Herbert Weissbach

List of Publications by Year in Descending Order

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	Upregulation of cellular protective mechanisms against oxidative damage via pharmacological intervention. *FASEB Journal*, **2019**, 33, 651.1	0.9	
225	Dysregulation of DAF-16/FOXO3A-mediated stress responses accelerates oxidative DNA damage induced aging. *Redox Biology*, **2018**, 18, 191-199	11.3	24
224	Identification of activators of methionine sulfoxide reductases A and B. *Biochemical and Biophysical Research Communications*, **2016**, 469, 863-7	3.4	11
223	Pharmacological protection of retinal pigmented epithelial cells by sulindac involves PPAR-□ *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16754-9	11.5	20
222	Combination of sulindac and dichloroacetate kills cancer cells via oxidative damage. *PLoS ONE*, **2012**, 7, e39949	3.7	42
221	Studies on the metabolism and biological activity of the epimers of sulindac. *Drug Metabolism and Disposition*, **2011**, 39, 1014-21	4	24
220	A high-throughput screening compatible assay for activators and inhibitors of methionine sulfoxide reductase A. *Assay and Drug Development Technologies*, **2010**, 8, 615-20	2.1	11
219	Deficiency of methionine sulfoxide reductase A causes cellular dysfunction and mitochondrial damage in cardiac myocytes under physical and oxidative stresses. *Biochemical and Biophysical Research Communications*, **2010**, 402, 608-13	3.4	26
218	Methionine sulfoxide reductase A (MsrA) protects cultured mouse embryonic stem cells from H2O2-mediated oxidative stress. *Journal of Cellular Biochemistry*, **2010**, 111, 94-103	4.7	19
217	Sulindac enhances the killing of cancer cells exposed to oxidative stress. *PLoS ONE*, **2009**, 4, e5804	3.7	34
216	Sulindac confers high level ischemic protection to the heart through late preconditioning mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19611-6	11.5	21
215	Metabolism and Biological Activity of Sulindac and its Epimers. *FASEB Journal*, **2009**, 23, 527.2	0.9	
214	Topical sulindac combined with hydrogen peroxide in the treatment of actinic keratoses. *Journal of Drugs in Dermatology*, **2009**, 8, 29-32	2.2	14
213	Origin and evolution of the protein-repairing enzymes methionine sulphoxide reductases. *Biological Reviews*, **2008**, 83, 249-57	13.5	70
212	The isolation of the vitamin B12 coenzyme and the role of the vitamin in methionine synthesis. *Journal of Biological Chemistry*, **2008**, 283, 23497-504	5.4	4
211	Free methionine-(R)-sulfoxide reductase from Escherichia coli reveals a new GAF domain function. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9597-602	11.5	110
210	Studies on the reducing systems for plant and animal thioredoxin-independent methionine sulfoxide reductases B. *Biochemical and Biophysical Research Communications*, **2007**, 361, 629-33	3.4	26

209	A disulfide intermediate is required for the reduction of methionine sulfoxide reductase by thioredoxin. *FASEB Journal*, **2007**, 21, A275	0.9	1
208	The thioredoxin domain of Neisseria gonorrhoeae PilB can use electrons from DsbD to reduce downstream methionine sulfoxide reductases. *Journal of Biological Chemistry*, **2006**, 281, 32668-75	5.4	34
207	Thionein can serve as a reducing agent for the methionine sulfoxide reductases. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 8656-61	11.5	66
206	Selenocompounds can serve as oxidoreductants with the methionine sulfoxide reductase enzymes. *Journal of Biological Chemistry*, **2006**, 281, 31184-7	5.4	42
205	Silencing of the methionine sulfoxide reductase A gene results in loss of mitochondrial membrane potential and increased ROS production in human lens cells. *Experimental Eye Research*, **2006**, 83, 1281-6	3.7	63
204	Selenocompounds Can Serve as Oxidoreductants with the Methionine Sulfoxide Reductase Enzymes. *Journal of Biological Chemistry*, **2006**, 281, 31184-31187	5.4	4
203	Methionine sulfoxide reductases: history and cellular role in protecting against oxidative damage. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2005**, 1703, 203-12	4	229
202	Methionine sulfoxide reductases B1, B2, and B3 are present in the human lens and confer oxidative stress resistance to lens cells. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 2107-12		64
201	Methionine sulfoxide reductase A protects neuronal cells against brief hypoxia/reoxygenation. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1159-64	11.5	136
200	Reduction of Sulindac to its active metabolite, sulindac sulfide: assay and role of the methionine sulfoxide reductase system. *Biochemical and Biophysical Research Communications*, **2003**, 312, 1005-10	3.4	50
199	A methionine sulfoxide reductase in Escherichia coli that reduces the R enantiomer of methionine sulfoxide. *Biochemical and Biophysical Research Communications*, **2003**, 300, 378-82	3.4	39
198	New membrane-associated and soluble peptide methionine sulfoxide reductases in Escherichia coli. *Biochemical and Biophysical Research Communications*, **2003**, 302, 284-9	3.4	24
197	The mirrored methionine sulfoxide reductases of Neisseria gonorrhoeae pilB. *Nature Structural Biology*, **2002**, 9, 348-52		85
196	How I became a biochemist. *IUBMB Life*, **2002**, 54, 225-8	4.7	1
195	The outer membrane localization of the Neisseria gonorrhoeae MsrA/B is involved in survival against reactive oxygen species. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 10108-13	11.5	108
194	Peptide methionine sulfoxide reductase: structure, mechanism of action, and biological function. *Archives of Biochemistry and Biophysics*, **2002**, 397, 172-8	4.1	260
193	High-quality life extension by the enzyme peptide methionine sulfoxide reductase. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 2748-53	11.5	379
192	A simplified reconstitution of mRNA-directed peptide synthesis: activity of the epsilon enhancer and an unnatural amino acid. *Analytical Biochemistry*, **2001**, 297, 60-70	3.1	53

191	Oxidative regulation of large conductance calcium-activated potassium channels. *Journal of General Physiology*, **2001**, 117, 253-74	3.4	114
190	Peptide methionine sulfoxide reductase: biochemistry and physiological role. *Biopolymers*, **2000**, 55, 288-96	2.2	85
189	Structure and mechanism of peptide methionine sulfoxide reductase, an "anti-oxidation" enzyme. *Biochemistry*, **2000**, 39, 13307-12	3.2	125
188	Regulation of voltage-dependent K+ channels by methionine oxidation: effect of nitric oxide and vitamin C. *FEBS Letters*, **1999**, 442, 48-52	3.8	50
187	Molecular cloning and functional expression of a human peptide methionine sulfoxide reductase (hMsrA). *FEBS Letters*, **1999**, 456, 17-21	3.8	91
186	A revisit to bacterial protein synthesis: the search for the role of GTP. *Protein Science*, **1998**, 7, 516-21	6.3	1
185	ATP hydrolysis is not required for the dissociation of a substance P.BiP complex. *Archives of Biochemistry and Biophysics*, **1996**, 330, 314-8	4.1	3
184	Escherichia coli peptide methionine sulfoxide reductase: cloning, high expression, and purification. *Methods in Enzymology*, **1995**, 251, 462-70	1.7	7
183	The effect of phosphorylation and site-specific mutations in the immunodominant epitope of the human ribosomal P proteins. *Clinical Immunology and Immunopathology*, **1994**, 72, 273-9		16
182	Role of the metF and metJ genes on the vitamin B12 regulation of methionine gene expression: involvement of N5-methyltetrahydrofolic acid. *Biochemical and Biophysical Research Communications*, **1992**, 182, 651-8	3.4	8
181	Calcium-dependent autophosphorylation of the glucose-regulated protein, Grp78. *Archives of Biochemistry and Biophysics*, **1991**, 289, 256-61	4.1	40
180	Transcriptional start and MetR binding sites on the Escherichia coli metH gene. *Biochemical and Biophysical Research Communications*, **1991**, 175, 1057-63	3.4	11
179	Central nervous system function in systemic lupus erythematosus. *Neurochemical Research*, **1990**, 15, 401-6	4.6	5
178	Interaction of DnaK with ATP: binding, hydrolysis and Ca+2-stimulated autophosphorylation. *Biochemical and Biophysical Research Communications*, **1990**, 166, 1284-92	3.4	18
177	The effect of homocysteine on MetR regulation of metE, metR and metH expression in vitro. *Biochemical and Biophysical Research Communications*, **1989**, 163, 79-83	3.4	27
176	The inhibition of protein synthesis by IgG containing anti-ribosome P autoantibodies from systemic lupus erythematosus patients. *Archives of Biochemistry and Biophysics*, **1988**, 267, 398-403	4.1	35
175	Association between lupus psychosis and anti-ribosomal P protein antibodies. *New England Journal of Medicine*, **1987**, 317, 265-71	59.2	484
174	Ribosomal protein autoantibodies in systemic lupus erythematosus. *BioEssays*, **1987**, 7, 258-61	4.1	8

173	Use of an in vitro dipeptide system to determine the translation initiation sites of chloroplast genes. *Methods in Enzymology*, **1986**, 118, 309-315	1.7	1
172	Regulation of the methionine regulon in Escherichia coli. *BioEssays*, **1985**, 3, 210-3	4.1	16
171	IHF stimulation of lambda cII gene expression is inhibited by the E. coli NusA protein. *Biochemical and Biophysical Research Communications*, **1985**, 127, 1026-31	3.4	3
170	In vitro stimulation of Escherichia coli RNA polymerase sigma subunit synthesis by NusA protein. *Gene*, **1985**, 33, 227-34	3.8	13
169	Regulation of methionine synthesis in Escherichia coli: effect of metJ gene product and S-adenosylmethionine on the in vitro expression of the metB, metL and metJ genes. *Biochemical and Biophysical Research Communications*, **1985**, 133, 731-9	3.4	34
168	Cloning and expression of the metE gene in Escherichia coli. *Archives of Biochemistry and Biophysics*, **1985**, 239, 467-74	4.1	19
167	Escherichia coli integration host factor inhibits the NusA stimulation of RNA polymerase sigma subunit synthesis in vitro. *Archives of Biochemistry and Biophysics*, **1985**, 243, 315-9	4.1	3
166	In vitro expression and characterization of the translation start site of the psbA gene product (QB protein) from higher plants. *Nucleic Acids Research*, **1984**, 12, 6221-30	20.1	17
165	Enzymatic reduction of methionine sulfoxide residues in proteins and peptides. *Methods in Enzymology*, **1984**, 107, 352-60	1.7	32
164	Determination of the translation start site of the large subunit of ribulose-1,5-bisphosphate carboxylase from maize. *Plant Molecular Biology*, **1984**, 3, 403-6	4.6	4
163	Transcriptional activity of isolated maize chloroplasts. *Archives of Biochemistry and Biophysics*, **1984**, 235, 26-33	4.1	20
162	Translational control of the expression of the beta subunit gene of E. coli RNA polymerase. *Biochemical and Biophysical Research Communications*, **1983**, 113, 1018-25	3.4	8
161	Biochemistry and physiological role of methionine sulfoxide residues in proteins. *Archives of Biochemistry and Biophysics*, **1983**, 223, 271-81	4.1	270
160	A coupled DNA-directed in vitro system to study gene expression based on di- and tripeptide formation. *Methods in Enzymology*, **1983**, 101, 690-706	1.7	23
159	Synthesis of the large subunit of ribulose-1,5-bisphosphate carboxylase in anin vitro partially definedE. coli system. *Plant Molecular Biology*, **1983**, 2, 279-90	4.6	17
158	The biochemistry of methionine sulfoxide residues in proteins. *Trends in Biochemical Sciences*, **1982**, 7, 137-139	10.3	77
157	Enzymatic reduction of oxidized chemotactic peptide N-formyl-L-methionyl-sulfoxide-L-leucyl-L-phenylalanine. *Biochemical and Biophysical Research Communications*, **1982**, 109, 194-201	3.4	18
156	Lens methionine sulfoxide reductase. *Biochemical and Biophysical Research Communications*, **1982**, 108, 429-34	3.4	27

155	In vitro expression of Escherichia coli ribosomal protein L 10 gene: tripeptide synthesis as a measure of functional mRNA. *Archives of Biochemistry and Biophysics*, **1982**, 218, 572-8	4.1	28
154	Reduction of N-acetyl methionine sulfoxide: a simple assay for peptide methionine sulfoxide reductase. *Analytical Biochemistry*, **1982**, 122, 291-4	3.1	71
153	Regulation of synthesis of Escherichia coli ribosomal proteins L1 and L11. *Archives of Biochemistry and Biophysics*, **1981**, 206, 51-3	4.1	16
152	In vitro synthesis of biologically active human leukocyte interferon directed by recombinant plasmid DNA. *Archives of Biochemistry and Biophysics*, **1981**, 210, 417-9	4.1	2
151	Ribosomal protein biosynthesis during starvation and refeeding in Tetrahymena pyriformis. *Archives of Biochemistry and Biophysics*, **1981**, 210, 625-32	4.1	3
150	Guanosine-5Qdiphosphate-3Qdiphosphate inhibits the in vitro synthesis of beta-lactamase from pBR322 DNA. *Biochemical and Biophysical Research Communications*, **1981**, 101, 459-63	3.4	6
149	Chemistry and biology of E. coli ribosomal protein L12. *Molecular and Cellular Biochemistry*, **1981**, 36, 47-63	4.2	30
148	The purification of methionine sulfoxide reductase from Escherichia coli. *Analytical Biochemistry*, **1980**, 102, 393-8	3.1	58
147	RNA and protein synthesis in cultured human fibroblasts derived from donors of various ages. *Mechanisms of Ageing and Development*, **1980**, 13, 285-95	5.6	18
146	RNA synthesis in permeable HeLa cells. *Archives of Biochemistry and Biophysics*, **1980**, 201, 73-80	4.1	10
145	Further characterization of L factor, a protein required for beta-galactosidase synthesis. *Archives of Biochemistry and Biophysics*, **1980**, 201, 544-50	4.1	12
144	DNA-directed in vitro synthesis of beta-galactosidase: requirement for formylation of methionyl-tRNAf. *Archives of Biochemistry and Biophysics*, **1979**, 195, 396-400	4.1	11
143	Conformation and biological activity of acidic ribosomal proteins from different organisms. *Archives of Biochemistry and Biophysics*, **1979**, 198, 53-9	4.1	13
142	Regulation of the in vitro synthesis of E. coli ribosomal protein L12. *Biochemical and Biophysical Research Communications*, **1979**, 91, 1453-61	3.4	17
141	Regulation of the in vitro synthesis of the alpha-peptide of beta-galactosidase directed by a restriction fragment of the lactose operon. *Biochemical and Biophysical Research Communications*, **1978**, 81, 1000-10	3.4	6
140	The mRNA-directed synthesis of the alpha0peptide of beta-galactosidase, ribosomal proteins L12 and L10, and elongation factor Tu, using purified translational factors. *Archives of Biochemistry and Biophysics*, **1978**, 187, 457-63	4.1	20
139	Activity of different forms of initiation factor 2 in the vitro synthesis of beta-galactosidase. *Archives of Biochemistry and Biophysics*, **1978**, 189, 531-4	4.1	11
138	Studies on the disaggregation of EF-1 with carboxypeptidase A. *Archives of Biochemistry and Biophysics*, **1977**, 180, 444-51	4.1	5

137	Methionine biosynthesis in normal and transformed fibroblasts. *Archives of Biochemistry and Biophysics*, **1977**, 179, 43-5	4.1	14
136	Stimulation by spermidine of the DNA-directed in vitro synthesis of beta-galactosidase. *Archives of Biochemistry and Biophysics*, **1976**, 176, 799-800	4.1	5
135	DNA-directed in vitro synthesis of beta-galactosidase: dependencies on elongation factor Tu and tRNA. *Archives of Biochemistry and Biophysics*, **1976**, 174, 100-4	4.1	9
134	Purification and properties of rabbit reticulocyte elongation factor 1. *Archives of Biochemistry and Biophysics*, **1976**, 174, 603-12	4.1	50
133	DNA-directed in vitro synthesis of elongation factor Tu. *Biochemical and Biophysical Research Communications*, **1976**, 73, 917-27	3.4	16
132	Disaggregation of elongation factor 1 by extracts of Artemia salina. *Biochemical and Biophysical Research Communications*, **1976**, 71, 826-33	3.4	6
131	Elongation factor 1 from Artemia salina: properties and disaggregation of the enzyme. *FEBS Journal*, **1976**, 65, 395-402		25
130	The quantitation of ribosome-bound Escherichia coli ribosomal proteins L7L12 by radial immunodiffusion. *Analytical Biochemistry*, **1976**, 75, 53-7	3.1	2
129	The identification and characterization of proteins similar to L7, L12 in ribosome-free extracts of Escherichia coli. *Biochemical and Biophysical Research Communications*, **1975**, 65, 293-302	3.4	17
128	Interaction of phospholipids with elongation factor 1 from calf brain. *Archives of Biochemistry and Biophysics*, **1975**, 169, 358-61	4.1	3
127	Studies on the in vitro synthesis of beta-galactosidase: necessary components in the ribosomal wash. *Archives of Biochemistry and Biophysics*, **1974**, 162, 578-84	4.1	28
126	Defective transport in S-adenosylmethionine synthetase mutants of Escherichia coli. *Archives of Biochemistry and Biophysics*, **1974**, 161, 610-20	4.1	12
125	Interactions of the heavy and light forms of elongation factor I with guanine nucleotides and aminoacyl-tRNA. *Archives of Biochemistry and Biophysics*, **1974**, 161, 709-12	4.1	34
124	Further studies on eukaryote DNA stimulation of amino acid incorporation in E. coli extracts. *Archives of Biochemistry and Biophysics*, **1974**, 160, 603-13	4.1	1
123	Elongation factor Tu and the aminoacyl-tRNA-EFTu-GTP complex. *Methods in Enzymology*, **1974**, 30, 219-32	1.7	110
122	Studies on the in vitro transcription and translation of the lac operon. *Archives of Biochemistry and Biophysics*, **1974**, 160, 168-74	4.1	20
121	The role of protein factors in the biosynthesis of proteins. *Cell*, **1974**, 2, 137-43	56.2	15
120	The binding of Escherichia coli elongation factor G to the ribosome. *Methods in Enzymology*, **1974**, 30, 235-8	1.7	11

119	The interaction of guanosine 5′-diphosphate, 2′(3′)-diphosphate with the bacterial elongation factor Tu. *Archives of Biochemistry and Biophysics*, **1973**, 154, 675-82	4.1	54
118	Initiation of protein synthesis in vivo in poliovirus-infected HeLa cells. *Archives of Biochemistry and Biophysics*, **1973**, 154, 431-7	4.1	10
117	The enzymatic acetylation of ribosomal bound protein L 12. *Archives of Biochemistry and Biophysics*, **1973**, 155, 475-7	4.1	24
116	Further studies on the interactions of elongation factor 1 from animal tissues. *Archives of Biochemistry and Biophysics*, **1973**, 156, 267-75	4.1	58
115	Effect of eukaryote DNA on amino acid incorporation in extracts of E. coli. *Archives of Biochemistry and Biophysics*, **1973**, 157, 28-35	4.1	3
114	Release of RNA from HeLa cell nuclei. *Archives of Biochemistry and Biophysics*, **1973**, 157, 160-7	4.1	32
113	The effect of guanosine nucleotides on the multiple forms of protein synthesis elongation factor 1 from wheat embryos. *Archives of Biochemistry and Biophysics*, **1973**, 159, 353-61	4.1	40
112	Synthesis of cyclopropane fatty acids in isolated bacterial membranes. *Archives of Biochemistry and Biophysics*, **1973**, 158, 667-76	4.1	13
111	Effect of methionine and vitamin B-12 on the activities of methionine biosynthetic enzymes in metJ mutants of Escherichia coli K12. *Archives of Biochemistry and Biophysics*, **1973**, 158, 249-56	4.1	43
110	Studies on the metabolism of ATP by isolated bacterial membranes: solubilization and phosphorylation of a protein component of the diglyceride kinase system. *Archives of Biochemistry and Biophysics*, **1973**, 157, 327-33	4.1	6
109	Regulation of the terminal reactions in methionine biosynthesis by vitamin B 12 and methionine. *Archives of Biochemistry and Biophysics*, **1972**, 150, 23-31	4.1	65
108	Further studies on metabolism of phosphatidic acid of isolated E. coli membrane vesicles. *Archives of Biochemistry and Biophysics*, **1972**, 150, 797-806	4.1	13
107	The properties of an E. coli ribosomal protein required for the function of factor G. *Archives of Biochemistry and Biophysics*, **1972**, 148, 148-55	4.1	75
106	Studies on elongation factor II from calf brain. *Archives of Biochemistry and Biophysics*, **1972**, 152, 114-24	4.1	43
105	Studies on the ribosomal sites involved in factors Tu and G-dependent reactions. *Archives of Biochemistry and Biophysics*, **1972**, 149, 110-7	4.1	52
104	Interaction of a Phe-tRNA-Tu-GTP complex with ribosomal subunits. *Archives of Biochemistry and Biophysics*, **1972**, 149, 560-2	4.1	3
103	The enzymatic acetylation of E. coli ribosomal protein L 12. *Biochemical and Biophysical Research Communications*, **1972**, 49, 673-9	3.4	30
102	Interaction of brain transferase I with guanosine nucleotides and aminoacyl-tRNA. *Biochemical and Biophysical Research Communications*, **1972**, 46, 254-62	3.4	35

101	Aminoacyl-tRNA-Tu-GTP interaction with ribosomes. *Archives of Biochemistry and Biophysics*, **1971**, 145, 676-84	4.1	33
100	Effect of edeine on aminoacyl-tRNA binding to ribosomes. *Archives of Biochemistry and Biophysics*, **1971**, 146, 356-8	4.1	8
99	The interaction of transfer factor G, ribosomes, and guanosine nucleotides in the presence of fusidic acid. *Archives of Biochemistry and Biophysics*, **1971**, 143, 286-96	4.1	67
98	An aminopeptidase activity associated with brain ribosomes. *Archives of Biochemistry and Biophysics* , **1971**, 143, 336-7	4.1	26
97	Studies on vitamin B12 metabolism in HeLa cells. *Archives of Biochemistry and Biophysics*, **1971**, 142, 231-7	4.1	33
96	Studies on the metabolism of ATP by isolated bacterial membranes: formation and metabolism of membrane-bound phosphatidic acid. *Archives of Biochemistry and Biophysics*, **1971**, 147, 249-54	4.1	31
95	Purification of factor Ts: studies on the formation and stability of nucleotide complexes containing transfer factor Tu. *Archives of Biochemistry and Biophysics*, **1971**, 147, 457-66	4.1	62
94	Further studies on the role of factors Ts and Tu in protein synthesis. *Archives of Biochemistry and Biophysics*, **1971**, 144, 224-9	4.1	27
93	[188] N5-methyltetrahydrofolate-homocysteine (vitamin B12) methyltransferase (Escherichia coli B). *Methods in Enzymology*, **1971**, 17, 379-388	1.7	11
92	Studies on the purification and properties of factor Tu from E. coli. *Archives of Biochemistry and Biophysics*, **1970**, 141, 26-37	4.1	210
91	Studies on the role of factor Ts in aminoacyl-tRNA binding to ribosomes. *Archives of Biochemistry and Biophysics*, **1970**, 141, 384-6	4.1	21
90	Studies on the ability of norleucine to replace methionine in the initiation of protein synthesis of E. coli. *Archives of Biochemistry and Biophysics*, **1970**, 141, 525-32	4.1	34
89	Studies on the role of factor Ts in polypeptide synthesis. *Archives of Biochemistry and Biophysics*, **1970**, 137, 262-9	4.1	109
88	RNA metabolism in Streptomyces antibioticus; effect of 5-fluorouracil on the appearance of phenoxazinone synthetase. *Archives of Biochemistry and Biophysics*, **1970**, 137, 558-73	4.1	20
87	Interactions between the elongation factors: the displacement of GPD from the TU-GDP complex by factor Ts. *Biochemical and Biophysical Research Communications*, **1970**, 38, 1016-22	3.4	86
86	Studies on the initiation of protein synthesis in animal tissues. *Biochemical and Biophysical Research Communications*, **1970**, 41, 78-84	3.4	57
85	Studies on the reaction of the aminoacyl-tRNA-Tu-GTP complex with ribosomal subunits. *Biochemical and Biophysical Research Communications*, **1970**, 41, 1388-95	3.4	22
84	Inhibition of transfer factor Ts by aurintricarboxylic acid. *Biochemical and Biophysical Research Communications*, **1970**, 39, 1194-8	3.4	16

83	The binding of aminoacyl-tRNA and poly U to a soluble factor (S) extracted from ribosomes. *Biochemical and Biophysical Research Communications*, **1970**, 40, 698-707	3.4	39
82	Purification and Properties of 5-Methyltetrahydropteroyltriglutamate-Homocysteine Transmethylase. *Journal of Biological Chemistry*, **1970**, 245, 390-401	5.4	95
81	In vitro polypeptide synthesis in brain. *Archives of Biochemistry and Biophysics*, **1969**, 130, 183-90	4.1	32
80	Enzymatic synthesis of actinocinyl peptides. *Archives of Biochemistry and Biophysics*, **1969**, 130, 536-46	4.1	20
79	Escherichia coli B N5-methyltetrahydrofolate-homocysteine methyltransferase: sequential formation of bound methylcobalamin with S-adenosyl-L-methionine and N5-methyltetrahydrofolate. *Archives of Biochemistry and Biophysics*, **1969**, 129, 728-44	4.1	58
78	Escherichia coli B N5-methyltetrahydrofolate-homocysteine cobalamin methyltransferase: activation with S-adenosyl-L-methionine and the mechanism for methyl group transfer. *Archives of Biochemistry and Biophysics*, **1969**, 129, 745-66	4.1	51
77	Inhibition by aminochromes of in vitro polypeptide synthesis in Escherichia coli. *Archives of Biochemistry and Biophysics*, **1969**, 134, 478-85	4.1	14
76	Separation of nucleotide-binding proteins and soluble transfer factors from extracts of calf brain. *Archives of Biochemistry and Biophysics*, **1969**, 134, 638-41	4.1	7
75	An interaction between the transfer factors required for protein synthesis. *Archives of Biochemistry and Biophysics*, **1969**, 132, 146-50	4.1	40
74	Inhibition by L-methionine of the growth of Euglena gracilis in a glutamic acid medium. *Archives of Biochemistry and Biophysics*, **1969**, 132, 170-4	4.1	8
73	Effect of L-methionine and vitamin B 12 on methionine biosynthesis in Escherichia coli. *Archives of Biochemistry and Biophysics*, **1969**, 133, 413-9	4.1	50
72	Nucleotide binding by Escherichia coli membranes and solubilized membrane proteins. *Archives of Biochemistry and Biophysics*, **1969**, 135, 66-74	4.1	8
71	The formation of a complex containing ribosomes, transfer factor G and A guanosine nucleotide. *Biochemical and Biophysical Research Communications*, **1969**, 34, 843-8	3.4	53
70	Binding of substrate to N5-methyl-tetrahydroteroyl-triglutamate-homocysteine transmethylase. *Biochemical and Biophysical Research Communications*, **1968**, 33, 996-1003	3.4	20
69	Effect of a soluble transfer factor on the reaction of aminoacyl-tRNA with puromycin. *Biochemical and Biophysical Research Communications*, **1968**, 31, 563-70	3.4	41
68	Role of GTP in protein synthesis: interaction of GTP with soluble transfer factors from E. coli. *Archives of Biochemistry and Biophysics*, **1968**, 128, 331-8	4.1	61
67	Escherichia coli B N5-methyltetrahydrofolate-homocysteine vitamin-B12 transmethylase: formation and photolability of a methylcobalamin enzyme. *Archives of Biochemistry and Biophysics*, **1968**, 123, 109-26	4.1	63
66	Changes in phenoxazinone synthetase activity during the growth cycle of Streptomyces antibioticus. *Archives of Biochemistry and Biophysics*, **1968**, 123, 317-23	4.1	45

65	Studies on the reaction of N-acetyl-phenylalanyl-tRNA with puromycin. *Archives of Biochemistry and Biophysics*, **1968**, 127, 705-10	4.1	30
64	Studies on the nature of the bound cobamide in E. coli N5-methyltetrahydrofolate-homocysteine transmethylase. *Archives of Biochemistry and Biophysics*, **1968**, 126, 353-7	4.1	28
63	Chemical propylation of vitamin-B12 transmethylase: anomalous behavior of S-adenosyl-L-methionine. *Archives of Biochemistry and Biophysics*, **1968**, 125, 240-52	4.1	19
62	[150b] N10-formyl tetrahydrofolate:methionyl tRNA(F) transformylase from Esherichia coli B. *Methods in Enzymology*, **1968**, 12, 681-687	1.7	6
61	Effect of structural and stereochemical methylproline isomers on actinomycin biosynthesis. *Journal of Bacteriology*, **1968**, 95, 952-8	3.5	9
60	Enzymic synthesis of methionine: formation of a radioactive cobamide enzyme with N5-methyl-14C-tetrahydrofolate. *Archives of Biochemistry and Biophysics*, **1967**, 119, 572-9	4.1	32
59	Formylation of guinea pig liver methionyl-sRNA. *Archives of Biochemistry and Biophysics*, **1967**, 120, 119-23	4.1	96
58	GTP interaction with a protein synthesis initiation factor preparation from Escherichia coli. *Biochemical and Biophysical Research Communications*, **1967**, 28, 82-8	3.4	56
57	Deformylation of N-formylmethionine by Escherichia coli extracts. *Biochemical and Biophysical Research Communications*, **1967**, 27, 7-11	3.4	8
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55	Unusual growth characteristics of a methionine-cyano-B12 auxotroph of Escherichia coli. *Journal of Bacteriology*, **1967**, 94, 1609-15	3.5	1
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