

Tobias Karlberg

List of Publications by Year in descending order

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24
papers

1,823
citations

331670

21
h-index

610901

24
g-index

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all docs

25
docs citations

25
times ranked

2490
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, synthesis and evaluation of potent and selective inhibitors of mono-(ADP-ribosyl)transferases PARP10 and PARP14. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2050-2054.	2.2	34
2	Design and synthesis of potent inhibitors of the mono(ADP-ribosyl)transferase, PARP14. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2907-2911.	2.2	23
3	Structural Basis for Potency and Promiscuity in Poly(ADP-ribose) Polymerase (PARP) and Tankyrase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1262-1271.	6.4	262
4	Small Molecule Microarray Based Discovery of PARP14 Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 248-253.	13.8	38
5	Small Molecule Microarray Based Discovery of PARP14 Inhibitors. <i>Angewandte Chemie</i> , 2017, 129, 254-259.	2.0	4
6	Sister Chromatid Cohesion Establishment Factor ESCO1 Operates by Substrate-Assisted Catalysis. <i>Structure</i> , 2016, 24, 789-796.	3.3	14
7	Towards small molecule inhibitors of mono-ADP-ribosyltransferases. <i>European Journal of Medicinal Chemistry</i> , 2015, 95, 546-551.	5.5	46
8	Structural Basis for Lack of ADP-ribosyltransferase Activity in Poly(ADP-ribose) Polymerase-13/Zinc Finger Antiviral Protein. <i>Journal of Biological Chemistry</i> , 2015, 290, 7336-7344.	3.4	70
9	Structural biology of the writers, readers, and erasers in mono- and poly(ADP-ribose) mediated signaling. <i>Molecular Aspects of Medicine</i> , 2013, 34, 1088-1108.	6.4	58
10	Family-wide chemical profiling and structural analysis of PARP and tankyrase inhibitors. <i>Nature Biotechnology</i> , 2012, 30, 283-288.	17.5	410
11	Crystal Structure of Human ADP-ribose Transferase ARTD15/PARP16 Reveals a Novel Putative Regulatory Domain. <i>Journal of Biological Chemistry</i> , 2012, 287, 24077-24081.	3.4	23
12	Discovery of Ligands for ADP-Ribosyltransferases via Docking-Based Virtual Screening. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7706-7718.	6.4	37
13	Bacterial ferrochelatase turns human: Tyr13 determines the apparent metal specificity of <i>Bacillus subtilis</i> ferrochelatase. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 235-242.	2.6	14
14	Structural Basis for the Interaction between Tankyrase-2 and a Potent Wnt-Signaling Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5352-5355.	6.4	110
15	Crystal Structure of the Catalytic Domain of Human PARP2 in Complex with PARP Inhibitor ABT-888. <i>Biochemistry</i> , 2010, 49, 1056-1058.	2.5	72
16	Structural Basis for the Inhibition Mechanism of Human Cystathionine β -Lyase, an Enzyme Responsible for the Production of H ₂ S. <i>Journal of Biological Chemistry</i> , 2009, 284, 3076-3085.	3.4	166
17	Structural Basis for Inhibitor Specificity in Human Poly(ADP-ribose) Polymerase-3. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3108-3111.	6.4	88
18	Crystal Structure of the ATPase Domain of the Human AAA+ Protein Paraplegin/SPG7. <i>PLoS ONE</i> , 2009, 4, e6975.	2.5	30

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19	Porphyrin Binding and Distortion and Substrate Specificity in the Ferrochelatase Reaction: The Role of Active Site Residues. <i>Journal of Molecular Biology</i> , 2008, 378, 1074-1083.	4.2	62
20	Amino Acid Residues His183 and Glu264 in <i>Bacillus subtilis</i> Ferrochelatase Direct and Facilitate the Insertion of Metal Ion into Protoporphyrin IX. <i>Biochemistry</i> , 2007, 46, 87-94.	2.5	60
21	The Structures of Frataxin Oligomers Reveal the Mechanism for the Delivery and Detoxification of Iron. <i>Structure</i> , 2006, 14, 1535-1546.	3.3	78
22	Metallation of the Transition-state Inhibitor N-methyl Mesoporphyrin by Ferrochelatase: Implications for the Catalytic Reaction Mechanism. <i>Journal of Molecular Biology</i> , 2005, 352, 1081-1090.	4.2	36
23	Cloning, expression, characterisation and three-dimensional structure determination of <i>Caenorhabditis elegans</i> spermidine synthase. <i>FEBS Letters</i> , 2005, 579, 6037-6043.	2.8	25
24	Metal Binding to <i>Saccharomyces cerevisiae</i> Ferrochelatase. <i>Biochemistry</i> , 2002, 41, 13499-13506.	2.5	61