Eric B Fauman

List of Publications by Year
in descending order

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44	6,590	147726	254106
papers	citations	31 h-index	43 g-index

58	58	58	10404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An atlas of genetic influences on human blood metabolites. Nature Genetics, 2014, 46, 543-550.	9.4	1,084
2	Pharmacology and mechanism of action of pregabalin: The calcium channel Î±2â€“Î´ (alpha2â€“delta) subunit as a target for antiepileptic drug discovery. Epilepsy Research, 2007, 73, 137-150.	0.8	492
3	Crystal structure of Yersinia protein tyrosine phosphatase at 2.5 Ã... and the complex with tungstate. Nature, 1994, 370, 571-575.	13.7	423
4	Biomarkers for Type 2 Diabetes and Impaired Fasting Glucose Using a Nontargeted Metabolomics Approach. Diabetes, 2013, 62, 4270-4276.	0.3	356
5	Structure and function of theprotein tyrosine phosphatases. Trends in Biochemical Sciences, 1996, 21, 413-417.	3.7	342
6	Genomic and drug target evaluation of 90 cardiovascular proteins in 30,931 individuals. Nature Metabolism, 2020, 2, 1135-1148.	5.1	327
7	Crystal Structure of the Catalytic Domain of the Human Cell Cycle Control Phosphatase, Cdc25A. Cell, 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. Biochemistry, 1990, 29, 6964-6977.	1.2	262
9	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. Nature Genetics, 2017, 49, 1113-1119.	9.4	260
10	RNA Methylation under Heat Shock Control. Molecular Cell, 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. Nature Genetics, 2021, 53, 1527-1533.	9.4	208
12	Mapping of 79 loci for 83 plasma protein biomarkers in cardiovascular disease. PLoS Genetics, 2017, 13, e1006706.	1.5	194
13	The Cys(X)5Arg Catalytic Motif in Phosphoester Hydrolysis. Biochemistry, 1994, 33, 15266-15270.	1.2	179
14	Structure-based druggability assessmentâ€”identifying suitable targets for small molecule therapeutics. Current Opinion in Chemical Biology, 2011, 15, 463-468.	2.8	160
15	Plastic adaptation toward mutations in proteins: Structural comparison of thymidylate synthases. Proteins: Structure, Function and Bioinformatics, 1990, 8, 315-333.	1.5	154
16	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. Diabetes, 2018, 67, 1414-1427.	0.3	136
17	A cross-platform approach identifies genetic regulators of human metabolism and health. Nature Genetics, 2021, 53, 54-64.	9.4	117
18	A ligand-induced conformational change in theyersiniaprotein tyrosine phosphatase. Protein Science, 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. Journal of Biological Chemistry, 1996, 271, 18780-18788.	1.6	106
20	The Genetic Landscape of Renal Complications in Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2017, 28, 557-574.	3.0	101
21	Effector membrane translocation biosensors reveal G protein and Î²arrestin coupling profiles of 100 therapeutically relevant GPCRs. ELife, 2022, 11, .	2.8	101
22	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. Nature Genetics, 2020, 52, 1314-1332.	9.4	91
23	ProGeM: a framework for the prioritization of candidate causal genes at molecular quantitative trait loci. Nucleic Acids Research, 2019, 47, e3-e3.	6.5	90
24	Refined Structures of Substrate-bound and Phosphate-bound Thymidylate Synthase from Lactobacillus casei. Journal of Molecular Biology, 1993, 232, 1101-1116.	2.0	85
25	Water-mediated substrate/product discrimination: The product complex of thymidylate synthase at 1.83 .ANG.. Biochemistry, 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. Molecular and Cellular Biology, 2002, 22, 7593-7602.	1.1	64
27	Genome-wide association studies of metabolites in Finnish men identify disease-relevant loci. Nature Communications, 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. Journal of Proteome Research, 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. ELife, 2020, 9, .	2.8	45
30	Significance of structural changes in proteins: Expected errors in refined protein structures. Protein Science, 1995, 4, 2392-2404.	3.1	43
31	1.59 Ã... structure of trypsin at 120 K: Comparison of low temperature and room temperature structures. Proteins: Structure, Function and Bioinformatics, 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. Human Molecular Genetics, 2017, 26, 1391-1406.	1.4	32
33	An effector index to predict target genes at GWAS loci. Human Genetics, 2022, 141, 1431-1447.	1.8	28
34	Insights into genetic variants associated with NASH-fibrosis from metabolite profiling. Human Molecular Genetics, 2020, 29, 3451-3463.	1.4	27
35	Tracking conformational states in allosteric transitions of phosphorylase. Biochemistry, 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. BMC Medicine, 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	Largeâ€scale profiling of physiologically relevant naturally occurring rare GPCR variants using the bioSensAllÂ® technology. FASEB Journal, 2022, 36, .	0.2	0