

# Heidi Erlandsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11788826/publications.pdf>

Version: 2024-02-01

24  
papers

1,998  
citations

361045

20  
h-index

610482

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. <i>American Journal of Human Genetics</i> , 2015, 96, 275-282.	2.6	188
2	The metabolic and molecular bases of tetrahydrobiopterin-responsive phenylalanine hydroxylase deficiency. <i>Molecular Genetics and Metabolism</i> , 2004, 82, 101-111.	0.5	173
3	Three-Dimensional Structure of Human Tryptophan Hydroxylase and Its Implications for the Biosynthesis of the Neurotransmitters Serotonin and Melatonin. <i>Biochemistry</i> , 2002, 41, 12569-12574.	1.2	164
4	Crystal structure of the catalytic domain of human phenylalanine hydroxylase reveals the structural basis for phenylketonuria. <i>Nature Structural Biology</i> , 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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16903-16908.	3.3	156
6	Structure of Tetrameric Human Phenylalanine Hydroxylase and Its Implications for Phenylketonuria. <i>Journal of Biological Chemistry</i> , 1998, 273, 16962-16967.	1.6	137
7	The Structural Basis of Phenylketonuria. <i>Molecular Genetics and Metabolism</i> , 1999, 68, 103-125.	0.5	132
8	PAHdb 2003: What a locus-specific knowledgebase can do. <i>Human Mutation</i> , 2003, 21, 333-344.	1.1	124
9	Mechanisms underlying responsiveness to tetrahydrobiopterin in mild phenylketonuria mutations. <i>Human Mutation</i> , 2004, 24, 388-399.	1.1	109
10	Crystal Structure and Site-Specific Mutagenesis of Pterin-Bound Human Phenylalanine Hydroxylase. <i>Biochemistry</i> , 2000, 39, 2208-2217.	1.2	106
11	Structural Comparison of Bacterial and Human Iron-dependent Phenylalanine Hydroxylases: Similar Fold, Different Stability and Reaction Rates. <i>Journal of Molecular Biology</i> , 2002, 320, 645-661.	2.0	68
12	Crystallographic Analysis of the Human Phenylalanine Hydroxylase Catalytic Domain with Bound Catechol Inhibitors at 2.0 Å Resolution. <i>Biochemistry</i> , 1998, 37, 15638-15646.	1.2	63
13	The highly conserved domain of unknown function 1792 has a distinct glycosyltransferase fold. <i>Nature Communications</i> , 2014, 5, 4339.	5.8	61
14	HEPN: a common domain in bacterial drug resistance and human neurodegenerative proteins. <i>Trends in Biochemical Sciences</i> , 2003, 28, 224-226.	3.7	59
15	Biopterin responsive phenylalanine hydroxylase deficiency. <i>Genetics in Medicine</i> , 2004, 6, 27-32.	1.1	56
16	Trends in Enzyme Therapy for Phenylketonuria. <i>Molecular Therapy</i> , 2004, 10, 220-224.	3.7	56
17	Combining structural genomics and enzymology: completing the picture in metabolic pathways and enzyme active sites. <i>Current Opinion in Structural Biology</i> , 2000, 10, 719-730.	2.6	50
18	Structural Studies on Phenylalanine Hydroxylase and Implications Toward Understanding and Treating Phenylketonuria. <i>Pediatrics</i> , 2003, 112, 1557-1565.	1.0	40

#	ARTICLE	IF	CITATIONS
19	Structural studies on phenylalanine hydroxylase and implications toward understanding and treating phenylketonuria. <i>Pediatrics</i> , 2003, 112, 1557-65.	1.0	32
20	Structural and Functional Analysis of a New Subfamily of Glycosyltransferases Required for Glycosylation of Serine-rich Streptococcal Adhesins. <i>Journal of Biological Chemistry</i> , 2011, 286, 27048-27057.	1.6	26
21	Crystallization and preliminary diffraction analysis of a truncated homodimer of human phenylalanine hydroxylase. <i>FEBS Letters</i> , 1997, 406, 171-174.	1.3	18
22	Pleiotrophin Expression during Odontogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 366-375.	1.3	10
23	Crystal structure of an HEPN domain protein (TM0613) from <i>Thermotoga maritima</i> at 1.75 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 54, 806-809.	1.5	7
24	Regulatory properties of tetrahydrobiopterin cofactor bound at the active site of phenylalanine hydroxylase. <i>Pteridines</i> , 2000, 11, 34-36.	0.5	1