

Wolfgang Wende

List of Publications by Year in descending order

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29
papers

1,461
citations

430843

18
h-index

477281

29
g-index

31
all docs

31
docs citations

31
times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	Type II restriction endonucleases – a historical perspective and more. <i>Nucleic Acids Research</i> , 2014, 42, 7489-7527.	14.5	225
2	STED nanoscopy combined with optical tweezers reveals protein dynamics on densely covered DNA. <i>Nature Methods</i> , 2013, 10, 910-916.	19.0	203
3	Sliding and jumping of single EcoRV restriction enzymes on non-cognate DNA. <i>Nucleic Acids Research</i> , 2008, 36, 4118-4127.	14.5	196
4	Controlling the enzymatic activity of a restriction enzyme by light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1361-1366.	7.1	163
5	Plasmodium falciparum glutathione S-transferase-Structural and mechanistic studies on ligand binding and enzyme inhibition. <i>Protein Science</i> , 2006, 15, 281-289.	7.6	67
6	In vivo genome editing as a potential treatment strategy for inherited retinal dystrophies. <i>Progress in Retinal and Eye Research</i> , 2017, 56, 1-18.	15.5	62
7	A novel zinc-finger nuclease platform with a sequence-specific cleavage module. <i>Nucleic Acids Research</i> , 2012, 40, 2623-2638.	14.5	51
8	Developing a programmed restriction endonuclease for highly specific DNA cleavage. <i>Nucleic Acids Research</i> , 2005, 33, 7039-7047.	14.5	49
9	Creating highly specific nucleases by fusion of active restriction endonucleases and catalytically inactive homing endonucleases. <i>Nucleic Acids Research</i> , 2012, 40, 847-860.	14.5	40
10	Chimeras of the Homing Endonuclease PI-SceI and the Homologous Candida tropicalis Intein: A Study to Explore the Possibility of Exchanging DNA-Binding Modules to Obtain Highly Specific Endonucleases with Altered Specificity. <i>ChemBioChem</i> , 2004, 5, 206-213.	2.6	38
11	From Monomeric to Homodimeric Endonucleases and Back: Engineering Novel Specificity of LAGLIDADG Enzymes. <i>Journal of Molecular Biology</i> , 2006, 361, 744-754.	4.2	38
12	The protein splicing domain of the homing endonuclease PI-sceI is responsible for specific DNA binding. <i>Nucleic Acids Research</i> , 1998, 26, 1857-1862.	14.5	36
13	Protein engineering of the restriction endonuclease EcoRV. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1994, 1219, 73-80.	2.4	31
14	Site- and strand-specific nicking of DNA by fusion proteins derived from MutH and I-SceI or TALE repeats. <i>Nucleic Acids Research</i> , 2013, 41, e83-e83.	14.5	31
15	The rotation-coupled sliding of EcoRV. <i>Nucleic Acids Research</i> , 2012, 40, 4064-4070.	14.5	30
16	Mechanism and Regulation of Co-transcriptional mRNP Assembly and Nuclear mRNA Export. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1203, 1-31.	1.6	27
17	Identification of Asp218 and Asp326 as the Principal Mg ²⁺ -Binding Ligands of the Homing Endonuclease PI-SceI. <i>Biochemistry</i> , 2000, 39, 15895-15900.	2.5	23
18	TALE-PvuII Fusion Proteins – Novel Tools for Gene Targeting. <i>PLoS ONE</i> , 2013, 8, e82539.	2.5	20

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19	Restriction Endonuclease SsoII with Photoregulated Activity – a “Molecular Gate” Approach. <i>Bioconjugate Chemistry</i> , 2011, 22, 1366-1373.	3.6	18
20	Generation of Novel Nucleases with Extended Specificity by Rational and Combinatorial Strategies. <i>ChemBioChem</i> , 2011, 12, 1495-1500.	2.6	16
21	The Flavobacterium okeanokoites adenine-N6-specific DNA-methyltransferase M.FokI is a tandem enzyme of two independent domains with very different kinetic properties. <i>FEBS Journal</i> , 1998, 251, 899-906.	0.2	14
22	Photocaged Variants of the MunI and PvuII Restriction Enzymes. <i>Biochemistry</i> , 2011, 50, 2800-2807.	2.5	13
23	Development of a Reporter System to Explore MMEJ in the Context of Replacing Large Genomic Fragments. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 407-415.	5.1	13
24	Novel missense mutation in the EDA gene in a family affected by oligodontia. <i>Journal of Orofacial Orthopedics</i> , 2016, 77, 31-38.	1.3	12
25	The Production and Characterization of Artificial Heterodimers of the Restriction Endonuclease EcoRV. <i>Biological Chemistry Hoppe-Seyler</i> , 1996, 377, 625-632.	1.4	11
26	Peculiarities of the interaction of the restriction endonuclease BspD6I with DNA containing its recognition site. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1072-1082.	2.3	6
27	Redesigning the single-chain variant of the restriction endonuclease PvuII by circular permutation. <i>FEBS Letters</i> , 2012, 586, 1736-1741.	2.8	1
28	Biochemical and molecular characterization of a restriction endonuclease Tvu2HI from <i>Thermoactinomyces vulgaris</i> 2H and study of its R-M system. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3105-3113.	7.5	1
29	STED Nanoscopy Combined with Optical Tweezers Reveals Spatial Dynamics of Proteins on Densely Covered DNA. <i>Biophysical Journal</i> , 2013, 104, 210a-211a.	0.5	0