

Eric B Fauman

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

6,590
citations

147566

31
h-index

253896

43
g-index

58
all docs

58
docs citations

58
times ranked

10404
citing authors

#	ARTICLE	IF	CITATIONS
1	An atlas of genetic influences on human blood metabolites. <i>Nature Genetics</i> , 2014, 46, 543-550.	9.4	1,084
2	Pharmacology and mechanism of action of pregabalin: The calcium channel $\alpha_2\delta$ subunit as a target for antiepileptic drug discovery. <i>Epilepsy Research</i> , 2007, 73, 137-150.	0.8	492
3	Crystal structure of <i>Yersinia</i> protein tyrosine phosphatase at 2.5 Å... and the complex with tungstate. <i>Nature</i> , 1994, 370, 571-575.	13.7	423
4	Biomarkers for Type 2 Diabetes and Impaired Fasting Glucose Using a Nontargeted Metabolomics Approach. <i>Diabetes</i> , 2013, 62, 4270-4276.	0.3	356
5	Structure and function of the protein tyrosine phosphatases. <i>Trends in Biochemical Sciences</i> , 1996, 21, 413-417.	3.7	342
6	Genomic and drug target evaluation of 90 cardiovascular proteins in 30,931 individuals. <i>Nature Metabolism</i> , 2020, 2, 1135-1148.	5.1	327
7	Crystal Structure of the Catalytic Domain of the Human Cell Cycle Control Phosphatase, Cdc25A. <i>Cell</i> , 1998, 93, 617-625.	13.5	265
8	Structure, multiple site binding, and segmental accommodation in thymidylate synthase on binding dUMP and an anti-folate. <i>Biochemistry</i> , 1990, 29, 6964-6977.	1.2	262
9	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. <i>Nature Genetics</i> , 2017, 49, 1113-1119.	9.4	260
10	RNA Methylation under Heat Shock Control. <i>Molecular Cell</i> , 2000, 6, 349-360.	4.5	228
11	An open approach to systematically prioritize causal variants and genes at all published human GWAS trait-associated loci. <i>Nature Genetics</i> , 2021, 53, 1527-1533.	9.4	208
12	Mapping of 79 loci for 83 plasma protein biomarkers in cardiovascular disease. <i>PLoS Genetics</i> , 2017, 13, e1006706.	1.5	194
13	The Cys(X)5Arg Catalytic Motif in Phosphoester Hydrolysis. <i>Biochemistry</i> , 1994, 33, 15266-15270.	1.2	179
14	Structure-based druggability assessment—identifying suitable targets for small molecule therapeutics. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 463-468.	2.8	160
15	Plastic adaptation toward mutations in proteins: Structural comparison of thymidylate synthases. <i>Proteins: Structure, Function and Bioinformatics</i> , 1990, 8, 315-333.	1.5	154
16	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. <i>Diabetes</i> , 2018, 67, 1414-1427.	0.3	136
17	A cross-platform approach identifies genetic regulators of human metabolism and health. <i>Nature Genetics</i> , 2021, 53, 54-64.	9.4	117
18	A ligand-induced conformational change in the <i>Yersinia</i> protein tyrosine phosphatase. <i>Protein Science</i> , 1995, 4, 1904-1913.	3.1	116

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19	The X-ray Crystal Structures of Yersinia Tyrosine Phosphatase with Bound Tungstate and Nitrate. <i>Journal of Biological Chemistry</i> , 1996, 271, 18780-18788.	1.6	106
20	The Genetic Landscape of Renal Complications in Type 1 Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 557-574.	3.0	101
21	Effector membrane translocation biosensors reveal G protein and $\hat{1}^2$ arrestin coupling profiles of 100 therapeutically relevant GPCRs. <i>ELife</i> , 2022, 11, .	2.8	101
22	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020, 52, 1314-1332.	9.4	91
23	ProGeM: a framework for the prioritization of candidate causal genes at molecular quantitative trait loci. <i>Nucleic Acids Research</i> , 2019, 47, e3-e3.	6.5	90
24	Refined Structures of Substrate-bound and Phosphate-bound Thymidylate Synthase from <i>Lactobacillus casei</i> . <i>Journal of Molecular Biology</i> , 1993, 232, 1101-1116.	2.0	85
25	Water-mediated substrate/product discrimination: The product complex of thymidylate synthase at 1.83 Å. <i>Biochemistry</i> , 1994, 33, 1502-1511.	1.2	74
26	Identification of a Novel Mitogen-Activated Protein Kinase Kinase Activation Domain Recognized by the Inhibitor PD 184352. <i>Molecular and Cellular Biology</i> , 2002, 22, 7593-7602.	1.1	64
27	Genome-wide association studies of metabolites in Finnish men identify disease-relevant loci. <i>Nature Communications</i> , 2022, 13, 1644.	5.8	63
28	An Unbiased Lipid Phenotyping Approach To Study the Genetic Determinants of Lipids and Their Association with Coronary Heart Disease Risk Factors. <i>Journal of Proteome Research</i> , 2019, 18, 2397-2410.	1.8	55
29	Characterising a healthy adult with a rare HAO1 knockout to support a therapeutic strategy for primary hyperoxaluria. <i>ELife</i> , 2020, 9, .	2.8	45
30	Significance of structural changes in proteins: Expected errors in refined protein structures. <i>Protein Science</i> , 1995, 4, 2392-2404.	3.1	43
31	1.59 Å... structure of trypsin at 120 K: Comparison of low temperature and room temperature structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 171-187.	1.5	39
32	GWAS of self-reported mosquito bite size, itch intensity and attractiveness to mosquitoes implicates immune-related predisposition loci. <i>Human Molecular Genetics</i> , 2017, 26, 1391-1406.	1.4	32
33	An effector index to predict target genes at GWAS loci. <i>Human Genetics</i> , 2022, 141, 1431-1447.	1.8	28
34	Insights into genetic variants associated with NASH-fibrosis from metabolite profiling. <i>Human Molecular Genetics</i> , 2020, 29, 3451-3463.	1.4	27
35	Tracking conformational states in allosteric transitions of phosphorylase. <i>Biochemistry</i> , 1992, 31, 11297-11304.	1.2	25
36	Genome-wide analysis of blood lipid metabolites in over 5000 South Asians reveals biological insights at cardiometabolic disease loci. <i>BMC Medicine</i> , 2021, 19, 232.	2.3	25

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37	An optimal variant to gene distance window derived from an empirical definition of cis and trans protein QTLs. BMC Bioinformatics, 2022, 23, 169.	1.2	22
38	Rational protein engineering in action: The first crystal structure of a phenylalanine tRNA synthetase from Staphylococcus haemolyticus. Journal of Structural Biology, 2008, 162, 152-169.	1.3	17
39	GeneTopics - interpretation of gene sets via literature-driven topic models. BMC Systems Biology, 2013, 7, S10.	3.0	10
40	Structural Bioinformatics in Drug Discovery. Methods of Biochemical Analysis, 2005, 44, 477-497.	0.2	9
41	Contribution of a salt bridge to binding affinity and dUMP orientation to catalytic rate: mutation of a substrate-binding arginine in thymidylate synthase. Protein Engineering, Design and Selection, 1996, 9, 69-75.	1.0	6
42	Predicting causal genes from psychiatric genome-wide association studies using high-level etiological knowledge. Molecular Psychiatry, 2022, 27, 3095-3106.	4.1	4
43	Current Techniques for Complex Phenotypes: GWAS of the Electrocardiogram. Trends in Genetics, 2020, 36, 897-899.	2.9	3
44	Large-scale profiling of physiologically relevant naturally occurring rare GPCR variants using the bioSensAll [®] technology. FASEB Journal, 2022, 36, .	0.2	0