

Charles Brenner

List of Publications by Year in descending order

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144
papers

12,979
citations

31976

53
h-index

24258

110
g-index

212
all docs

212
docs citations

212
times ranked

13781
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting NAD ⁺ blunts TLR4-induced type I IFN in control and systemic lupus erythematosus monocytes. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	27
2	Viral infection as an NAD ⁺ battlefield. <i>Nature Metabolism</i> , 2022, 4, 2-3.	11.9	13
3	Mechanisms to reduce the cytotoxicity of pharmacological nicotinamide concentrations in the pathogenic fungus <i>Candida albicans</i> . <i>FEBS Journal</i> , 2021, 288, 3478-3506.	4.7	3
4	Inhibition of CD38 and supplementation of nicotinamide riboside ameliorate lipopolysaccharide-induced microglial and astrocytic neuroinflammation by increasing NAD ⁺ . <i>Journal of Neurochemistry</i> , 2021, 158, 311-327.	3.9	35
5	HGG-33. EXPLOITING METABOLIC DEFECTS WITH NAMPT INHIBITORS IN DIPG. <i>Neuro-Oncology</i> , 2021, 23, i24-i24.	1.2	0
6	Systemic Treatment with Nicotinamide Riboside Is Protective in Two Mouse Models of Retinal Ganglion Cell Damage. <i>Pharmaceutics</i> , 2021, 13, 893.	4.5	17
7	Comment on "Nicotinamide mononucleotide increases muscle insulin sensitivity in prediabetic women". <i>Science</i> , 2021, 373, .	12.6	3
8	Coronavirus infection and PARP expression dysregulate the NAD metabolome: An actionable component of innate immunity. <i>Journal of Biological Chemistry</i> , 2020, 295, 17986-17996.	3.4	132
9	Deletion of CD38 and supplementation of NAD ⁺ attenuate axon degeneration in a mouse facial nerve axotomy model. <i>Scientific Reports</i> , 2020, 10, 17795.	3.3	11
10	Interleukin-8 drives CD38 to form NAADP from NADP ⁺ and NAAD in the endolysosomes to mobilize Ca ²⁺ and effect cell migration. <i>FASEB Journal</i> , 2020, 34, 12565-12576.	0.5	26
11	Fat mobilization without weight loss is a potentially rapid response to nicotinamide riboside in obese people: it's time to test with exercise. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 243-244.	4.7	6
12	Systemic Treatment With Nicotinamide Riboside Is Protective in a Mouse Model of Light-Induced Retinal Degeneration. , 2020, 61, 47.		13
13	Senescent cells promote tissue NAD ⁺ decline during ageing via the activation of CD38 ⁺ macrophages. <i>Nature Metabolism</i> , 2020, 2, 1265-1283.	11.9	206
14	NAD ⁺ Controls Circadian Reprogramming through PER2 Nuclear Translocation to Counter Aging. <i>Molecular Cell</i> , 2020, 78, 835-849.e7.	9.7	116
15	Niacin Cures Systemic NAD ⁺ Deficiency and Improves Muscle Performance in Adult-Onset Mitochondrial Myopathy. <i>Cell Metabolism</i> , 2020, 31, 1078-1090.e5.	16.2	154
16	Letting off electrons to cope with metabolic stress. <i>Nature Metabolism</i> , 2020, 2, 485-486.	11.9	3
17	Nicotinamide Adenine Dinucleotide Metabolome Is Functionally Depressed in Patients Undergoing Liver Transplantation for Alcohol-Related Liver Disease. <i>Hepatology Communications</i> , 2020, 4, 1183-1192.	4.3	18
18	Nicotinamide riboside supplementation corrects deficits in oxytocin, sociability and anxiety of CD157 mutants in a mouse model of autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 10035.	3.3	26

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19	Modulation of the cardiac sodium channel NaV1.5 peak and late currents by NAD ⁺ precursors. Journal of Molecular and Cellular Cardiology, 2020, 141, 70-81.	1.9	11
20	Targeting NAD ⁺ in translational research to relieve diseases and conditions of metabolic stress and ageing. Mechanisms of Ageing and Development, 2020, 186, 111208.	4.6	31
21	Why Is Mom Stressed: Homeorhesis as the Potential Problem and Nicotinamide Riboside as the Potential Solution. Journal of Experimental Neuroscience, 2019, 13, 117906951986967.	2.3	4
22	Nicotinamide Riboside Augments the Aged Human Skeletal Muscle NAD ⁺ Metabolome and Induces Transcriptomic and Anti-inflammatory Signatures. Cell Reports, 2019, 28, 1717-1728.e6.	6.4	253
23	Absence of evidence that Slc12a8 encodes a nicotinamide mononucleotide transporter. Nature Metabolism, 2019, 1, 660-661.	11.9	45
24	Safety and Metabolism of Long-term Administration of NIAGEN (Nicotinamide Riboside Chloride) in a Randomized, Double-Blind, Placebo-controlled Clinical Trial of Healthy Overweight Adults. Scientific Reports, 2019, 9, 9772.	3.3	127
25	PPM1D mutations silence NAPRT gene expression and confer NAMPT inhibitor sensitivity in glioma. Nature Communications, 2019, 10, 3790.	12.8	54
26	Maternal Nicotinamide Riboside Enhances Postpartum Weight Loss, Juvenile Offspring Development, and Neurogenesis of Adult Offspring. Cell Reports, 2019, 26, 969-983.e4.	6.4	49
27	Transcriptional Response of White Adipose Tissue to Withdrawal of Vitamin B3. Molecular Nutrition and Food Research, 2019, 63, 1801100.	3.3	7
28	Pterostilbene raises low density lipoprotein cholesterol in people. Clinical Nutrition, 2019, 38, 480-481.	5.0	7
29	Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. Cell Metabolism, 2018, 27, 667-676.e4.	16.2	242
30	Nicotinamide Riboside Preserves Cardiac Function in a Mouse Model of Dilated Cardiomyopathy. Circulation, 2018, 137, 2256-2273.	1.6	235
31	Targeted Microbiome Intervention by Microencapsulated Delayed-Release Niacin Beneficially Affects Insulin Sensitivity in Humans. Diabetes Care, 2018, 41, 398-405.	8.6	69
32	Pharmacological bypass of NAD ⁺ salvage pathway protects neurons from chemotherapy-induced degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10654-10659.	7.1	92
33	Emerging potential benefits of modulating NAD ⁺ metabolism in cardiovascular disease. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H839-H852.	3.2	47
34	A randomized placebo-controlled clinical trial of nicotinamide riboside in obese men: safety, insulin-sensitivity, and lipid-mobilizing effects. American Journal of Clinical Nutrition, 2018, 108, 343-353.	4.7	195
35	FHIT. , 2018, , 1713-1717.		0
36	Discovery and Characterization of Novel Nonsubstrate and Substrate NAMPT Inhibitors. Molecular Cancer Therapeutics, 2017, 16, 1236-1245.	4.1	24

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37	Nicotinamide riboside, a form of vitamin B3 and NAD+ precursor, relieves the nociceptive and aversive dimensions of paclitaxel-induced peripheral neuropathy in female rats. <i>Pain</i> , 2017, 158, 962-972.	4.2	64
38	Nicotinamide riboside, a form of vitamin B ₃ , protects against excitotoxicity-induced axonal degeneration. <i>FASEB Journal</i> , 2017, 31, 5440-5452.	0.5	70
39	Circadian Reprogramming in the Liver Identifies Metabolic Pathways of Aging. <i>Cell</i> , 2017, 170, 664-677.e11.	28.9	277
40	Nicotinamide riboside kinases display redundancy in mediating nicotinamide mononucleotide and nicotinamide riboside metabolism in skeletal muscle cells. <i>Molecular Metabolism</i> , 2017, 6, 819-832.	6.5	96
41	KRAS-driven miR-29b expression is required for tumor suppressor gene silencing. <i>Oncotarget</i> , 2017, 8, 74755-74766.	1.8	3
42	Nicotinamide Riboside Is a Major NAD+ Precursor Vitamin in Cow Milk. <i>Journal of Nutrition</i> , 2016, 146, 957-963.	2.9	90
43	NRK1 controls nicotinamide mononucleotide and nicotinamide riboside metabolism in mammalian cells. <i>Nature Communications</i> , 2016, 7, 13103.	12.8	261
44	Nicotinamide Riboside Opposes Type 2 Diabetes and Neuropathy in Mice. <i>Scientific Reports</i> , 2016, 6, 26933.	3.3	234
45	Nicotinamide riboside is uniquely and orally bioavailable in mice and humans. <i>Nature Communications</i> , 2016, 7, 12948.	12.8	498
46	Biochemistry and Molecular Biology Education in a Transforming Academy and a Molecular World. <i>FASEB Journal</i> , 2016, 30, 105.1.	0.5	0
47	NNMT: A Bad Actor in Fat Makes Good in Liver. <i>Cell Metabolism</i> , 2015, 22, 200-201.	16.2	39
48	Calorie Restriction-Mediated Replicative Lifespan Extension in Yeast Is Non-Cell Autonomous. <i>PLoS Biology</i> , 2015, 13, e1002048.	5.6	20
49	MCAT 2015 and the Academy: Undergraduate, Graduate and Health Professional Ramifications. <i>FASEB Journal</i> , 2015, 29, 240.3.	0.5	0
50	Mechanism of Nicotinamide Riboside as an Aid to Weight Loss. <i>FASEB Journal</i> , 2015, 29, 717.19.	0.5	0
51	RFTS-deleted DNMT1 enhances tumorigenicity with focal hypermethylation and global hypomethylation. <i>Cell Cycle</i> , 2014, 13, 3222-3231.	2.6	18
52	RGS6 suppresses Ras-induced cellular transformation by facilitating Tip60-mediated Dnmt1 degradation and promoting apoptosis. <i>Oncogene</i> , 2014, 33, 3604-3611.	5.9	41
53	A knockdown with smoke model reveals FHIT as a repressor of Heme oxygenase 1. <i>Cell Cycle</i> , 2014, 13, 2913-2930.	2.6	8
54	Boosting NAD to Spare Hearing. <i>Cell Metabolism</i> , 2014, 20, 926-927.	16.2	6

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55	Suppression of TET1-Dependent DNA Demethylation Is Essential for KRAS-Mediated Transformation. <i>Cell Reports</i> , 2014, 9, 1827-1840.	6.4	55
56	Targeting a fat-accumulation gene. <i>Nature</i> , 2014, 508, 194-195.	27.8	9
57	Quantification of Protein Copy Number in Yeast: The NAD ⁺ Metabolome. <i>PLoS ONE</i> , 2014, 9, e106496.	2.5	9
58	Rethinking Premedical and Health Professional Curricula in Light of MCAT 2015. <i>Journal of Chemical Education</i> , 2013, 90, 807-812.	2.3	11
59	Mitochondrial protein acetylation as a cell-intrinsic, evolutionary driver of fat storage: Chemical and metabolic logic of acetyl-lysine modifications. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013, 48, 561-574.	5.2	73
60	Changes in chemistry and biochemistry education: Creative responses to medical college admissions test revisions in the age of the genome. <i>Biochemistry and Molecular Biology Education</i> , 2013, 41, 1-4.	1.2	5
61	NAD as a Genotype-Specific Drug Target. <i>Chemistry and Biology</i> , 2013, 20, 1307-1308.	6.0	7
62	TARGETED, LCMS-BASED METABOLOMICS FOR QUANTITATIVE MEASUREMENT OF NAD ⁺ METABOLITES. <i>Computational and Structural Biotechnology Journal</i> , 2013, 4, e201301012.	4.1	152
63	Laccic Acid A Is a Direct, DNA-competitive Inhibitor of DNA Methyltransferase 1. <i>Journal of Biological Chemistry</i> , 2013, 288, 23858-23867.	3.4	54
64	Desperately Seeking Flexner. <i>Academic Medicine</i> , 2013, 88, 1405-1406.	1.6	4
65	An Ultrasensitive High Throughput Screen for DNA Methyltransferase 1-Targeted Molecular Probes. <i>PLoS ONE</i> , 2013, 8, e78752.	2.5	19
66	Novel synthetic route to the C-nucleoside, 2-deoxy benzamide riboside. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5204-5207.	2.2	6
67	The Replication Focus Targeting Sequence (RFTS) Domain Is a DNA-competitive Inhibitor of Dnmt1. <i>Journal of Biological Chemistry</i> , 2011, 286, 15344-15351.	3.4	108
68	On the Nonspecific Degradation of NAD ⁺ to Nicotinamide Riboside. <i>Journal of Biological Chemistry</i> , 2011, 286, 1e5.	3.4	3
69	Nrt1 and Tna1-Independent Export of NAD ⁺ Precursor Vitamins Promotes NAD ⁺ Homeostasis and Allows Engineering of Vitamin Production. <i>PLoS ONE</i> , 2011, 6, e19710.	2.5	33
70	NAD ⁺ metabolite levels as a function of vitamins and calorie restriction: evidence for different mechanisms of longevity. <i>BMC Chemical Biology</i> , 2010, 10, 2.	1.6	69
71	Identification of Isn1 and Sdt1 as glucose- and vitamin-regulated nicotinamide mononucleotide and nicotinic acid mononucleotide 5'-nucleotidases responsible for production of nicotinamide riboside and nicotinic acid riboside.. <i>Journal of Biological Chemistry</i> , 2010, 285, 3524.	3.4	0
72	5'-Nucleotidases and their new roles in NAD ⁺ and phosphate metabolism. <i>New Journal of Chemistry</i> , 2010, 34, 845.	2.8	35

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73	Metabolomics and Gene Discoveries Reveal Interrelationships between Glucose, Phosphate and NAD Metabolism. <i>FASEB Journal</i> , 2010, 24, .	0.5	0
74	Nicotinamide Riboside and Nicotinic Acid Riboside Salvage in Fungi and Mammals. <i>Journal of Biological Chemistry</i> , 2009, 284, 158-164.	3.4	77
75	Identification of Isn1 and Sdt1 as Glucose- and Vitamin-regulated Nicotinamide Mononucleotide and Nicotinic Acid Mononucleotide 5â€²-Nucleotidases Responsible for Production of Nicotinamide Riboside and Nicotinic Acid Riboside. <i>Journal of Biological Chemistry</i> , 2009, 284, 34861-34869.	3.4	51
76	Microbial NAD Metabolism: Lessons from Comparative Genomics. <i>Microbiology and Molecular Biology Reviews</i> , 2009, 73, 529-541.	6.6	192
77	Phosphateâ€­regulated phosphatases Phm8 and Sdt1 are essential for chronological lifespan in budding yeast. <i>FASEB Journal</i> , 2009, 23, 855.7.	0.5	0
78	FHA-RING ubiquitin ligases in cell division cycle control. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 3458-3466.	5.4	32
79	Nicotinic Acid, Nicotinamide, and Nicotinamide Riboside: A Molecular Evaluation of NAD ⁺ Precursor Vitamins in Human Nutrition. <i>Annual Review of Nutrition</i> , 2008, 28, 115-130.	10.1	550
80	A Tribute to Arthur Kornberg 1918â€­2007. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 2-17.	8.2	3
81	<i>Saccharomyces cerevisiae</i> YOR071C Encodes the High Affinity Nicotinamide Riboside Transporter Nrt1. <i>Journal of Biological Chemistry</i> , 2008, 283, 8075-8079.	3.4	69
82	Yeast Chfr homologs retard cell cycle at G1 and G2/M via Ubc4 and Ubc13/Mms2-dependent ubiquitination. <i>Cell Cycle</i> , 2008, 7, 96-105.	2.6	29
83	A Second GDP-I-galactose Phosphorylase in Arabidopsis en Route to Vitamin C. <i>Journal of Biological Chemistry</i> , 2008, 283, 18483-18492.	3.4	49
84	Nicotinamide Riboside Kinase Structures Reveal New Pathways to NAD ⁺ . <i>PLoS Biology</i> , 2007, 5, e263.	5.6	126
85	p53 Activation by Knockdown Technologies. <i>PLoS Genetics</i> , 2007, 3, e78.	3.5	893
86	Nicotinamide Riboside Promotes Sir2 Silencing and Extends Lifespan via Nrk and Urh1/Pnp1/Meu1 Pathways to NAD ⁺ . <i>Cell</i> , 2007, 129, 473-484.	28.9	351
87	Arabidopsis VTC2 Encodes a GDP-I-Galactose Phosphorylase, the Last Unknown Enzyme in the Smirnoff-Wheeler Pathway to Ascorbic Acid in Plants. <i>Journal of Biological Chemistry</i> , 2007, 282, 18879-18885.	3.4	164
88	NAD ⁺ metabolism in health and disease. <i>Trends in Biochemical Sciences</i> , 2007, 32, 12-19.	7.5	808
89	Discovery of two eukaryotic nicotinamide riboside salvage pathways: New nutritional approaches to promote Sir2 functions. <i>FASEB Journal</i> , 2007, 21, A158.	0.5	1
90	Hint2, A Mitochondrial Apoptotic Sensitizer Down-Regulated in Hepatocellular Carcinoma. <i>Gastroenterology</i> , 2006, 130, 2179-2188.	1.3	53

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91	Exploring the Mode-of-Action of Bioactive Compounds by Chemical-Genetic Profiling in Yeast. <i>Cell</i> , 2006, 126, 611-625.	28.9	447
92	Nonvisual Arrestin Oligomerization and Cellular Localization Are Regulated by Inositol Hexakisphosphate Binding. <i>Journal of Biological Chemistry</i> , 2006, 281, 9812-9823.	3.4	137
93	Synthetic Lethal and Biochemical Analyses of NAD and NADH Kinases in <i>Saccharomyces cerevisiae</i> Establish Separation of Cellular Functions*. <i>Journal of Biological Chemistry</i> , 2006, 281, 22439-22445.	3.4	51
94	Glutamine-dependent NAD ⁺ Synthetase. <i>Journal of Biological Chemistry</i> , 2006, 281, 33395-33402.	3.4	50
95	Evolution of NAD Biosynthetic Enzymes. <i>Structure</i> , 2005, 13, 1239-1240.	3.3	15
96	At the Precarious Cusp of Oncogenomics. , 2005, , 1-13.		0
97	Disease-associated Mutations Inactivate AMP-Lysine Hydrolase Activity of Aprataxin*. <i>Journal of Biological Chemistry</i> , 2005, 280, 20927-20931.	3.4	51
98	31P NMR and Genetic Analysis Establish hinT as the Only <i>Escherchia coli</i> Purine Nucleoside Phosphoramidase and as Essential for Growth under High Salt Conditions. <i>Journal of Biological Chemistry</i> , 2005, 280, 15356-15361.	3.4	48
99	p53 activation by knockdown technologies. <i>PLoS Genetics</i> , 2005, preprint, e78.	3.5	2
100	Altered specificity of Hint-W123Q supports a role for Hint inhibition by ASW in avian sex determination. <i>Physiological Genomics</i> , 2004, 20, 12-14.	2.3	26
101	Cdc123 and Checkpoint Forkhead Associated with RING Proteins Control the Cell Cycle by Controlling eIF2 ^β Abundance. <i>Journal of Biological Chemistry</i> , 2004, 279, 44656-44666.	3.4	44
102	Biochemical, Crystallographic, and Mutagenic Characterization of Hint, the AMP-Lysine Hydrolase, with Novel Substrates and Inhibitors. <i>Journal of Biological Chemistry</i> , 2004, 279, 18711-18716.	3.4	57
103	Chemical genomics in yeast. <i>Genome Biology</i> , 2004, 5, 240.	9.6	25
104	The ataxia-oculomotor apraxia 1 gene product has a role distinct from ATM and interacts with the DNA strand break repair proteins XRCC1 and XRCC4. <i>DNA Repair</i> , 2004, 3, 1493-1502.	2.8	176
105	Discoveries of Nicotinamide Riboside as a Nutrient and Conserved NRK Genes Establish a Preiss-Handler Independent Route to NAD ⁺ in Fungi and Humans. <i>Cell</i> , 2004, 117, 495-502.	28.9	585
106	Subtleties among subtilases. <i>EMBO Reports</i> , 2003, 4, 937-938.	4.5	2
107	Stereochemical Analysis of Diastereomeric 1,3-bis(Adenosine-5 ^α -O-phosphorothioyl)glycerols. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 797-799.	1.1	3
108	Feminizing chicks: a model for avian sex determination based on titration of Hint enzyme activity and the predicted structure of an Asw-Hint heterodimer. <i>Genome Biology</i> , 2003, 4, R18.	9.6	34

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109	Designed FHIT alleles establish that Fhit-induced apoptosis in cancer cells is limited by substrate binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1592-1597.	7.1	76
110	The Reported Human NADsyn2 Is Ammonia-dependent NAD Synthetase from a Pseudomonad. <i>Journal of Biological Chemistry</i> , 2003, 278, 33056-33059.	3.4	19
111	Coordinate Expression of NADPH-dependent Flavin Reductase, Fre-1, and Hint-related 7meGMP-directed Hydrolase, DCS-1. <i>Journal of Biological Chemistry</i> , 2003, 278, 39051-39058.	3.4	30
112	Eukaryotic NAD ⁺ Synthetase Qns1 Contains an Essential, Obligate Intramolecular Thiol Glutamine Amidotransferase Domain Related to Nitrilase. <i>Journal of Biological Chemistry</i> , 2003, 278, 33049-33055.	3.4	65
113	Adenosine Monophosphoramidase Activity of Hint and Hnt1 Supports Function of Kin28, Ccl1, and Tfb3. <i>Journal of Biological Chemistry</i> , 2002, 277, 10852-10860.	3.4	104
114	Scaffolding Functions of Arrestin-2 Revealed by Crystal Structure and Mutagenesis. <i>Biochemistry</i> , 2002, 41, 3321-3328.	2.5	186
115	Catalysis in the nitrilase superfamily. <i>Current Opinion in Structural Biology</i> , 2002, 12, 775-782.	5.7	196
116	Control of dinucleoside polyphosphates by the FHIT-homologous HNT2 gene, adenine biosynthesis and heat shock in <i>Saccharomyces cerevisiae</i> . <i>BMC Molecular Biology</i> , 2002, 3, 7.	3.0	8
117	Hint, Fhit, and GalT: Function, Structure, Evolution, and Mechanism of Three Branches of the Histidine Triad Superfamily of Nucleotide Hydrolases and Transferases. <i>Biochemistry</i> , 2002, 41, 9003-9014.	2.5	269
118	The nitrilase superfamily: classification, structure and function. <i>Genome Biology</i> , 2001, 2, reviews0001.1.	9.6	308
119	Analysis of fluorescently labeled substance P analogs: binding, imaging and receptor activation. , 2001, 1, 1.		26
120	Di-, tri- and tetra-5'-O-phosphorothioadenosyl substituted polyols as inhibitors of Fhit: Importance of the alpha-beta bridging oxygen and beta phosphorus replacement. <i>BMC Chemical Biology</i> , 2001, 1, 3.	1.6	13
121	Recent progress in the study of the intracellular functions of diadenosine polyphosphates. <i>Drug Development Research</i> , 2001, 52, 249-259.	2.9	34
122	Molecular cloning of lan4: a BCR/ABL-induced gene that encodes an outer membrane mitochondrial protein with GTP-binding activity. <i>Nucleic Acids Research</i> , 2001, 29, 1308-1316.	14.5	41
123	Crystal structure of the worm NitFhit Rosetta Stone protein reveals a Nit tetramer binding two Fhit dimers. <i>Current Biology</i> , 2000, 10, 907-917.	3.9	119
124	Condensing the RNA world. <i>Trends in Biochemical Sciences</i> , 2000, 25, 485.	7.5	1
125	Fitness and cancer in the mouse. <i>Trends in Genetics</i> , 2000, 16, 294.	6.7	0
126	Fhit-nucleotide Specificity Probed with Novel Fluorescent and Fluorogenic Substrates. <i>Journal of Biological Chemistry</i> , 2000, 275, 4555-4560.	3.4	70

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127	Yeast myosin light chain, Mlc1p, interacts with both IQGAP and Class II myosin to effect cytokinesis. <i>Journal of Cell Science</i> , 2000, 113, 4533-4543.	2.0	78
128	FHIT-Substrate Complexes: a New Paradigm in Reversible Protein Phosphorylation. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 144, 745-748.	1.6	1
129	The histidine triad superfamily of nucleotide-binding proteins. <i>Journal of Cellular Physiology</i> , 1999, 181, 179-187.	4.1	108
130	New Tripodal, "Supercharged" Analogues of Adenosine Nucleotides: Inhibitors for the Fhit Ap3A Hydrolase. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1244-1247.	13.8	16
131	Two Hydrolase Resistant Analogues of Diadenosine 5',5'''-P,P-Triphosphate for Studies with FHIT, The Human Fragile Histidine Triad Protein. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1998, 17, 301-308.	1.1	14
132	Genetic, biochemical, and crystallographic characterization of Fhit-substrate complexes as the active signaling form of Fhit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 5484-5489.	7.1	139
133	Quantitative assessment of enzyme specificity in vivo: P2 recognition by Kex2 protease defined in a genetic system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10384-10389.	7.1	53
134	Nitrilase and Fhit homologs are encoded as fusion proteins in <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 8744-8749.	7.1	80
135	Crystal structures of HINT demonstrate that histidine triad proteins are GalT-related nucleotide-binding proteins. <i>Nature Structural Biology</i> , 1997, 4, 231-238.	9.7	124
136	Arg21 is the Preferred Kexin Cleavage Site in Parathyroid-Hormone-Related Protein. <i>FEBS Journal</i> , 1995, 229, 91-98.	0.2	22
137	[11] Biochemical and genetic methods for analyzing specificity and activity of a precursor-processing enzyme: Yeast Kex2 protease, kexin. <i>Methods in Enzymology</i> , 1994, 244, 152-167.	1.0	28
138	One-step site-directed mutagenesis of the Kex2 protease oxyanion hole. <i>Current Biology</i> , 1993, 3, 498-506.	3.9	34
139	Structural and enzymatic characterization of a purified prohormone-processing enzyme: secreted, soluble Kex2 protease.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 922-926.	7.1	191
140	CDC33 encodes mRNA cap-binding protein eIF-4E of <i>Saccharomyces cerevisiae</i> .. <i>Molecular and Cellular Biology</i> , 1988, 8, 3556-3559.	2.3	143
141	The Role of G Proteins in Yeast Signal Transduction. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1988, 53, 567-575.	1.1	7
142	GPA1, a haploid-specific essential gene, encodes a yeast homolog of mammalian G protein which may be involved in mating factor signal transduction. <i>Cell</i> , 1987, 50, 1011-1019.	28.9	400
143	The histidine triad superfamily of nucleotide-binding proteins. , 0, .		2
144	Fhit. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	0