

# Herbert Weissbach

## List of Publications by Citations

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226  
papers

10,584  
citations

54  
h-index

93  
g-index

230  
ext. papers

11,104  
ext. citations

5.4  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
226	Association between lupus psychosis and anti-ribosomal P protein antibodies. <i>New England Journal of Medicine</i> , <b>1987</b> , 317, 265-71	59.2	484
225	High-quality life extension by the enzyme peptide methionine sulfoxide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 2748-53	11.5	379
224	The distribution of serotonin, 5-hydroxytryptophan decarboxylase, and monoamine oxidase in brain. <i>Journal of Neurochemistry</i> , <b>1957</b> , 1, 272-8	6	316
223	Purification and Properties of Hydroxyindole-O-methyl Transferase. <i>Journal of Biological Chemistry</i> , <b>1961</b> , 236, 211-213	5.4	312
222	THE ESTIMATION OF 5-HYDROXYTRYPTAMINE (SEROTONIN) IN BIOLOGICAL TISSUES. <i>Journal of Biological Chemistry</i> , <b>1955</b> , 215, 337-344	5.4	281
221	Biochemistry and physiological role of methionine sulfoxide residues in proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>1983</b> , 223, 271-81	4.1	270
220	Peptide methionine sulfoxide reductase: structure, mechanism of action, and biological function. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 397, 172-8	4.1	260
219	Methionine sulfoxide reductases: history and cellular role in protecting against oxidative damage. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2005</b> , 1703, 203-12	4	229
218	Biosynthesis of melatonin: enzymic conversion of serotonin to N-acetylserotonin. <i>Biochimica Et Biophysica Acta</i> , <b>1960</b> , 43, 352-3		220
217	Studies on the purification and properties of factor Tu from E. coli. <i>Archives of Biochemistry and Biophysics</i> , <b>1970</b> , 141, 26-37	4.1	210
216	A clinical, physiologic and biochemical study of patients with malignant carcinoid (argentaffinoma). <i>American Journal of Medicine</i> , <b>1956</b> , 20, 520-32	2.4	206
215	Radioactive assay for serine transhydroxymethylase. <i>Analytical Biochemistry</i> , <b>1965</b> , 13, 80-84	3.1	205
214	5-HYDROXYTRYPTOPHAN DECARBOXYLASE: PREPARATION AND PROPERTIES. <i>Journal of Biological Chemistry</i> , <b>1954</b> , 210, 139-148	5.4	175
213	Studies with reversible inhibitors of monoamine oxidase: Harmaline and related compounds. <i>Biochemical Pharmacology</i> , <b>1958</b> , 1, 160-165	6	154
212	Methionine sulfoxide reductase A protects neuronal cells against brief hypoxia/reoxygenation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 1159-64	11.5	136
211	Studies on the Terminal Reaction in the Biosynthesis of Methionine. <i>Journal of Biological Chemistry</i> , <b>1963</b> , 238, 3318-3324	5.4	129
210	Structure and mechanism of peptide methionine sulfoxide reductase, an "anti-oxidation" enzyme. <i>Biochemistry</i> , <b>2000</b> , 39, 13307-12	3.2	125

209	Oxidative regulation of large conductance calcium-activated potassium channels. <i>Journal of General Physiology</i> , <b>2001</b> , 117, 253-74	3.4	114
208	Biochemical findings relating to the action of serotonin. <i>Annals of the New York Academy of Sciences</i> , <b>1957</b> , 66, 602-8	6.5	114
207	N5-Methyltetrahydrofolate-Homocysteine Transmethylase. <i>Journal of Biological Chemistry</i> , <b>1967</b> , 242, 1502-1508	5.4	111
206	Free methionine-(R)-sulfoxide reductase from Escherichia coli reveals a new GAF domain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 9597-602	11.5	110
205	Elongation factor Tu and the aminoacyl-tRNA-EFTu-GTP complex. <i>Methods in Enzymology</i> , <b>1974</b> , 30, 219-327		110
204	Studies on the role of factor Ts in polypeptide synthesis. <i>Archives of Biochemistry and Biophysics</i> , <b>1970</b> , 137, 262-9	4.1	109
203	The outer membrane localization of the Neisseria gonorrhoeae MsrA/B is involved in survival against reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 10108-13	11.5	108
202	Biosynthesis of the Actinomycin Chromophore; Enzymatic Conversion of 4-Methyl-3-hydroxyanthranilic Acid to Actinocin. <i>Journal of Biological Chemistry</i> , <b>1962</b> , 237, 882-886	5.4	108
201	Formylation of guinea pig liver methionyl-sRNA. <i>Archives of Biochemistry and Biophysics</i> , <b>1967</b> , 120, 119-231		96
200	Purification and Properties of 5-Methyltetrahydropteroyltriglutamate-Homocysteine Transmethylase. <i>Journal of Biological Chemistry</i> , <b>1970</b> , 245, 390-401	5.4	95
199	Methionyl Soluble Ribonucleic Acid Transformylase. <i>Journal of Biological Chemistry</i> , <b>1967</b> , 242, 1522-1525	5.4	93
198	Molecular cloning and functional expression of a human peptide methionine sulfoxide reductase (hMsrA). <i>FEBS Letters</i> , <b>1999</b> , 456, 17-21	3.8	91
197	Interactions between the elongation factors: the displacement of GPD from the TU-GDP complex by factor Ts. <i>Biochemical and Biophysical Research Communications</i> , <b>1970</b> , 38, 1016-22	3.4	86
196	The mirrored methionine sulfoxide reductases of Neisseria gonorrhoeae pilB. <i>Nature Structural Biology</i> , <b>2002</b> , 9, 348-52		85
195	Peptide methionine sulfoxide reductase: biochemistry and physiological role. <i>Biopolymers</i> , <b>2000</b> , 55, 288-96	2.2	85
194	Further observations on patients with malignant carcinoid. <i>American Journal of Medicine</i> , <b>1957</b> , 23, 5-15	2.4	84
193	SOLUBLE MONOAMINE OXIDASE; ITS PROPERTIES AND ACTIONS ON SEROTONIN. <i>Journal of Biological Chemistry</i> , <b>1957</b> , 229, 953-963	5.4	84
192	The biochemistry of methionine sulfoxide residues in proteins. <i>Trends in Biochemical Sciences</i> , <b>1982</b> , 7, 137-139	10.3	77

191	The properties of an E. coli ribosomal protein required for the function of factor G. <i>Archives of Biochemistry and Biophysics</i> , <b>1972</b> , 148, 148-55	4.1	75
190	Reduction of N-acetyl methionine sulfoxide: a simple assay for peptide methionine sulfoxide reductase. <i>Analytical Biochemistry</i> , <b>1982</b> , 122, 291-4	3.1	71
189	Origin and evolution of the protein-repairing enzymes methionine sulphoxide reductases. <i>Biological Reviews</i> , <b>2008</b> , 83, 249-57	13.5	70
188	The interaction of transfer factor G, ribosomes, and guanosine nucleotides in the presence of fusidic acid. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 143, 286-96	4.1	67
187	Thionein can serve as a reducing agent for the methionine sulfoxide reductases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 8656-61	11.5	66
186	Regulation of the terminal reactions in methionine biosynthesis by vitamin B 12 and methionine. <i>Archives of Biochemistry and Biophysics</i> , <b>1972</b> , 150, 23-31	4.1	65
185	Methionine sulfoxide reductases B1, B2, and B3 are present in the human lens and confer oxidative stress resistance to lens cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 2107-12		64
184	Studies on the metabolism of norepinephrine, epinephrine and their o-methyl analogs by partially purified enzyme preparations. <i>Archives of Biochemistry and Biophysics</i> , <b>1958</b> , 77, 417-27	4.1	64
183	Enzymatic conversion of 5-tritiotryptophan to 4-tritio-5-hydroxytryptophan. <i>Biochemical and Biophysical Research Communications</i> , <b>1966</b> , 25, 504-513	3.4	64
182	Silencing of the methionine sulfoxide reductase A gene results in loss of mitochondrial membrane potential and increased ROS production in human lens cells. <i>Experimental Eye Research</i> , <b>2006</b> , 83, 1281-6	3.7	63
181	Escherichia coli B N5-methyltetrahydrofolate-homocysteine vitamin-B12 transmethylase: formation and photolability of a methylcobalamin enzyme. <i>Archives of Biochemistry and Biophysics</i> , <b>1968</b> , 123, 109-26	4.1	63
180	Purification of factor Ts: studies on the formation and stability of nucleotide complexes containing transfer factor Tu. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 147, 457-66	4.1	62
179	Role of GTP in protein synthesis: interaction of GTP with soluble transfer factors from E. coli. <i>Archives of Biochemistry and Biophysics</i> , <b>1968</b> , 128, 331-8	4.1	61
178	The purification of methionine sulfoxide reductase from Escherichia coli. <i>Analytical Biochemistry</i> , <b>1980</b> , 102, 393-8	3.1	58
177	Escherichia coli B N5-methyltetrahydrofolate-homocysteine methyltransferase: sequential formation of bound methylcobalamin with S-adenosyl-L-methionine and N5-methyltetrahydrofolate. <i>Archives of Biochemistry and Biophysics</i> , <b>1969</b> , 129, 728-44	4.1	58
176	Further studies on the interactions of elongation factor 1 from animal tissues. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 156, 267-75	4.1	58
175	Studies on the initiation of protein synthesis in animal tissues. <i>Biochemical and Biophysical Research Communications</i> , <b>1970</b> , 41, 78-84	3.4	57
174	GTP interaction with a protein synthesis initiation factor preparation from Escherichia coli. <i>Biochemical and Biophysical Research Communications</i> , <b>1967</b> , 28, 82-8	3.4	56

173	The interaction of guanosine 5Qdiphosphate, 2Q3Q-diphosphate with the bacterial elongation factor Tu. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 154, 675-82	4.1	54
172	A simplified reconstitution of mRNA-directed peptide synthesis: activity of the epsilon enhancer and an unnatural amino acid. <i>Analytical Biochemistry</i> , <b>2001</b> , 297, 60-70	3.1	53
171	The formation of a complex containing ribosomes, transfer factor G and A guanosine nucleotide. <i>Biochemical and Biophysical Research Communications</i> , <b>1969</b> , 34, 843-8	3.4	53
170	Studies on the ribosomal sites involved in factors Tu and G-dependent reactions. <i>Archives of Biochemistry and Biophysics</i> , <b>1972</b> , 149, 110-7	4.1	52
169	Escherichia coli B N5-methyltetrahydrofolate-homocysteine cobalamin methyltransferase: activation with S-adenosyl-L-methionine and the mechanism for methyl group transfer. <i>Archives of Biochemistry and Biophysics</i> , <b>1969</b> , 129, 745-66	4.1	51
168	5-Hydroxytryptophan formation and tryptophan metabolism in <i>Chromobacterium violaceum</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1956</b> , 63, 122-30	4.1	51
167	Effect of cardiac glycosides and inorganic ions on binding of serotonin by platelets. <i>Nature</i> , <b>1960</b> , 185, 99-100	50.4	51
166	Reduction of Sulindac to its active metabolite, sulindac sulfide: assay and role of the methionine sulfoxide reductase system. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 312, 1005-10	3.4	50
165	Regulation of voltage-dependent K <sup>+</sup> channels by methionine oxidation: effect of nitric oxide and vitamin C. <i>FEBS Letters</i> , <b>1999</b> , 442, 48-52	3.8	50
164	Purification and properties of rabbit reticulocyte elongation factor 1. <i>Archives of Biochemistry and Biophysics</i> , <b>1976</b> , 174, 603-12	4.1	50
163	Effect of L-methionine and vitamin B 12 on methionine biosynthesis in <i>Escherichia coli</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1969</b> , 133, 413-9	4.1	50
162	Formylation of amino acid analogues of methionine sRNA. <i>Biochemical and Biophysical Research Communications</i> , <b>1966</b> , 24, 50-5	3.4	50
161	CHARACTERISTICS OF THE INHIBITION OF AROMATIC L-AMINO ACID DECARBOXYLASE BY ALPHA-METHYLAMINO ACIDS. <i>Archives of Biochemistry and Biophysics</i> , <b>1963</b> , 103, 9-14	4.1	48
160	STUDIES ON THE EFFECT OF VITAMIN B6 ON 5-HYDROXYTRYPTAMINE (SEROTONIN) FORMATION. <i>Journal of Biological Chemistry</i> , <b>1957</b> , 227, 617-624	5.4	47
159	Changes in phenoxazinone synthetase activity during the growth cycle of <i>Streptomyces antibioticus</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1968</b> , 123, 317-23	4.1	45
158	Studies on elongation factor II from calf brain. <i>Archives of Biochemistry and Biophysics</i> , <b>1972</b> , 152, 114-24	4.1	43
157	Effect of methionine and vitamin B-12 on the activities of methionine biosynthetic enzymes in metJ mutants of <i>Escherichia coli</i> K12. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 158, 249-56	4.1	43
156	Selenocompounds can serve as oxidoreductants with the methionine sulfoxide reductase enzymes. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 31184-7	5.4	42

155	Combination of sulindac and dichloroacetate kills cancer cells via oxidative damage. <i>PLoS ONE</i> , <b>2012</b> , 7, e39949	3.7	42
154	Effect of a soluble transfer factor on the reaction of aminoacyl-tRNA with puromycin. <i>Biochemical and Biophysical Research Communications</i> , <b>1968</b> , 31, 563-70	3.4	41
153	Calcium-dependent autophosphorylation of the glucose-regulated protein, Grp78. <i>Archives of Biochemistry and Biophysics</i> , <b>1991</b> , 289, 256-61	4.1	40
152	An interaction between the transfer factors required for protein synthesis. <i>Archives of Biochemistry and Biophysics</i> , <b>1969</b> , 132, 146-50	4.1	40
151	The effect of guanosine nucleotides on the multiple forms of protein synthesis elongation factor 1 from wheat embryos. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 159, 353-61	4.1	40
150	A methionine sulfoxide reductase in <i>Escherichia coli</i> that reduces the R enantiomer of methionine sulfoxide. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 300, 378-82	3.4	39
149	The binding of aminoacyl-tRNA and poly U to a soluble factor (S) extracted from ribosomes. <i>Biochemical and Biophysical Research Communications</i> , <b>1970</b> , 40, 698-707	3.4	39
148	Control of one-carbon metabolism in a methionine-B12 auxotroph of <i>Escherichia coli</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1966</b> , 117, 405-12	4.1	39
147	Binding of serotonin and other amines by blood platelets. <i>Archives of Biochemistry and Biophysics</i> , <b>1958</b> , 73, 492-9	4.1	38
146	The inhibition of protein synthesis by IgG containing anti-ribosome P autoantibodies from systemic lupus erythematosus patients. <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 267, 398-403	4.1	35
145	Interaction of brain transferase I with guanosine nucleotides and aminoacyl-tRNA. <i>Biochemical and Biophysical Research Communications</i> , <b>1972</b> , 46, 254-62	3.4	35
144	Conversion of L-tyrosine to phenol by <i>Clostridium tetanomorphum</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1965</b> , 112, 1-6	4.1	35
143	Formation of 5-hydroxytryptophan from tryptophan by <i>Chromobacterium violaceum</i> . <i>Nature</i> , <b>1955</b> , 175, 994-5	50.4	35
142	Sulindac enhances the killing of cancer cells exposed to oxidative stress. <i>PLoS ONE</i> , <b>2009</b> , 4, e5804	3.7	34
141	The thioredoxin domain of <i>Neisseria gonorrhoeae</i> PilB can use electrons from DsbD to reduce downstream methionine sulfoxide reductases. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 32668-75	5.4	34
140	Regulation of methionine synthesis in <i>Escherichia coli</i> : effect of metJ gene product and S-adenosylmethionine on the in vitro expression of the metB, metL and metJ genes. <i>Biochemical and Biophysical Research Communications</i> , <b>1985</b> , 133, 731-9	3.4	34
139	Interactions of the heavy and light forms of elongation factor I with guanine nucleotides and aminoacyl-tRNA. <i>Archives of Biochemistry and Biophysics</i> , <b>1974</b> , 161, 709-12	4.1	34
138	Studies on the ability of norleucine to replace methionine in the initiation of protein synthesis of <i>E. coli</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1970</b> , 141, 525-32	4.1	34

137	Aminoacyl-tRNA-Tu-GTP interaction with ribosomes. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 145, 676-84	4.1	33
136	Studies on vitamin B12 metabolism in HeLa cells. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 142, 231-7.	4.1	33
135	Enzymatic reduction of methionine sulfoxide residues in proteins and peptides. <i>Methods in Enzymology</i> , <b>1984</b> , 107, 352-60	1.7	32
134	In vitro polypeptide synthesis in brain. <i>Archives of Biochemistry and Biophysics</i> , <b>1969</b> , 130, 183-90	4.1	32
133	Release of RNA from HeLa cell nuclei. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 157, 160-7	4.1	32
132	Enzymic synthesis of methionine: formation of a radioactive cobamide enzyme with N5-methyl-14C-tetrahydrofolate. <i>Archives of Biochemistry and Biophysics</i> , <b>1967</b> , 119, 572-9	4.1	32
131	Studies on the metabolism of ATP by isolated bacterial membranes: formation and metabolism of membrane-bound phosphatidic acid. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 147, 249-54	4.1	31
130	Chemistry and biology of E. coli ribosomal protein L12. <i>Molecular and Cellular Biochemistry</i> , <b>1981</b> , 36, 47-63	4.2	30
129	Studies on the reaction of N-acetyl-phenylalanyl-tRNA with puromycin. <i>Archives of Biochemistry and Biophysics</i> , <b>1968</b> , 127, 705-10	4.1	30
128	The enzymatic acetylation of E. coli ribosomal protein L 12. <i>Biochemical and Biophysical Research Communications</i> , <b>1972</b> , 49, 673-9	3.4	30
127	Enzymatic formation of fatty acid amides of ethanolamine by rat liver microsomes. <i>Biochemical and Biophysical Research Communications</i> , <b>1963</b> , 10, 165-70	3.4	29
126	In vitro expression of Escherichia coli ribosomal protein L 10 gene: tripeptide synthesis as a measure of functional mRNA. <i>Archives of Biochemistry and Biophysics</i> , <b>1982</b> , 218, 572-8	4.1	28
125	Studies on the in vitro synthesis of beta-galactosidase: necessary components in the ribosomal wash. <i>Archives of Biochemistry and Biophysics</i> , <b>1974</b> , 162, 578-84	4.1	28
124	Studies on the nature of the bound cobamide in E. coli N5-methyltetrahydrofolate-homocysteine transmethylase. <i>Archives of Biochemistry and Biophysics</i> , <b>1968</b> , 126, 353-7	4.1	28
123	The effect of homocysteine on MetR regulation of metE, metR and metH expression in vitro. <i>Biochemical and Biophysical Research Communications</i> , <b>1989</b> , 163, 79-83	3.4	27
122	Lens methionine sulfoxide reductase. <i>Biochemical and Biophysical Research Communications</i> , <b>1982</b> , 108, 429-34	3.4	27
121	Further studies on the role of factors Ts and Tu in protein synthesis. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 144, 224-9	4.1	27
120	Release of Inorganic Tripolyphosphate from Adenosine Triphosphate during Vitamin B12 Coenzyme Biosynthesis. <i>Journal of Biological Chemistry</i> , <b>1963</b> , 238, 1491-1497	5.4	27

119	Deficiency of methionine sulfoxide reductase A causes cellular dysfunction and mitochondrial damage in cardiac myocytes under physical and oxidative stresses. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 402, 608-13	3.4	26
118	Studies on the reducing systems for plant and animal thioredoxin-independent methionine sulfoxide reductases B. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 361, 629-33	3.4	26
117	An aminopeptidase activity associated with brain ribosomes. <i>Archives of Biochemistry and Biophysics</i> , <b>1971</b> , 143, 336-7	4.1	26
116	Elongation factor 1 from <i>Artemia salina</i> : properties and disaggregation of the enzyme. <i>FEBS Journal</i> , <b>1976</b> , 65, 395-402		25
115	The role of ATP in the biosynthesis of coenzyme B12. <i>Biochemical and Biophysical Research Communications</i> , <b>1961</b> , 5, 213-6	3.4	25
114	4-METHYL-3-HYDROXYANTHRANILIC ACID, AN INTERMEDIATE IN ACTINOMYCIN BIOSYNTHESIS. <i>Biochemical and Biophysical Research Communications</i> , <b>1965</b> , 19, 524-30	3.4	25
113	Conversion of Vitamin B12 to Coenzyme B12 in Cell-free Extracts of <i>Clostridium tetanomorphum</i> . <i>Journal of Biological Chemistry</i> , <b>1961</b> , 236, PC40-PC42	5.4	25
112	Dysregulation of DAF-16/FOXO3A-mediated stress responses accelerates oxidative DNA damage induced aging. <i>Redox Biology</i> , <b>2018</b> , 18, 191-199	11.3	24
111	Studies on the metabolism and biological activity of the epimers of sulindac. <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 1014-21	4	24
110	New membrane-associated and soluble peptide methionine sulfoxide reductases in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 302, 284-9	3.4	24
109	The enzymatic acetylation of ribosomal bound protein L 12. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 155, 475-7	4.1	24
108	Effect of chloromycetin and penicillin on the incorporation of amino acids into actinomycin and protein by <i>Streptomyces antibioticus</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>1962</b> , 8, 186-90	3.4	24
107	Cobamide-dependent synthesis of methionine: Light reactivation of an inhibited enzyme. <i>Biochemical and Biophysical Research Communications</i> , <b>1964</b> , 17, 17-22	3.4	24
106	BIOCHEMICAL ROLE OF VITAMIN B12. <i>Physiological Reviews</i> , <b>1965</b> , 45, 80-97	47.9	24
105	Biosynthesis of the B12 Coenzyme: Requirements for Release of Cyanide and Spectral Changes. <i>Journal of Biological Chemistry</i> , <b>1962</b> , 237, 3217-3222	5.4	24
104	Effect of Vitamin B12 Analogues on Methionine Formation from N5-Methyltetrahydrofolic Acid. <i>Journal of Biological Chemistry</i> , <b>1964</b> , 239, 146-148	5.4	24
103	N5-Methyltetrahydrofolate-Homocysteine Transmethylase. <i>Journal of Biological Chemistry</i> , <b>1967</b> , 242, 1517-1521	5.4	24
102	A coupled DNA-directed in vitro system to study gene expression based on di- and tripeptide formation. <i>Methods in Enzymology</i> , <b>1983</b> , 101, 690-706	1.7	23



101	Isolation of methyl-B-12 from Escherichia coli B N-5-methyl-H-4-folate-homocysteine vitamin-B-12 transmethylase. <i>Biochemical and Biophysical Research Communications</i> , <b>1967</b> , 27, 398-404	3.4	23
100	Studies on the reaction of the aminoacyl-tRNA-Tu-GTP complex with ribosomal subunits. <i>Biochemical and Biophysical Research Communications</i> , <b>1970</b> , 41, 1388-95	3.4	22
99	Altered folate metabolism in a vitamin B 12-methionine auxotroph. <i>Biochemical and Biophysical Research Communications</i> , <b>1964</b> , 16, 593-9	3.4	22
98	Sulindac confers high level ischemic protection to the heart through late preconditioning mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19611-6	11.5	21
97	Studies on the role of factor Ts in aminoacyl-tRNA binding to ribosomes. <i>Archives of Biochemistry and Biophysics</i> , <b>1970</b> , 141, 384-6	4.1	21
96	Pharmacological protection of retinal pigmented epithelial cells by sulindac involves PPAR- $\alpha$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16754-9	11.5	20
95	Transcriptional activity of isolated maize chloroplasts. <i>Archives of Biochemistry and Biophysics</i> , <b>1984</b> , 235, 26-33	4.1	20
94	Studies on the in vitro transcription and translation of the lac operon. <i>Archives of Biochemistry and Biophysics</i> , <b>1974</b> , 160, 168-74	4.1	20
93	The mRNA-directed synthesis of the alpha0peptide of beta-galactosidase, ribosomal proteins L12 and L10, and elongation factor Tu, using purified translational factors. <i>Archives of Biochemistry and Biophysics</i> , <b>1978</b> , 187, 457-63	4.1	20
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91	Enzymatic synthesis of actinocinyl peptides. <i>Archives of Biochemistry and Biophysics</i> , <b>1969</b> , 130, 536-46	4.1	20
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