Heidi Erlandsen

List of Publications by Year
in descending order

24 papers	1,998 citations	361413 20 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	2029 citing authors

#	Article	IF	Citations
1	A Specific IFIH1 Gain-of-Function Mutation Causes Singleton-Merten Syndrome. American Journal of Human Genetics, 2015, 96, 275-282.	6.2	188
2	The metabolic and molecular bases of tetrahydrobiopterin-responsive phenylalanine hydroxylase deficiency. Molecular Genetics and Metabolism, 2004, 82, 101-111.	1.1	173
3	Three-Dimensional Structure of Human Tryptophan Hydroxylase and Its Implications for the Biosynthesis of the Neurotransmitters Serotonin and Melatonin[,]. Biochemistry, 2002, 41, 12569-12574.	2.5	164
4	Crystal structure of the catalytic domain of human phenylalanine hydroxylase reveals the structural basis for phenylketonuria. Nature Structural Biology, 1997, 4, 995-1000.	9.7	162
5	From The Cover: Correction of kinetic and stability defects by tetrahydrobiopterin in phenylketonuria patients with certain phenylalanine hydroxylase mutations. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16903-16908.	7.1	156
6	Structure of Tetrameric Human Phenylalanine Hydroxylase and Its Implications for Phenylketonuria. Journal of Biological Chemistry, 1998, 273, 16962-16967.	3.4	137
7	The Structural Basis of Phenylketonuria. Molecular Genetics and Metabolism, 1999, 68, 103-125.	1.1	132
8	PAHdb 2003: What a locus-specific knowledgebase can do. Human Mutation, 2003, 21, 333-344.	2.5	124
9	Mechanisms underlying responsiveness to tetrahydrobiopterin in mild phenylketonuria mutations. Human Mutation, 2004, 24, 388-399.	2.5	109
10	Crystal Structure and Site-Specific Mutagenesis of Pterin-Bound Human Phenylalanine Hydroxylase[,]. Biochemistry, 2000, 39, 2208-2217.	2.5	106
11	Structural Comparison of Bacterial and Human Iron-dependent Phenylalanine Hydroxylases: Similar Fold, Different Stability and Reaction Rates. Journal of Molecular Biology, 2002, 320, 645-661.	4.2	68
12	Crystallographic Analysis of the Human Phenylalanine Hydroxylase Catalytic Domain with Bound Catechol Inhibitors at 2.0 Ã... Resolutionâ€,â€¡. Biochemistry, 1998, 37, 15638-15646.	2.5	63
13	The highly conserved domain of unknown function 1792 has a distinct glycosyltransferase fold. Nature Communications, 2014, 5, 4339.	12.8	61
14	HEPN: a common domain in bacterial drug resistance and human neurodegenerative proteins. Trends in Biochemical Sciences, 2003, 28, 224-226.	7.5	59
15	Biopterin responsive phenylalanine hydroxylase deficiency. Genetics in Medicine, 2004, 6, 27-32.	2.4	56
16	Trends in Enzyme Therapy for Phenylketonuria. Molecular Therapy, 2004, 10, 220-224.	8.2	56
17	Combining structural genomics and enzymology: completing the picture in metabolic pathways and enzyme active sites. Current Opinion in Structural Biology, 2000, 10, 719-730.	5.7	50
18	Structural Studies on Phenylalanine Hydroxylase and Implications Toward Understanding and Treating Phenylketonuria. Pediatrics, 2003, 112, 1557-1565.	2.1	40

#	Article	IF	Citations
19	Structural studies on phenylalanine hydroxylase and implications toward understanding and treating phenylketonuria. Pediatrics, 2003, 112, 1557-65.	2.1	32
20	Structural and Functional Analysis of a New Subfamily of Glycosyltransferases Required for Glycosylation of Serine-rich Streptococcal Adhesins. Journal of Biological Chemistry, 2011, 286, 27048-27057.	3.4	26
21	Crystallization and preliminary diffraction analysis of a truncated homodimer of human phenylalanine hydroxylase. FEBS Letters, 1997, 406, 171-174.	2.8	18
22	Pleiotrophin Expression during Odontogenesis. Journal of Histochemistry and Cytochemistry, 2012, 60, 366-375.	2.5	10
23	Crystal structure of an HEPN domain protein (TM0613) from Thermotoga maritima at 1.75 Ã... resolution. Proteins: Structure, Function and Bioinformatics, 2004, 54, 806-809.	2.6	7
24	Regulatory properties of tetrahydrobiopterin cofactor bound at the active site of phenylalanine hydroxylase. Pteridines, 2000, 11, 34-36.	0.5	1