Tobias Karlberg

List of Publications by Year
in descending order

24 papers	1,823 citations	331670 21 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	2490 citing authors

#	Article	IF	Citations
1	Family-wide chemical profiling and structural analysis of PARP and tankyrase inhibitors. Nature Biotechnology, 2012, 30, 283-288.	17.5	410
2	Structural Basis for Potency and Promiscuity in Poly(ADP-ribose) Polymerase (PARP) and Tankyrase Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 1262-1271.	6.4	262
3	Structural Basis for the Inhibition Mechanism of Human Cystathionine Î³-Lyase, an Enzyme Responsible for the Production of H2S. Journal of Biological Chemistry, 2009, 284, 3076-3085.	3.4	166
4	Structural Basis for the Interaction between Tankyrase-2 and a Potent Wnt-Signaling Inhibitor. Journal of Medicinal Chemistry, 2010, 53, 5352-5355.	6.4	110
5	Structural Basis for Inhibitor Specificity in Human Poly(ADP-ribose) Polymerase-3. Journal of Medicinal Chemistry, 2009, 52, 3108-3111.	6.4	88
6	The Structures of Frataxin Oligomers Reveal the Mechanism for the Delivery and Detoxification of Iron. Structure, 2006, 14, 1535-1546.	3.3	78
7	Crystal Structure of the Catalytic Domain of Human PARP2 in Complex with PARP Inhibitor ABT-888. Biochemistry, 2010, 49, 1056-1058.	2.5	72
8	Structural Basis for Lack of ADP-ribosyltransferase Activity in Poly(ADP-ribose) Polymerase-13/Zinc Finger Antiviral Protein. Journal of Biological Chemistry, 2015, 290, 7336-7344.	3.4	70
9	Porphyrin Binding and Distortion and Substrate Specificity in the Ferrochelatase Reaction: The Role of Active Site Residues. Journal of Molecular Biology, 2008, 378, 1074-1083.	4.2	62
10	Metal Binding to Saccharomyces cerevisiae Ferrochelatase. Biochemistry, 2002, 41, 13499-13506.	2.5	61
11	Amino Acid Residues His183 and Glu264 inBacillus subtilisFerrochelatase Direct and Facilitate the Insertion of Metal Ion into Protoporphyrin IXâ€,â€¡. Biochemistry, 2007, 46, 87-94.	2.5	60
12	Structural biology of the writers, readers, and erasers in mono- and poly(ADP-ribose) mediated signaling. Molecular Aspects of Medicine, 2013, 34, 1088-1108.	6.4	58
13	Towards small molecule inhibitors of mono-ADP-ribosyltransferases. European Journal of Medicinal Chemistry, 2015, 95, 546-551.	5.5	46
14	Small Molecule Microarray Based Discovery of PARP14 Inhibitors. Angewandte Chemie - International Edition, 2017, 56, 248-253.	13.8	38
15	Discovery of Ligands for ADP-Ribosyltransferases via Docking-Based Virtual Screening. Journal of Medicinal Chemistry, 2012, 55, 7706-7718.	6.4	37
16	Metallation of the Transition-state Inhibitor N-methyl Mesoporphyrin by Ferrochelatase: Implications for the Catalytic Reaction Mechanism. Journal of Molecular Biology, 2005, 352, 1081-1090.	4.2	36
17	Design, synthesis and evaluation of potent and selective inhibitors of mono-(ADP-ribosyl)transferases PARP10 and PARP14. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2050-2054.	2.2	34
18	Crystal Structure of the ATPase Domain of the Human AAA+ Protein Paraplegin/SPG7. PLoS ONE, 2009, 4, e6975.	2.5	30

#	Article	IF	Citations
19	Cloning, expression, characterisation and three-dimensional structure determination ofCaenorhabditis elegansspermidine synthase. FEBS Letters, 2005, 579, 6037-6043.	2.8	25
20	Crystal Structure of Human ADP-ribose Transferase ARTD15/PARP16 Reveals a Novel Putative Regulatory Domain. Journal of Biological Chemistry, 2012, 287, 24077-24081.	3.4	23
21	Design and synthesis of potent inhibitors of the mono(ADP-ribosyl)transferase, PARP14. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2907-2911.	2.2	23
22	Bacterial ferrochelatase turns human: Tyr13 determines the apparent metal specificity of Bacillus subtilis ferrochelatase. Journal of Biological Inorganic Chemistry, 2011, 16, 235-242.	2.6	14
23	Sister Chromatid Cohesion Establishment Factor ESCO1 Operates by Substrate-Assisted Catalysis. Structure, 2016, 24, 789-796.	3.3	14
24	Small Molecule Microarray Based Discovery of PARP14 Inhibitors. Angewandte Chemie, 2017, 129, 254-259.	2.0	4