by Acting as a Competitive Inhibitor of CRBP1. <i>ACS Chemical Biology</i> , 2019, 14, 434-448.	1.6	18
31	Leukotriene Biosynthesis Inhibitor MK886 Impedes DNA Polymerase Activity. <i>Chemical Research in Toxicology</i> , 2013, 26, 221-232.	1.7	17
32	Exploring the molecular determinants of substrate-selective inhibition of cyclooxygenase-2 by lumiracoxib. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5860-5864.	1.0	16
33	Antitumor Activity of Cytotoxic Cyclooxygenase-2 Inhibitors. <i>ACS Chemical Biology</i> , 2016, 11, 3052-3060.	1.6	16
34	Enzyme That Makes You Cry—Crystal Structure of Lachrymatory Factor Synthase from <i>Allium cepa</i> . <i>ACS Chemical Biology</i> , 2017, 12, 2296-2304.	1.6	16
35	Structural and Functional Characterization of Phosphatidylinositol-Phosphate Biosynthesis in Mycobacteria. <i>Journal of Molecular Biology</i> , 2020, 432, 5137-5151.	2.0	16
36	Structural Basis for Error-Free Bypass of the 5-Methylformamidopyrimidine-dG Lesion by Human DNA Polymerase β and <i>Sulfolobus solfataricus</i> P2 Polymerase IV. <i>Journal of the American Chemical Society</i> , 2015, 137, 7011-7014.	6.6	15

#	ARTICLE	IF	CITATIONS
37	Salt-bridge modulates differential calcium-mediated ligand binding to integrin $\hat{1}$ - and $\hat{2}$ -I domains. <i>Scientific Reports</i> , 2018, 8, 2916.	1.6	15
38	Crystal Structures of Group B Streptococcus Glyceraldehyde-3-Phosphate Dehydrogenase: Apo-Form, Binary and Ternary Complexes. <i>PLoS ONE</i> , 2016, 11, e0165917.	1.1	14
39	Harmaline Analogs as Substrate-Selective Cyclooxygenase-2 Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1881-1885.	1.3	14
40	Thermochromism in nickel(II) complexes: thermal, solid state ¹ H NMR and single crystal X-ray analysis of bis-(N,N-dimethyl-1,2-ethanediamine) nickel(II) perchlorate. <i>Journal of Molecular Structure</i> , 2002, 608, 63-69.	1.8	12
41	Poxvirus uracil-DNA glycosylase—An unusual member of the family I uracil-DNA glycosylases. <i>Protein Science</i> , 2016, 25, 2113-2131.	3.1	11
42	Dual cyclooxygenase—fatty acid amide hydrolase inhibitor exploits novel binding interactions in the cyclooxygenase active site. <i>Journal of Biological Chemistry</i> , 2018, 293, 3028-3038.	1.6	10
43	Structural basis for recognition of distinct deaminated DNA lesions by endonuclease Q. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
44	Structure-based analysis of CysZ-mediated cellular uptake of sulfate. <i>ELife</i> , 2018, 7, .	2.8	10
45	Kinetics of a Collagen-Like Polypeptide Fragmentation after Mid-IR Free-Electron Laser Ablation. <i>Biophysical Journal</i> , 2008, 95, 1371-1381.	0.2	9
46	Structure of <i>Streptococcus agalactiae</i> glyceraldehyde-3-phosphate dehydrogenase holoenzyme reveals a novel surface. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1333-1339.	0.4	9
47	Active site plasticity and possible modes of chemical inhibition of the human DNA deaminase APOBEC3B. <i>FASEB BioAdvances</i> , 2020, 2, 49-58.	1.3	9
48	Immobilization of a Metal Complex in Y-Zeolite Matrix: Synthesis, X-ray Single-Crystal, and Catalytic Activities of a Copper (Schiff-Base)—Y Zeolite Based Hybrid Catalyst. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 709-714.	2.0	8
49	Replication Bypass of the <i>trans</i> -4-Hydroxynonenal-Derived (6 <i>S</i> ,8 <i>R</i> ,11 <i>S</i>)-1, <i>N</i> ² -Deoxyguanosine DNA Adduct by the <i>Sulfolobus solfataricus</i> DNA Polymerase IV. <i>Chemical Research in Toxicology</i> , 2012, 25, 422-435.	1.7	8
50	Binding of undamaged double stranded DNA to vaccinia virus uracil-DNA Glycosylase. <i>BMC Structural Biology</i> , 2015, 15, 10.	2.3	8
51	A Nucleotide-Analogue-Induced Gain of Function Corrects the Error-Prone Nature of Human DNA Polymerase ι . <i>Journal of the American Chemical Society</i> , 2012, 134, 10698-10705.	6.6	7
52	Molecular basis for the interaction of cellular retinol binding protein 2 (CRBP2) with nonretinoid ligands. <i>Journal of Lipid Research</i> , 2021, 62, 100054.	2.0	6
53	Differential Furanose Selection in the Active Sites of Archaeal DNA Polymerases Probed by Fixed-Conformation Nucleotide Analogues. <i>Biochemistry</i> , 2012, 51, 9234-9244.	1.2	5
54	<i>Chlamydia trachomatis</i> glyceraldehyde 3-phosphate dehydrogenase: Enzyme kinetics, high-resolution crystal structure, and plasminogen binding. <i>Protein Science</i> , 2020, 29, 2446-2458.	3.1	5

#	ARTICLE	IF	CITATIONS
55	Ring-Opening of the β -OH-PdG Adduct Promotes Error-Free Bypass by the <i>Sulfolobus solfataricus</i> DNA Polymerase Dpo4. <i>Chemical Research in Toxicology</i> , 2013, 26, 1348-1360.	1.7	3
56	Structure and Conformation of Solvated 1-(4-methoxybenzenesulfonyl)-5-oxo-pyrrolidine-2-carboxamide. <i>Crystal Research and Technology</i> , 2002, 37, 309-317.	0.6	2
57	Synthesis, spectroscopic studies and ab-initio structure determination from X-ray powder diffraction of bis-(N-3-acetophenylsalicylaldiminato)copper(II). <i>Crystal Research and Technology</i> , 2005, 40, 815-821.	0.6	2
58	A series of three (E)-2-alkylidene-1,4-di-p-tosyl-1,2,3,4-tetrahydroquinoxaline compounds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 861-864.	0.4	1
59	4-Methyl-N-[2-(p-tolylsulfonyl)phenyl]benzenesulfonamide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1490-1491.	0.4	0
60	Cation-Dependent Nuclearity of the Copper Azido Moiety: Synthesis, Structure, and Magnetic Study.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
61	Synthesis and Crystal Structure of 2-(1-Methyl-1H-3-indolyl)nicotinonitrile. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X55-X56.	0.1	0
62	NE-CAT: Crystallography Beamlines for Challenging Structural Biology Research. <i>Biophysical Journal</i> , 2018, 114, 524a.	0.2	0