

CITATION REPORT

List of articles citing

DITHIOTHREITOL, A NEW PROTECTIVE REAGENT FOR SH GROUPS

DOI: 10.1021/bi00892a002
Biochemistry, 1964, 3, 480-2.

Source: <https://exaly.com/paper-pdf/8450543/citation-report.pdf>

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1800	Reductive dissociation of chicken gamma-G immunoglobulin in neutral solvents without a dispersing agent. 1965 , 54, 822-30		17
1799	IDENTITY IN ESCHERICHIA COLI OF CARBAMYL PHOSPHOKINASE AND AN ACTIVITY WHICH CATALYZES AMINO GROUP TRANSFER FROM GLUTAMINE TO ORNITHINE IN CITRULLINE SYNTHESIS. 1965 , 18, 530-7		19
1798	Alpha-galactosidase activity in cell-free extracts of Escherichia coli. 1966 , 22, 473-9		27
1797	The role of complexed heavy metals in initiating the mineralizing of "elastin" and the precipitation of mineral from solution. 1966 , 115, 87-94		35
1796	A disulfide-linked collagenous protein of nematocyst capsules. 1966 , 154, 152-3		78
1795	Studies on sulfhydryl groups during cell division of sea-urchin eggs. 8. Some properties of mitotic apparatus proteins. 1966 , 112, 132-45		78
1794	Dithiothreitol in the study of cysteine transport. 1966 , 121, 215-7		23
1793	Acid-soluble sulfhydryl compounds in L-cells during various conditions of growth. 1966 , 44, 1159-69		5
1792	The preparation and properties of the isolated alpha and beta subunits of hemoglobin A. <i>Biochemistry</i> , 1966 , 5, 2957-62	3.2	117
1791	The regulation of activity of the enzymes involved in the assimilation of nitrate by higher plants. 1966 , 100, 577-88		98
1790	Zur chemischen Aufklärung von Eiweißstrukturen. 1966 , 1-40		0
1789	[44] d-3-phosphoglycerate dehydrogenase. 1966 , 9, 216-220		5
1788	Alkylation of a brain transport adenosinetriphosphatase at the cardiotonic steroid site by strophanthidin-3-haloacetates. 1966 , 55, 797-804		23
1787	Spectrophotometric and chemical studies of 5-mercaptopuracil, 5-mercaptopdeoxyuridine, and their S-substituted derivatives. 1966 , 55, 606-10		17
1786	Effects of blocking sulfhydryl groups and of reducing disulfide bonds on the acetylcholine-activated permeability system of the electroplax. 1966 , 126, 525-35		195
1785	Effect of Bailey's tropomyosin purification on EGTA-sensitizing activity. 1966 , 209, 1128-9		7
1784	The purification and properties of nitrite reductase from higher plants, and its dependence on ferredoxin. 1966 , 100, 263-73		128

1783	Enolase activity in marine planktonic algae. 1966 , 44, 449-54		4
1782	Phylogenetic origins of antibody structure. II. Immunoglobulins in the primary immune response of the bullfrog, <i>Rana catesbiana</i> . 1966 , 124, 901-13		103
1781	The mitotic apparatus. Physical chemical characterization of the 22S protein component and its subunits. 1967 , 32, 255-75		72
1780	Quantitative determination of thiols and disulphides in urine by means of Ellman's reagent and thiolated Sephadex and its application in cystinuria. 1967 , 19, 325-30		22
1779	The contractile and control sites of natural actomyosin. 1967 , 50, 2421-35		21
1778	A spectrophotometric method for the direct determination of cysteine in the presence of other naturally occurring amino acids. 1967 , 104, 627-33		899
1777	The photoreduction of spinach ferredoxin in the presence of porphyrin and an electron donor. 1967 , 58, 2445-50		10
1776	A protein factor inhibiting the magnesium-activated adenosine triphosphatase of desensitized actomyosin. 1967 , 104, 907-13		29
1775	The purification and properties of isocitrate lyase from <i>Chlorella</i> . 1967 , 105, 409-16		54
1774	The C-terminal sequences of the heavy chains of human immunoglobulin G myeloma proteins of differing isotopes and allotypes. 1967 , 105, 1019-28		51
1773	Lysosomal acid proteinase of rabbit liver. 1967 , 104, 601-8		150
1772	The heterogeneity of the S peptide of bovine pancreatic ribonuclease A. <i>Biochemistry</i> , 1967 , 6, 745-8	3.2	27
1771	The biochemical events of mitosis. II. The in vivo and in vitro binding of colchicine in grasshopper embryos and its possible relation to inhibition of mitosis. <i>Biochemistry</i> , 1967 , 6, 3126-35	3.2	271
1770	The regulatory properties of a plant phosphofructokinase during leaf development. 1967 , 146, 129-37		64
1769	Fluorescence and protein structure. 1967 , 140, 37-44		130
1768	Reversible inactivation of rabbit muscle aldolase by ophenanthroline. 1967 , 121, 178-86		100
1767	Gamma-glutamyl-cysteine synthetase from bovine lens. I. Purification and properties. 1967 , 122, 62-72		39
1766	Reactivating effect of some naturally occurring dithiol compounds on threonine deaminase. 1967 , 122, 522-3		8

1765	Function of zinc in horse liver alcohol dehydrogenase. 1967 , 119, 552-9	40
1764	Spectrophotometric observation of the alkaline hydrolysis of protein disulfide bonds. 1967 , 29, 734-40	32
1763	Evidence for the incorporation of L-thiazolidine-4-carboxylate into actinomycins by <i>Streptomyces antibioticus</i> . 1967 , 28, 665-70	10
1762	Formation of an infectious nucleoprotein from protein and nucleic acid isolated from a small spherical virus. 1967 , 32, 354-6	137
1761	Heat inactivation of the relaxing site of actomyosin: prevention and reversal with dithiothreitol. 1967 , 156, 73-4	10
1760	[27] The cyanogen bromide reaction. 1967 , 11, 238-255	613
1759	Dissociation of <i>Escherichia coli</i> ribosomes by sulfhydryl reagents. 1967 , 23, 35-46	67
1758	COMPARATIVE STUDIES ON ALDOLASE ACTIVITY IN MARINE PLANKTONIC ALGAE, AND THEIR EVOLUTIONARY SIGNIFICANCE(1). 1967 , 3, 81-5	14
1757	The effects of three thiols on the extractability of wheat-flour proteins. 1967 , 18, 119-23	3
1756	An enzymic method for measurement of glycogen. 1967 , 19, 315-26	150
1755	Adenosine Triphosphate and the Pyruvic and Phosphoglyceric Kinases of the Malaria Parasite <i>Plasmodium lophurae</i> . 1967 , 14, 110-114	24
1754	Inter heavy-light chain disulphide bridge in immune globulins. 1967 , 214, 92-4	48
1753	Nature of the aldolase activity in a unicellular red alga. 1967 , 214, 1028-9	5
1752	Production of phage-neutralizing activity in vitro by cells derived from Burkitt's lymphoma. 1967 , 215, 860-1	13
1751	Inhibition of stromal enzymes by x-radiation. 1967 , 213, 636-7	10
1750	Thin lipid membranes with aqueous interfaces: apparatus designs and methods of study. 1968 , 45, 202-29	16
1749	Nonenzymatic cleavage of peptide bonds and multiple-molecular forms of enzymes. 1968 , 151, 556-67	7
1748	Colorimetric assay of cystine using noradrenochrome. 1968 , 23, 129-31	7

1747	A method for isolation of coenzyme A products. 1968 , 26, 350-7		10
1746	Chromatography of some cystine peptides and formation of mixed disulfides. 1968 , 37, 55-61		2
1745	A Study of Certain Properties of Myosin from Skeletal Muscle. 1968 , 33, 180-187		31
1744	Chemical protection against x-irradiation by a new reducing agent 1,4-dithiothreitol in marsupial leucocytes in culture. 1968 , 217, 479-80		9
1743	Studies on the morphopoiesis of the head of phage T-even. V. The components of the T4 capsid and of other, capsid-related structures. 1968 , 34, 549-61		82
1742	The assembly in vitro of some small spherical viruses, hybrid viruses, and other nucleoproteins. 1968 , 34, 492-508		124
1741	Role of hydrogen and disulfide bonds in polyoma capsid structure. 1968 , 34, 481-91		19
1740	Isolation and characterization of a hemagglutinin from <i>Limulus polyphemus</i> . 1968 , 32, 453-65		232
1739	Preparation of 14,38-bis-[S-carbamidomethyl]-(basic trypsin inhibitor) possessing full biological activity. 1968 , 31, 467-73		44
1738	Further studies of DNA-nucleoprotein gels and residual protein of isolated cell nuclei. 1968 , 49, 533-57		29
1737	Twinning of sand dollar embryos by means of dithiothreitol. The structural basis of blastomere interactions. 1968 , 52, 209-21		24
1736	Effect of certain chemical compounds on rat liver aminopeptidase B acting on L-arginyl-2-naphthylamide with evidence of the occurrence of a similar enzyme in the liver of human fetuses. 1968 , 126, 803-11		30
1735	Studies on ficin. I. Its isolation and characterization. <i>Biochemistry</i> , 1968 , 7, 163-75	3.2	114
1734	Subunit interactions and their relationship to the allosteric properties of rabbit skeletal muscle phosphorylase b. <i>Biochemistry</i> , 1968 , 7, 3590-608	3.2	248
1733	Transfer ribonucleic acids in <i>Escherichia coli</i> . Multiplicity and variation. <i>Biochemistry</i> , 1968 , 7, 2799-808	3.2	49
1732	The reaction of trypsin with bromoacetone. <i>Biochemistry</i> , 1968 , 7, 1239-51	3.2	38
1731	Tropomyosin from smooth muscle of the uterus. <i>Biochemistry</i> , 1968 , 7, 960-7	3.2	30
1730	The covalent structure of a human gamma G-immunoglobulin. I. Isolation and characterization of the whole molecule, the polypeptide chains, and the tryptic fragments. <i>Biochemistry</i> , 1968 , 7, 1950-8	3.2	91

1729	Human pituitary growth hormone. XVI. Reduction with dithiothreitol in the absence of urea. 1968 , 154, 420-2		34
1728	Inactivation of erythropoietin by Koshland's tryptophan reagent and by membrane filtration. 1968 , 160, 413-9		12
1727	Restoration of glycolysis and respiration in Ehrlich ascites tumor cells inhibited by 2,2'-dithiodipyridine. 1968 , 17, 2281-90		2
1726	Rat-liver thiol: protein-disulphide oxidoreductase. 1968 , 167, 525-37		6
1725	Characterization of phospholipase C from a marine planktonic alga (<i>Monochrysis lutheri</i>). 1968 , 159, 496-502		11
1724	The biosynthesis of L-threonine ethanolamine phosphate in fish. 1968 , 27, 695-702		1
1723	Studies on the fungitoxicity of captan. 1968 , 62, 35-43		19
1722	Sequential degradation of peptides from their carboxyl termini with ammonium thiocyanate and acetic anhydride. <i>Biochemistry</i> , 1968 , 7, 1796-807	3.2	79
1721	Ribosomal RNA synthesis in newly sliced discs of potato tuber. 1968 , 43, 1011-6		15
1720	Société Belge de Biochimie. 1968 , 76, 567-602		
1719	Plant leaf and stem proteins. I. Extraction and electrophoretic separation of the basic, water-soluble fraction. 1968 , 43, 578-82		25
1718	Studies on Auxin Protectors. V. On the Mechanism of IAA Protection by Protector-I of the Japanese Morning Glory. 1968 , 43, 1141-5		22
1717	Reduction and specific alkylation of the receptor for acetylcholine. 1968 , 60, 668-74		131
1716	[154] Isolation and properties of the <i>Escherichia coli</i> amino acid polymerizing enzymes. 1968 , 12, 708-721		27
1715	Investigations on the oligosaccharide units of an A myeloma globulin. 1968 , 107, 341-52		94
1714	The inhibition, by intermediary metabolites, of isocitrate lyase from <i>Chlorella pyrenoidosa</i> . 1968 , 110, 481-4		21
1713	The elastic fiber. I. The separation and partial characterization of its macromolecular components. 1969 , 40, 366-81		594
1712	[9] Isocitrate dehydrogenase (NAD-specific) from <i>Neurospora crassa</i> . 1969 , 13, 42-47		17

1711	Calcium uptake by isolated sarcoplasmic reticulum treated with dithiothreitol. 1969 , 164, 1294-5	33
1710	beta-Alanine as an Ethylene Precursor. Investigations Towards Preparation, and Properties, of a Soluble Enzyme System From a Subcellular Particulate Fraction of Bean Cotyledons. 1969 , 44, 1217-26	14
1709	Inhibition of hypostome formation and polarity re-versal in Hydra. 1969 , 221, 1268-71	22
1708	On the role of S-adenoxylmethionine in the vitamin B12 dependent methionine biosynthesis. 1969 , 10, 557-60	29
1707	A comparative investigation of isozyme fractions separated from plant tissues. 1969 , 8, 385-391	26
1706	Respiratory oxidation by mitochondria from tomatoes at different stages of ripeness. 1969 , 19, 155-165	8
1705	Quantitative determination of biologically important thiols and disulfides by gas-liquid chromatography. 1969 , 31, 339-47	42
1704	Determination of coenzyme A and acetyl CoA in tissue extracts. 1969 , 29, 293-9	194
1703	The carboxymethylation of crystalline ribonuclease. <i>Biochemistry</i> , 1969 , 8, 628-33	3.2 8
1702	Toxicity of Radioprotective Agents to Yeast. 1969 , 39, 90	
1701	Amino acid substitutions resulting from suppression of nonsense mutations. IV. Leucine insertion by the Su6+ suppressor gene. 1969 , 45, 545-8	30
1700	Reversible dissociation of cucumber mosaic virus (strain S). 1969 , 37, 134-9	21
1699	Macromolecular binding of aldosterone in the toad bladder. 1969 , 192, 335-46	33
1698	N-lipoyl glucosamine and N-lipoyl glucosamitol: substrates for lipoyl dehydrogenase. 1969 , 134, 346-51	3
1697	The hydroxylamine reductase of mitochondria. 1969 , 134, 408-13	13
1696	Competitive inhibition of an L-fucose isomerase activity by dithiothreitol. 1969 , 36, 24-9	6
1695	Studies on the solubilization of 2',3'-cyclic nucleotide 3'-phosphohydrolase from bovine brain. 1969 , 12, 227-9	11
1694	Factors affecting the assembly of some spherical viruses. 1969 , 39, 296-311	38

1693	Isolation and properties of some molecular species of human brain esterases. 1969 , 171, 265-76	6
1692	Purification and properties of galactolipase. 1969 , 178, 519-33	59
1691	Inhibition of mammalian uridinediphosphoglucose 4-epimerase by the dithiothreitol-stimulated formation of NADH. 1969 , 191, 144-54	4
1690	The preparation of tropomyosin and troponin from natural actomyosin. 1969 , 175, 301-19	123
1689	Some anticholinergic activities of BRL 1288--a new anti-Parkinson drug. 1969 , 37, 501P-502P	2
1688	Extraction and comparison of bean cytoplasmic and chloroplast ribosomes. 1969 ,	
1687	Carbonic anhydrase in marine algae. 1969 , 44, 726-32	26
1686	The chemical reactions of the haemagglutinins and neuraminidases of different strains of influenza viruses. II. Effects of reagents modifying the higher order structure of the protein molecule. 1969 , 67, 301-10	8
1685	Amino acid uptake in isolated chick embryo heart cells. 1969 , 114, 97-105	40
1684	Reference. 1969 , 140-144	
1683	[56] A spectrophotometric assay for acid: CoA ligases. 1969 , 14, 622-625	
1682	Recent developments in chemical modification and sequential degradation of proteins. 1970 , 24, 261-308	64
1681	Immunological Studies of Insoluble Lipoproteins. 1970 , 39, 6-15	6
1680	3 Chemical Modification as a Probe of Structure and Function. 1970 , 1, 147-211	10
1679	Automatische Bestimmung von Enzymaktivitäten in pflanzlichen Extrakten. 1970 , 252, 237-241	3
1678	Automatische Säulen-Chromatographie von Peptiden im Nanomolmaßstab. 1970 , 252, 151-158	8
1677	Uniquely labelled active site sequence in chicken muscle triose phosphate isomerase. 1970 , 227, 180-1	43
1676	Toxic effects of oxygen on cerebral metabolism. 1970 , 17, 709-20	15

1675	Studies of Auxin Protectors VIII. Evidence that Auxin Protectors Act as Cellular Poisers. 1970 , 23, 775-783	26
1674	The enzymatic breakdown of pantethine to pantothenic acid and cystamine. 1970 , 16, 571-8	65
1673	Identification of "T" mycoplasmas in primary agar cultures by means of a direct test for urease. 1970 , 174, 809-19	62
1672	Macroglobulinemia with positive antiglobulin tests. 1970 , 10, 310-4	
1671	Automatic systems for detecting cystine and cystinyl peptides during column chromatography. 1970 , 35, 193-202	14
1670	Some optical properties of myosin and tropomyosin. 1970 , 9, 1-10	9
1669	[Merrifield-synthesis of symmetrical cystine peptides]. 1970 , 740, 1-17	31
1668	The self-assembly of spherical plant viruses. 1970 , 16, 99-134	213
1667	In vitro and in vivo protein synthesis in <i>Candida albicans</i> . 1970 , 8, 177-188	8
1666	Studies of the proteins of contracted sheath of T-even coliphage. 1970 , 40, 260-6	11
1665	Effect of reduction of disulfide bonds on uptake of intrinsic factor-cyanocobalamin complex by homogenates of guinea pig ileum. 1970 , 222, 244-7	4
1664	Gel electrophoresis of the head proteins of T-even phage. 1970 , 40, 251-9	9
1663	A factor preventing the major head protein of bacteriophage T4 from random aggregation. 1970 , 47, 69-85	298
1662	Reduction and alkylation of the coat protein of the tobacco necrosis satellite virus. 1970 , 40, 767-8	2
1661	Fragmentation of bovine chymotrypsinogen A and chymotrypsin A-alpha. Specific cleavage at arginine and methionine residues and separation of peptides, including B and C chains of chymotrypsin. <i>Biochemistry</i> , 1970 , 9, 4470-80	3.2 28
1660	Affinity oxidation of the reduced acetylcholine receptor. 1970 , 203, 568-71	25
1659	Human pituitary growth hormone. XXII. The reduction and reoxidation of the hormone. 1970 , 138, 338-46	26
1658	Inhibition of respiration in submitochondrial particles by uncouplers of oxidative phosphorylation. 1970 , 137, 38-50	5

1657	Dissociation of native fibroin by sulphhydryl compounds. 1970 , 214, 265-71	19
1656	The mechanism of "biochemical shock". I. The correlation between the accumulation of some thiol radioprotectors in rat tissues and biochemical changes induced by them. 1970 , 19, 2533-40	3
1655	Transport of penicillamine across mucosa of the rat small intestine in vitro. 1970 , 19, 1287-1295	14
1654	Preparation and studies of myeloma Fab subfractions. 1970 , 7, 207-15	7
1653	Evolutionary constancy of primary structure in an alpha(A)-chain fragment of fibrinogen. 1970 , 7, 321-323	8
1652	Methods for revoval of the vitelline membrane of sea urchin eggs. I. Use of dithiothreitol (Cleland Reagent). 1970 , 61, 64-8	142
1651	Studies on the binding of selenium by liver homogenates from rats fed diets containing either casein or casein plus linseed oil meal. 1970 , 16, 79-87	13
1650	Acrylamide gel electrophoresis of bacteriophage Q beta: electrophoresis of the intact virions and of the viral proteins. 1970 , 42, 437-52	53
1649	Ribosomal RNA precursors in plants. 1970 , 49, 681-92	88
1648	Psychosis, dyskinesia, and hyperpigmentation. 1971 , 1, 1069	5
1647	A revaluation of the haemoglobin electrophoretogram of the wistar rat. 1971 , 40, 155-63	1
1646	Some chemical properties of the venom of the scorpionfish <i>Scorpaena guttata</i> . 1971 , 9, 69-78	46
1645	Inactivation of the pseudorabies virus by dithiothreitol. 1971 , 45, 91-100	4
1644	Structural aberrations in T-even bacteriophage. II. Characterization of the proteins contained in aberrant heads. 1971 , 44, 425-42	21
1643	RNA metabolism during embryo development and germination of <i>Phaseolus vulgaris</i> . 1971 , 26, 369-79	43
1642	Electrophoretic analysis of the haemoglobins of <i>Ambystoma mexicanum</i> . 1971 , 40, 751-5	4
1641	Chapter VI Separation and Purification of Proteins. 1971 , 425-454	
1640	Corn and potato -1,4-glucan: -1,4-glucan 6-glycosyltransferase: evidence for separate hydrolytic and branching components. <i>Biochemistry</i> , 1971 , 10, 4330-5	3.2 10

1639	Protein biosynthesis in cell-free systems prepared from hair follicle tissue of guinea pigs. 1971 , 232, 556-72	13
1638	Laser light scattering studies on urinary glycoprotein. 1971 , 236, 52-8	11
1637	DDT-dehydrochlorinase. II. Subunits, sulfhydryl groups, and chemical composition. 1971 , 147, 374-83	27
1636	Structure and function of amylases. I. The subunit structure of porcine pancreatic α -amylase. 1971 , 144, 160-7	31
1635	Preparation and isolation of the S-carboxymethyl derivative chains of human fibrinogen. 1971 , 14, 37-41	58
1634	Protein-Losing Gastropathy Produced by Sulfhydryl Reagents. 1971 , 60, 870-879	39
1633	Influence of Four Weeds on Enzyme Components of Cabbage, Tomato, and Lettuce Seedlings. 1971 , 19, 735-739	3
1632	The purification and properties of microsomal palmitoyl-coenzyme A synthetase. 1971 , 122, 353-62	160
1631	Extensive charging of transfer ribonucleic acid by bean leaf extracts in vitro. 1971 , 125, 975-81	4
1630	The ^{60}Co γ -Radiolysis of Aqueous Papain Solutions: Repair and Protection by Cysteine. 1971 , 46, 457	17
1629	Effects of the electrophoretic application of sulfhydryl reagents to the end-plate receptors. 1971 , 1, 199-209	33
1628	Some properties of an SH group essential for choline transport in human erythrocytes. 1971 , 213, 647-64	31
1627	A structure of pyridine nucleotides in solution. 1971 , 68, 3200-5	69
1626	In vitro cultivation procedures for parasitic helminths: recent advances. 1971 , 9, 227-58	17
1625	Über die verwendung von Cleland's reagenz für die reduktion von methioninsulfoxid und für die abspaltung von Nps- und Nim-Dnp-schutzgruppen. 1971 , 27, 1997-2001	22
1624	Studies on Auxin Protectors X. Protector Levels and Lignification in Sunflower Crown Gall Tissue. 1971 , 25, 474-481	8
1623	Sub-pellicular microtubules in Crithidia fasciculata. 1971 , 18, 223-31	18
1622	Isolation and characterization of seryl-tRNA synthetase from yeast. 1971 , 20, 144-52	45

1621	Participation of SH groups in the auto-activation of insect dihydrofolate reductase. 1971 , 2, 279-292	6
1620	Factors affecting the production of glutamine in cultured mouse cells. 1971 , 77, 135-44	33
1619	Mucociliary flow in the middle ear. 1971 , 80, 336-41	16
1618	[33] Isoelectric focusing of proteins. 1971 , 22, 389-412	204
1617	Methionine biosynthesis in <i>Candida albicans</i> . I. S-adenosyl-L-methionine (or S-methyl-L-methionine): homocysteine methyltransferase in cell-free extracts from yeast-like cells. 1971 , 17, 795-802	6
1616	Reaction of Lithium Cellulosate with Episulfides. 1971 , 5, 957-968	2
1615	Primary structure of neocarzinostatin, an antitumor protein. 1972 , 178, 875-6	97
1614	Cortical morphogenesis in <i>Paramecium aurelia</i> : mutants affecting cell shape. 1972 , 19, 271-9	14
1613	Biochemical characterization of middle ear effusions. 1972 , 81, 394-400	24
1612	Requirement for extraction of polyribosomes from barley tissue. 1972 , 49, 733-9	28
1611	Microsomal palmitoyl coenzyme A synthetase from rat liver. Partial and exchange reactions. 1972 , 129, 1101-7	17
1610	Genetic variants of glucose 6-phosphate dehydrogenase from human erythrocytes: unique properties of the A - variant isolated from "deficient" cells. 1972 , 69, 946-50	15
1609	Immune responses in vitro. V. Role of mercaptoethanol in the mixed-leukocyte reaction. 1972 , 5, 410-8	115
1608	Immune responses in vitro. I. Culture conditions for antibody synthesis. 1972 , 3, 264-76	393
1607	The predominant cultivable flora of tooth surface plaque removed from institutionalized subjects. 1972 , 17, 1311-25	221
1606	Menadiol as an electron donor for reversed oxidative phosphorylation in submitochondrial particles. 1972 , 267, 439-43	2
1605	Sodium-dependent binding of D-glucose to a filamentous fraction of Tris-disrupted brush borders from hamster jejunum. 1972 , 255, 685-90	11
1604	Quelques points de structure de l'hormone lutéinisante bovine. Comparaison avec l'hormone lutéinisante ovine. 1972 , 263, 115-124	7

1603	The purification and some properties of a protein causing gelling in phloem sieve tube exudate from <i>Cucurbita pepo</i> . 1972 , 257, 433-44	34
1602	Effects of thiols and disulfides on glucose utilization and insulin action in the isolation rat diaphragm. 1972 , 21, 517-23	10
1601	Rat liver levels of coenzyme A-glutathione and of enzymes in its metabolism. 1972 , 153, 619-26	14
1600	-Glutamyl-cysteine synthetase deficiency. A cause of hereditary hemolytic anemia. 1972 , 286, 557-61	137
1599	The purification of amyloid fibril proteins. 1972 , 2, 39-51	44
1598	[13] Reduction of disulfide bonds in proteins with dithiothreitol. 1972 , 25, 185-8	153
1597	Isolation and characterisation of a mast cell degranulating substance from <i>Ascaris suum</i> . 1972 , 261, 245-57	4
1596	Automation of the Sequence analysis by Edman degradation of proteins and peptides. 1972 , 1-28	3
1595	Effects of sulphhydryl reagents on an insect nerve-muscle preparation. 1972 , 18, 1949-60	2
1594	Oxygen inhibition of crystalline glyceraldehyde phosphate dehydrogenase and disappearance of enzyme sulphhydryl groups. 1972 , 11, 329-335	6
1593	Effects on lethality of toxins in venom from the scorpion <i>Centruroides sculpturatus</i> by group specific reagents. 1972 , 10, 173-81	9
1592	Effects of glutamine on the two catalytic activities of glutamine synthetase in cultured mouse cells strain L. 1972 , 47, 485-90	19
1591	Measurement of progesterone in human plasma. 1972 , 1, 199-207	2
1590	Stability constant for the zinc-dithiothreitol complex. 1972 , 47, 203-8	86
1589	Low zone tolerance: a possible defect in the switch from IgM to IgG production. 1972 , 2, 191-3	15
1588	p-Coumaric and ferulic acid components of cell walls of ryegrass and their relationships with lignin and digestibility. 1972 , 23, 1347-1354	182
1587	The reaction of 3-ethoxy-2-oxobutyraldehyde bis (thiosemicarbazonato) copper(II) with thiols. 1972 , 1, 273-288	29
1586	Synthese eines labempfindlichen pentadecapeptids aus kuh--casein. 1972 , 28, 855-865	18

1585	Comparative characterization of l-threonine dehydratase in seven species of unicellular marine algae. 1972 , 11, 277-287	20
1584	Studies of photoprotection against porphyrin photosensitization using dithiothreitol and glycerol. 1972 , 58, 373-80	9
1583	Correlation between various proteins of bovine snout epidermis. 1972 , 86, 495-505	5
1582	Purification and characterisation of crystalline -amylase from barley. 1972 , 28, 555-65	54
1581	The subunit structure of lactate dehydrogenase from Streptococcus cremoris US3. 1972 , 30, 348-53	17
1580	L-THREONINE DEAMINASE IN MARINE PLANKTONIC ALGAE. II. DISULFIDE AND SULFHYDRYL GROUP REQUIREMENTS OF ENZYME ACTIVITY IN TWO CRYPTOPHYTES1. 1972 , 8, 283-289	1
1579	The action of U.V. light of various wavelengths on papain. 1972 , 15, 43-50	12
1578	Stabilization of mouse brain glutamic decarboxylase. 1972 , 28, 1006-7	2
1577	Paradoxical inhibition of the effects of bradykinin by some sulfhydryl reagents. 1972 , 28, 59-62	12
1576	The effects of sulphhydryl reagents on morphogenesis in hydroids : I. Metamorphosis and regeneration inHydractinia echinata. 1972 , 170, 152-164	5
1575	Protein determination by Lowry's method in the presence of sulfhydryl reagents. 1972 , 49, 467-73	225
1574	A sensitive method for localization of disulfide containing peptides in column effluents. 1973 , 56, 60-5	139
1573	Molecular weight determination by 6 M guanidine gel-filtration using fluorescent-labeled proteins. 1973 , 54, 290-3	6
1572	The metabolism of hydroxyanthranilic acids. Part IV: The isolation and some of the properties of 3-hydroxyanthranilate oxygenase from monkey liver. 1973 , 92, 723-730	2
1571	ESR studies of free radicals in solution. II. Alkoxy radicals generated by hydrogen transfer in hydroxy thiols. 1973 , 10, 22-33	1
1570	Lead and some other metals in the histochemical demonstration of rat liver glycogen phosphorylase activity. 1973 , 36, 347-53	5
1569	Histochemical demonstration of rat liver glycogen phosphorylase activity with iron (Fe++). 1973 , 36, 355-65	4
1568	Further studies on the role of sulfhydryl groups in the morphogenesis of the chick embryo. 1973 , 173, 22-26	3

1567	The influence of disulfide bond reduction and lanthanum on end-plate receptors. 1973 , 29, 668-9	3
1566	The Effect of Cadmium on Electron and Energy Transfer Reactions in Corn Mitochondria. 1973 , 28, 166-171	75
1565	Enzymatic glucosylation of dithiothreitol by uridine diphosphate D-glucose and particulate preparations from germinating seeds of Phaseolus aureus and Pisum sativum. 1973 , 50, 147-54	2
1564	Induction of starfish oocyte maturation by disulfide-reducing agents. 1973 , 82, 296-302	60
1563	Selective solubilization of mammalian spermatozoa structures. 1973 , 76, 437-40	37
1562	Effects of epididymal maturation, zinc (II) and copper (II) on the reactive sulfhydryl content of structural elements in rat spermatozoa. 1973 , 81, 333-41	97
1561	Macrophage spreading in vitro. I. Inducers of spreading. 1973 , 77, 323-34	130
1560	Soluble antigens associated with infection with apple chlorotic leaf spot virus. 1973 , 54, 506-14	14
1559	Studies on the structure of the postnuclear sheath of water buffalo spermatozoa. 1973 , 44, 355-68	32
1558	Protection of Thiols. 1973 , 235-308	8
1557	Activation of NADP-malate dehydrogenase by lipoate. 1973 , 1, 11-14	12
1556	Evaluation of a new transport medium for the preservation of oral streptococci. 1973 , 18, 871-8	18
1555	Polymer-bound dihydrolipoic acid: a new insoluble reducing agent for disulfides. 1973 , 303, 36-43	18
1554	Étude de la structure primaire de la protéine du virus de la mosaïque jaune du navet II. Séquence des peptides tryptiques de la protéine aminothylée. 1973 , 317, 240-252	3
1553	Mercaptodextran, a metal-chelating and disulphide-reducing polythiol of high molecular weight. 1973 , 22, 1179-88	28
1552	Mechanism of "biochemical shock". 3. Comparative study of biochemical effects induced by a radioprotective and a non-radioprotective compound of isomer structure. 1973 , 22, 815-25	1
1551	Direct and indirect plaque forming cells in extrapulmonary lymphoid tissue following local vs systemic injection of soluble antigen. 1973 , 9, 234-41	17
1550	Inhibition by serotonin of glutamine synthetase formation in cultured mouse cells strain L. 1973 , 304, 169-80	

1549	Peptide-bond hydrolysis equilibria in the antitrypsin site of lima bean protease inhibitor. <i>Biochemistry</i> , 1973 , 12, 1330-5	3.2	16
1548	Pulse Radiolysis of Dithiothreitol. 1973 , 54, 364		48
1547	The role of a reactive disulphide bond in the function of the acetylcholine receptor at the frog neuromuscular junction. 1973 , 234, 305-25		63
1546	Radioprotection of Enzyme and Bacterial Systems by Dithiothreitol. 1973 , 55, 109		26
1545	Characterization of Sofffi Metaltion Dithiothreitolates and Dithioerythriotoilates. 1973 , 6, 659-665		3
1544	Pharmacologic receptor activity of rabbit aorta. Effect of dithiothreitol and N-ethylmaleimide. 1973 , 33, 284-90		43
1543	Promotion of replication in lymphoid cells by specific thiols and disulfides in vitro. Effects on mouse lymphoma cells in comparison with splenic lymphocytes. 1973 , 138, 574-92		211
1542	Softening hair with dithiothreitol (Cleland's reagent) for histological sectioning in paraffin. 1973 , 48, 198-9		1
1541	Studies on cystathionase activity in rat liver and brain during development. Effects of hormones and amino acids in vivo. 1973 , 136, 1011-5		37
1540	Proteins of the newt germinal vesicle nucleus. 1973 , 242, 20-2		9
1539	THE NEUROMUSCULAR JUNCTIONTHE ROLE OF ACETYLCHOLINE IN EXCITABLE MEMBRANES. 1973 , 31-116		
1538	Litholytic Agents: Preventive and Curative Drugs for Nephrolithiasis. 1973 , 237-283		3
1537	Effects of manganese, calcium, dithiothreitol and bovine serum albumin on the light-reactivation of Tris-acetone-washed chloroplasts. 1974 ,		
1536	Route of Protein Loss During a Model Protein-Losing Gastropathy in Dogs. 1974 , 66, 960-972		28
1535	Glyceraldehyde 3-Phosphate Dehydrogenases and Glyoxylate Reductase: II. Far Red Light-Dependent Development of Glyceraldehyde 3-Phosphate Dehydrogenase Isozyme Activities in Sinapis Alba Cotyledons. 1974 , 54, 100-4		22
1534	Decrease in free cystine content of cultured cystinotic fibroblasts by ascorbic acid. 1974 , 186, 1040-2		24
1533	Sulfhydryl group reactivity of D-galactose dehydrogenases from Pseudomonas saccharophila. 1974 , 43, 49-58		7
1532	Comparative analysis of surface charges on luminal epithelial membranes of urinary bladders from toad, frog, turtle, and tortoise. 1974 , 180, 509-19		4

1531	A new simple technique for the determination of radioactivity content of coenzyme A products. 1974 , 59, 178-84	10
1530	The effect of denaturing conditions on the activity of rabbit muscle amylo-1,6-glucosidase-oligo-1,4 leads to 1,4-glucantransferase. 1974 , 5, 153-9	8
1529	Ionophoric material derived from eel membrane preparation. I. Chemical characteristics. 1974 , 19, 129-40	18
1528	Direct spectrophotometric determination of mucin disulfide linkages. 1974 , 58, 624-31	3
1527	The effect of <i>Habrobracon</i> venom on excitatory neuromuscular transmission in insects. 1974 , 89, 23-38	47
1526	Isoelectric focusing in gels. 1974 , 98, 271-321	361
1525	Involvement of amino and sulphhydryl groups in olfactory transduction in silk moths. 1974 , 248, 707-9	23
1524	Snake venom toxins: The reactivity of the disulphide bonds of <i>Naja nivea</i> toxin. 1974 , 359, 242-247	15
1523	Trypsin- und Chymotrypsin-Inhibitoren in Leguminosen IV. Einfluß der Reduktion und Reoxidation auf die biologische Aktivität nativer und modifizierter Inhibitoren aus <i>Phaseolus coccineus</i> . 1974 , 156, 22-31	1
1522	Electron microscopic demonstration of rat liver glycogen phosphorylase activity with iron (Fe ⁺⁺). 1974 , 38, 285-96	6
1521	Structure of 11S acetylcholinesterase. Subunit composition. <i>Biochemistry</i> , 1974 , 13, 3068-79	3.2 77
1520	S-oxidation of thioureylenes catalyzed by a microsomal flavoprotein mixed-function oxidase. 1974 , 23, 3431-40	132
1519	Functional effects of reducing and carboxymethylating the single disulfide bond in bovine carboxypeptidase A. 1974 , 164, 456-9	
1518	Fat metabolism in higher plants. The nonenzymatic acylation of dithiothreitol by acyl coenzyme A. 1974 , 162, 638-48	47
1517	Studies on the apparent instability of bovine kidney alpha-ketoglutarate dehydrogenase complex. 1974 , 161, 505-14	33
1516	Red blood cell calcium and magnesium: effects upon sodium and potassium transport and cellular morphology. 1974 , 352, 97-116	117
1515	The response of artificial lipid membranes containing a cholinergic hydrophobic protein from <i>Electrophorus electroplax</i> . 1974 , 352, 192-201	14
1514	Purification and properties of calf liver aldose reductase. 1974 , 370, 358-68	24

1513	Sulfhydryl groups, a factor in the polymorphism of succinyl-CoA synthetase (GDP-forming). 1974 , 334, 226-234	9
1512	3-Mercaptopyruvate sulfurtransferase (EC 2.8.1.2): a simple assay adapted to human blood cells. 1974 , 51, 205-10	59
1511	The significance of protein disulfide and sulfhydryl groups in prostaglandin action. 1974 , 5, 125-36	23
1510	The reaction of cyanogen bromide with S-methylcysteine: fragmentation of the peptide 14-29 of bovine pancreatic ribonuclease A. 1974 , 59, 1145-50	22
1509	Stimulation of DNA polymerase activity by the combination of p-hydroxymercuribenzoate and dithiothreitol. 1974 , 59, 243-51	5
1508	Purification of phospholipase A from <i>Bitis gabonica</i> venom. 1974 , 12, 611-9	28
1507	Renaturation of the reduced bovine pancreatic trypsin inhibitor. 1974 , 87, 563-77	99
1506	Intermediates in the refolding of reduced pancreatic trypsin inhibitor. 1974 , 87, 579-602	91
1505	Stimulation of growth of wheat stem rust in axenic culture by dithiothreitol (DTT). 1974 , 62, 198-202	2
1504	Ectendomycorrhiza of pacific madrone (<i>Arbutus menziesii</i>). 1974 , 62, 202-IN16	17
1503	The protection, stabilization and reactivation of estradiol receptors in human myometrial cytosol. 1974 , 338, 104-107	12
1502	A kinetic study in vitro of the reoxidation of interchain disulfide bonds in a human immunoglobulin IgGLk. Correlation between sulfhydryl disappearance and intermediates in covalent assembly of H2L2. 1975 , 72, 353-7	27
1501	Receptor identification by density gradient centrifugation. 1975 , 36, 156-66	14
1500	Specific cyanilation and cleavage at cysteine-104 human hemoglobin alpha-chain. A novel approach to the problem of the alpha-chain tryptic core in the study of haemoglobin variants by "fingerprinting" methods. 1975 , 145, 251-61	18
1499	Cultured human lymphoid cells: tools for the biological and molecular characterization of antigens and their recognition systems. 1975 , 11, 173-85	2
1498	Investigations on the kinetic mechanism of octopine dehydrogenase. 2. Location of the rate-limiting step for enzyme turnover. 1975 , 59, 185-91	13
1497	Role of sulfhydryl groups in cellular adhesiveness. 1975 , 85, 547-56	13
1496	CoA cycling: an enzymatic amplification method for determination of CoASH and acetyl CoA. 1975 , 66, 372-92	52

1495	Chromatographic detection of bunte salts and disulphides. 1975 , 104, 389-398	3
1494	High genetic variability in an ecologically variable vertebrate, <i>Bufo viridis</i> . 1975 , 13, 651-61	43
1493	An improved method for the measurement of $^{14}\text{CO}_2$ applied to a problem of cysteine metabolism in squid nerve. 1975 , 25, 445-9	12
1492	Protein Synthesis in Plant Microsomal System. 1975 , 34, 78-82	
1491	The biphasic Ca^{2+} -uptake by the fragmented sarcoplasmic reticulum. 1975 , 30, 593-9	17
1490	THE CHEMICAL REACTIVITY AND MODIFICATION OF KERATIN FIBRES. 1975 , 7, 1-70	12
1489	The hydrogenation of unsaturated fatty acids by five bacterial isolates from the sheep rumen, including a new species. 1975 , 90, 100-14	124
1488	The repair, protection and sensitization of papain with respect to inactivation by H_2O_2 and OH^\cdot : effects of dithiothreitol, penicillamine, cystine and penicillamine disulphide. 1975 , 28, 549-64	11
1487	Preparative Isoelectric Focusing. 1975 , 4, 23-72	8
1486	The differentiation of N-oxidation and N-dealkylation of N-ethyl-N-methylaniline by rabbit liver microsomes as distinct metabolic routes. 1975 , 5, 465-74	25
1485	Epididymal sulfhydryl oxidase: a sperm-protective enzyme from the male reproductive tract. 1975 , 66, 309-15	47
1484	Thiols attached to rat liver non-histone nuclear proteins. 1975 , 93, 225-9	3
1483	Interactions between cysteine residues as probes of protein conformation: the disulphide bond between Cys-14 and Cys-38 of the pancreatic trypsin inhibitor. 1975 , 96, 767-76	104
1482	The two-disulphide intermediates and the folding pathway of reduced pancreatic trypsin inhibitor. 1975 , 95, 167-99	121
1481	Hb Newcastle: beta92 (F8) His replaced by Pro. 1975 , 60, 435-8	29
1480	The interaction of peroxyacetyl nitrate (PAN) with the electron flow of isolated chloroplasts. 1975 , 9, 231-8	5
1479	The in vitro effects of vitamin D on oxidative phosphorylation and adenosine triphosphatase activity by rat liver mitochondria. 1975 , 24, 2127-32	5
1478	A 25,000 molecular weight protein constituent of human amyloid fibrils related to amyloid protein AA. 1975 , 171, 197-205	8

1477	A study of dithiothreitol inactivation of the enzyme rhodanese. 1975 , 67, 433-9	12
1476	Gel Electrophoresis of Proteins and Enzymes. 1976 , 49-77	25
1475	p-Dimethylaminobenzenediazo sodium sulfonate (Fenaminosulf)-reductase from <i>Pseudomonas fragi</i> Bk9. 1976 , 6, 20-29	
1474	The thiol-oxidizing agent diamide increases transmitter release by decreasing calcium requirements for neuromuscular transmission in the frog. 1976 , 117, 257-76	29
1473	Starfish oocyte maturation and reduction of disulfide-bond on oocyte surface. 1976 , 101, 104-10	43
1472	Studies on the effect of capsaicin on metabolic reactions of isolated rat liver mitochondria. 1976 , 37, 263-70	19
1471	The validity of the radial immunodiffusion method for the quantitative determination of human IgM. Evaluation of a modified method. 1976 , 11, 311-20	17
1470	Leukemia cell lysis by sulphhydryl reagents and thiols. 1976 , 19, 973-7	2
1469	Further studies on the effect of phosphoenolpyruvate on respiration-dependent calcium transport by rat heart mitochondria. 1976 , 423, 196-202	21
1468	The oxidation of dithiothreitol by peroxidases and oxygen. 1976 , 445, 324-9	42
1467	Proteolysis of canine apolipoprotein by acid proteases in canine liver lysosomes. 1976 , 422, 380-9	11
1466	Reaction of rhodanese with dithiothreitol. 1976 , 445, 104-11	25
1465	Chromatographic and other properties of the estrogen receptors from human myometrium. 1976 , 7, 185-97	22
1464	The effect of cryogenic storage on human erythrocyte membrane proteins as determined by polyacrylamide-gel electrophoresis. 1976 , 13, 395-403	6
1463	A note on the effect of dithiothreitol (DTT) on the depolarization of isolated sympathetic ganglia by carbachol and bromo-acetylcholine. 1976 , 56, 128-30	20
1462	Influence of group selective reagents in tissues containing alpha- and beta-adrenoceptors. 1976 , 36, 41-8	21
1461	Nitrogenase of <i>Azotobacter chroococcum</i> . Kinetics of the reduction of oxidized iron-protein by sodium dithionite. 1976 , 155, 137-44	36
1460	Studies on the cholesterol ester hydrolase of <i>Trogoderma</i> (Coleoptera). 1976 , 157, 111-6	0

1459 References. **1976**, 573-585

1458 The role of disulphide bonds in Heinz body attachment to membranes. **1976**, 33, 371-8

5

1457 A simple technique for the inactivation of IgM antibodies using dithiothreitol. **1976**, 30, 149-59

78

1456 Amino-acid sequence of a coelenterate toxin: toxin II from *Anemonia sulcata*. **1976**, 68, 193-8

76

1455 The Neurohypophysial Hormone-Binding Proteins: Complete Amino-Acid Sequence of Ovine and Bovine MSEL-Neurophysins. **1976**, 69, 475-485

42

1454 Enzyme reduction of disulfide bonds by thioredoxin. The reactivity of disulfide bonds in human choriogonadotropin and its subunits. **1976**, 70, 377-83

41

1453 Effect of ultraviolet radiation on pinocytosis in *Amoeba proteus*. **1976**, 96, 456-70

4

1452 N-propyldihydrolipoamide glass beads. An immobilized reducing agent. **1976**, 453, 277-84

7

1451 Morphological changes induced by -SH reagents in rod photoreceptor outer segments. **1976**, 171, 253-8

7

1450 The effects of sulfhydryl reducing and modifying agents on aminoacyl-tRNA synthetases from calf liver. **1976**, 11, 109-12

0

1449 The extracellular metalloprotease of *Serratia marcescens*: I. Purification and characterization. **1976**, 13, 95-100

23

1448 Legumin and vicilin, storage proteins of legume seeds. **1976**, 15, 3-24

790

1447 Identity of a peritoneal fluid immunoglobulin light chain and the amyloid fibril in primary amyloidosis. **1976**, 19, 755-9

12

1446 Differential gene expression in multilocus isozyme systems of the developing green sunfish. **1976**, 196, 263-81

52

1445 Reduction of disulfide-containing amines amino acids, and small peptides. **1976**, 75, 674-5

49

1444 S-Methylation of cysteine residues in peptides and proteins with dimethylsulfate. **1976**, 74, 359-68

11

1443 An improved color reagent for use in Barrett's assay of Cathepsin B. **1976**, 76, 374-6

89

1442 Hemoglobin Riyadh--alpha2beta2 (120(GH3)Lys replaced by Asn). A new variant found in association with alpha-thalassemia and iron deficiency. **1976**, 1, 59-74

36

1441	The microsporidian spore invasion tube. The ultrastructure, isolation, and characterization of the protein comprising the tube. 1976 , 71, 23-34	82
1440	Studies on the nature of a prostaglandin receptor in canine and rabbit vascular smooth muscle. 1976 , 39, 66-76	16
1439	Oxidative Nebenreaktionen bei der Dansylierung von SH-Verbindungen. 1976 , 357, 225-232	12
1438	Disulfides and Polysulfides. 1977 , 303-382	30
1437	Biologically important thiol-disulfide reactions and the role of cyst(e)ine in proteins: an evolutionary perspective. 1977 , 86A, 1-30	28
1436	Hydrogen peroxide involvement in the rhodanese inactivation by dithiothreitol. 1977 , 78, 596-603	53
1435	Experimental determination of activation potentials of CK-isoenzymes in human serum and their significance. 1977 , 78, 648-54	2
1434	Effect of dithiothreitol on mercuric chloride- and uranyl nitrate-induced acute renal failure in the rat. 1977 , 12, 115-21	34
1433	Recovery and identification of anaerobes in veterinary medicine: A 2-year experience. 1977 , 2, 237-252	13
1432	In vitro and in vivo Immune Response to Specific Antigens in Canine Marrow Graft Recipients. 1977 , 153, 152-161	1
1431	Regenerable Bacterial Membrane Electrode for L-Aspartate. 1977 , 10, 751-758	54
1430	Polyfunctional Radiosensitizers: II. Interaction of the Biradical (Ro 03-6061) with Reducing Species. 1977 , 71, 516	6
1429	Protein response of silver sulfide crystal membrane electrodes. 1977 , 49, 41-4	21
1428	Isopentenyl pyrophosphate isomerase from pig liver. 1977 , 184, 381-90	33
1427	Phosphohistidine as a stoichiometric intermediate in reactions catalyzed by isoenzymes of wheat germ acid phosphatase. 1977 , 183, 250-9	52
1426	A method for enhancing the stability of thiol-containing enzymes immobilised on nylon. 1977 , 79, 141-7	4
1425	Reductive cleavage of cystine disulfides with tributylphosphine. 1977 , 47, 111-6	195
1424	Energetics of folding and unfolding of pancreatic trypsin inhibitor. 1977 , 113, 295-312	86

1423	Effects of urea and guanidine-HCl on the folding and unfolding of pancreatic trypsin inhibitor. 1977 , 113, 313-28	78
1422	Kinetics of refolding of reduced ribonuclease. 1977 , 113, 329-41	115
1421	Interaction of captan and folpet with mammalian DNA and histones. 1977 , 7, 531-546	16
1420	Intramolecular disulfide linked alphabeta and alphaalpha in oxidized tropomyosin: separation, identification, and process of formation. 1977 , 81, 923-31	7
1419	Biosynthesis of irregular monoterpenes in extracts from higher plants. 1977 , 16, 85-92	30
1418	[Determination of the primary structure of alfalfa mosaic virus (strain S) coat protein. II. Complete sequence of the protein (author's transl)]. 1977 , 492, 267-83	6
1417	Rapid zymogen activation and isolation of serine proteases from an individual mouse pancreas by affinity chromatography: genetical heterogeneity of chymotrypsins of <i>Mus musculus</i> . 1977 , 490, 1-18	14
1416	Significance of the maillet method (ZIO) for cytochemical studies of subcellular structures. 1977 , 33, 1-10	34
1415	Störung der amperometrischen Titration von SH-Gruppen mit AgNO ₃ durch Clelands Reagens. 1977 , 285, 43-44	
1414	The Influence of a Strong Reducing Agent upon the Initiation of Callus from the Germinating Seedlings of <i>Gossypium barbadense</i> . 1977 , 40, 98-100	6
1413	Activation of the guanylate cyclase-guanosine 3'5' monophosphate system of colonic mucosa by n-methyl-n'-nitro-n-nitrosoguanidine. 1977 , 40, 2600-8	14
1412	The histochemistry of thiols and disulphides. II. Methodology of differential staining. 1978 , 10, 585-95	23
1411	Sulfite formation by wine yeasts. 1978 , 118, 243-247	6
1410	Ischemic effect on CoASH and acetyl-CoA concentration levels in cerebrum, cerebellum and liver of mice. 1978 , 31, 1545-8	14
1409	Isolation and characterization of glycoproteins from canine tracheal mucus. 1978 , 536, 184-96	27
1408	Syntheses of 5-amino-3-(β-ribofuranosyl)imidazo [4,5-b] pyridin-7-one (1-deazaguanosine) and related nucleosides. 1978 , 15, 839-847	6
1407	Dithiols simulate endotoxin in the <i>Limulus</i> reaction. 1978 , 34, 1154-5	5
1406	Purification and characterization of the 45,000-Dalton fragment from tryptic digestion of (Ca ²⁺ + Mg ²⁺)-adenosine triphosphatase of sarcoplasmic reticulum. 1978 , 44, 289-301	17

1405	Characterisation of cathepsin B and collagenolytic cathepsin from human placenta. 1978 , 83, 87-97	59
1404	beta-Lapachone, an inhibitor of oncornavirus reverse transcriptase and eukaryotic DNA polymerase-alpha. Inhibitory effect, thiol dependence and specificity. 1978 , 84, 197-205	49
1403	Oxidation of sulfhydryl groups in lactate dehydrogenase under high hydrostatic pressure. 1978 , 86, 219-24	27
1402	Amino-acid sequence of toxin I from <i>Anemonia sulcata</i> . 1978 , 89, 11-7	55
1401	CALCIFICATION AND CATION SORPTION OF CLADOPHOHA GLOMERATA (CHLOROPHYTA)1, 2. 1978 , 14, 325-329	15
1400	SUPEROXIDE AND PEROXIDASE-CATALYSED REACTIONS. OXIDATION OF DIHYDROXYFUMARATE, NADH AND DITHIOHREITOL BY HORSERADISH PEROXIDASE*. 1978 , 28, 757-762	53
1399	DISUSSION. 1978 , 28, 762-763	
1398	Kinetic study of denaturation and subsequent reduction of disulfide bonds of lysozyme by the rapid ultrasonic absorption measurement. 1978 , 17, 2159-69	6
1397	Sulfhydryl and disulfide groups in meats. 1978 , 24, 1-111	56
1396	The mechanism of the neocarzinostatin-induced cleavage of DNA. 1978 , 81, 99-105	22
1395	Aryl hydrocarbon hydroxylase in an insect, <i>Spodoptera eridania</i> (cramer). 1978 , 59, 87-93	1
1394	Ultrastructure of partially decondensed human spermatozoal chromatin. 1978 , 63, 178-87	67
1393	Early steps in the refolding reaction of reduced ribonuclease A. 1978 , 118, 331-45	27
1392	Polymerization of human immunoglobulin M. <i>Biochemistry</i> , 1978 , 17, 3209-14	3.2 13
1391	High molecular weight protein aggregates in x-ray-induced cataract. 1978 , 26, 507-19	43
1390	<i>Trypanosoma cruzi</i> : isolation and characterization of a protease. 1978 , 45, 8-18	45
1389	Regulation of protein synthesis by hemin: effect of dithiothreitol on the formation and activity of the hemin-controlled translational repressor. 1978 , 520, 642-9	18
1388	Coupled oxidation of NADPH with thiols at neutral pH. 1978 , 191, 351-7	23

1387	Specific [3H]quinuclidinyl benzilate binding activity in digitonin-solubilized preparations from bovine brain. 1978 , 190, 434-45	82
1386	Enhancement of bovine pancreatic ribonuclease activity by mercaptoethanol. 1978 , 199, 1084-7	7
1385	Aspects of turnover and biogenesis of synaptic vesicles at locust neuromuscular junctions as revealed by zinc iodide-osmium tetroxide (ZIO) reacting with intravesicular SH-groups. 1978 , 78, 839-55	68
1384	Oxidation of thiol compounds by catalase and peroxidase in the presence of manganese(II) and phenols [proceedings]. 1978 , 6, 1343-5	10
1383	Effects of dithiothreitol on end-plate currents. 1978 , 276, 403-17	26
1382	Purification and characterization of beta-D-mannosidase and beta-N-acetyl-D-hexosaminidase of <i>Tremella fuciformis</i> . 1978 , 83, 1135-44	20
1381	Current concepts on the pathophysiology of acute renal failure. 1978 , 234, F171-81	41
1380	High Molecular Weight Protein Aggregates in X-Ray-Induced Cataract: Evidence for the Involvement of Disulfide Bonds. 1978 , 12, 94-104	3
1379	Anaphylactic release of a basophil kallikrein-like activity. I. Purification and characterization. 1979 , 64, 457-65	52
1378	Association of Latent Cellulase Activity with a Membrane Fraction from Vegetative Hyphae of <i>Achlya Ambisexualis</i> . 1979 , 71, 1227-1239	8
1377	Association of Latent Cellulase Activity with a Membrane Fraction from Vegetative Hyphae of <i>Achlya ambisexualis</i> . 1979 , 71, 1227	2
1376	Acetylcholine receptor of <i>Limnaea stagnalis</i> neurones. Study of the active site functional groups. 1979 , 49, 293-302	1
1375	Purification and some properties of uridine diphosphate N-acetylglucosamine pyrophosphorylase from <i>Neurospora crassa</i> . 1979 , 25, 1381-6	9
1374	Effect of thiols on macroconidia of <i>Fusarium sulphureum</i> . 1979 , 25, 618-27	4
1373	Argininosuccinase from bovine brain: isolation and comparison of catalytic, physical, and chemical properties with the enzymes from liver and kidney. 1979 , 95, 139-55	17
1372	A chromatographic method for the quantitative analysis of the deprotection of dithiasuccinoyl (Dts) amino acids. 1979 , 95, 160-70	27
1371	Determination of CoASH by high-performance liquid chromatography and its application in the assay of long-chain acyl-CoA derivatives. 1979 , 96, 181-8	36
1370	Synthesis of choline and ethanolamine phospholipids with thiophosphoester bonds as substrates for phospholipase C. 1979 , 25, 369-80	36

1369	Structure, function, and antigenicity of cholera toxin. 1979 , 10, 137-49	20
1368	Effects of dithiothreitol on dopa oxidase activity from potato tubers. 1979 , 18, 729-733	4
1367	On the nature of sickle-cell disease in the Arabian Peninsula. 1979 , 52, 323-35	15
1366	Affinity chromatography of the beta-adrenergic receptor from turkey erythrocytes. 1979 , 98, 543-56	38
1365	Stimulation of septation in mitochondria by diamide, a thiol oxidising agent. 1979 , 203, 291-300	9
1364	Studies on potato proteins. 1979 , 56, 415-425	15
1363	Experimental studies of protein folding and unfolding. 1978 , 33, 231-97	434
1362	Practical considerations in the design of initial velocity enzyme rate assays. 1979 , 63, 3-22	65
1361	Isolation and partial characterisation of a lethal neurotoxin from the venom of the Australian death adder (<i>Acanthophis antarcticus</i>). 1979 , 17, 609-16	19
1360	Comparison of thyroxine and 3,3',5'-triiodothyronine metabolism in rat kidney and liver homogenates. 1979 , 28, 1139-46	27
1359	Associative properties of butyryl-coenzyme A synthetase from ox liver mitochondria. 1979 , 569, 70-81	6
1358	Vicinal relationships between the major structural proteins of murine mammary tumor virus. 1979 , 96, 249-57	15
1357	Molecular interactions at the cholinergic receptor in neuromuscular blockade. 1979 , 16, 257-86	3
1356	Delineation of fucosyltransferase activities with thiol reagents. 1979 , 181, 767-9	4
1355	Higher molecular weight forms of immunoreactive somatostatin in mouse hypothalamic extracts: evidence of processing in vitro. 1979 , 76, 6004-8	77
1354	Chemical production of essential Cheddar flavour compounds. 1979 , 46, 531-537	51
1353	A covalently bound photoisomerizable agonist: comparison with reversibly bound agonists at Electrophorus electroplaques. 1980 , 75, 207-32	125
1352	Differences in organizational structure of insulin receptor on rat adipocyte and liver plasma membranes: role of disulfide bonds. 1980 , 77, 4692-6	68

- 1351 Studies on the pathophysiology of acute renal failure. IV. Protective effect of dithiothreitol following administration of mercuric chloride in the rat. **1980**, 32, 201-32 24
- 1350 Préparation de cellules isolées de mesophylle de *Valerianella olitoria* Poll, et étude de leur aptitude à l'absorption du 3-O-méthyl-D-glucose. **1980**, 22, 192-204
- 1349 Effects of chemical group specific reagents on sodium entry and the amiloride binding site in frog skin: evidence for separate sites. **1980**, 56, 149-58 23
- 1348 Effect of dithiothreitol on tissue-specific uncoupling of oxidative phosphorylation by rat liver mitochondria. **1980**, 90, 1375-1377
- 1347 High-affinity uptake system for cysteine in crude synaptosomal fractions of rat cerebral cortex. **1980**, 5, 507-14 6
- 1346 Antioxidants in purification, stabilization, and formulation of the antineoplastic agent 6-selenoguanosine. **1980**, 69, 1168-70 4
- 1345 Chemical and electrophoretic properties of solubilizable disulfide gels. **1980**, 105, 192-201 54
- 1344 Disulfide bonds in acetylcholine receptors of frog sympathetic ganglion neurons. **1980**, 11, 445-451
- 1343 The refolding of denatured rabbit muscle creatine kinase. **1980**, 621, 305-14 43
- 1342 Effects of sulfhydryl reagents on phagocytosis and exocytosis in rabbit polymorphonuclear leukocytes. **1980**, 30, 139-49 23
- 1341 Cysteine and methionine-precursors of methyl sulphone metabolites of 2,4',5-trichlorobiphenyl in mice. **1980**, 31, 65-71 19
- 1340 Reduction of DL-selenocystine and isolation of L-selenocystine. **1980**, 12, 343-51 15
- 1339 Catecholamine-sensitive guanylate cyclase from human caudate nucleus. **1980**, 35, 1418-30 13
- 1338 Inhibition by botulinum toxin of acetylcholine release from synaptosomes: latency of action and the role of gangliosides. **1980**, 34, 1567-73 21
- 1337 Rapid post-ejaculatory inhibitory effect of seminal plasma on sperm nuclear chromatin decondensation ability in man. **1980**, 109, 69-72 15
- 1336 Calorimetric Study of the Reduction of the Disulfide Bonds in Insulin1. **1980**,
- 1335 Hämoglobine,XXXV. Die Sequenz der α - und β -Ketten der Hämoglobine des Karpfens (*Cyprinus carpio* L.). **1980**, 361, 1629-1640 31
- 1334 Sulfhydryl oxidation using procedures and experimental conditions commonly used for *Treponema pallidum*. **1980**, 56, 129-36 7

1333	Physical and Chemical Properties of Amino Acids. 1980 , 225-269		7
1332	Opiate receptor function may be modulated through an oxidation-reduction mechanism. 1980 , 208, 1171-3		66
1331	Catalysis by protein-disulphide isomerase of the unfolding and refolding of proteins with disulphide bonds. 1980 , 142, 43-62		163
1330	Role of the environment in the refolding of reduced pancreatic trypsin inhibitor. 1980 , 144, 521-50		42
1329	Rates of thiol-disulfide interchange reactions involving proteins and kinetic measurements of thiol pKa values. <i>Biochemistry</i> , 1980 , 19, 4156-66	3.2	165
1328	Kinetics and mechanism of the thiolytic removal of the dithiasuccinoyl (Dts) amino protecting group. 1980 , 102, 3084-3095		37
1327	A model for the activation and inactivation of neocarzinostatin, an antitumor protein. 1980 , 608, 138-46		7
1326	Mitochondrial ATP:AMP phosphotransferase from beef heart: purification and properties. 1980 , 103, 481-91		66
1325	Electrophysiological experiments with photoisomerizable cholinergic compounds: review and progress report. 1980 , 346, 475-90		31
1324	PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY. 1980 , 69, 265P-348P		
1323	Investigation of acetylcholine receptors by the method of chemical modification. 1980 , 11, 19-25		2
1322	A new anaerobic blood culture medium: Laboratory evaluation. 1980 , 248, 392-401		
1321	Composition and properties of the cell wall of <i>Methanospirillum hungatii</i> . 1980 , 26, 115-20		42
1320	Folding of ribonuclease, S-protein, and des(121-124)-ribonuclease during glutathione oxidation of the reduced proteins. <i>Biochemistry</i> , 1980 , 19, 996-1004	3.2	42
1319	Regeneration of ribonuclease A from the reduced protein. 1. Conformational analysis of the intermediates by measurements of enzymatic activity, optical density, and optical rotation. <i>Biochemistry</i> , 1980 , 19, 1308-16	3.2	44
1318	Circular dichroism spectroscopy of bovine pancreatic trypsin inhibitor and five altered conformational states. Relationship of conformation and the refolding pathway of the trypsin inhibitor. <i>Biochemistry</i> , 1981 , 20, 5744-54	3.2	88
1317	Effects of protein modification procedures on the interaction between 25-hydroxyvitamin D and the human plasma binding protein for vitamin D and its metabolites. <i>Biochemistry</i> , 1981 , 20, 5881-7	3.2	14
1316	Diphenylhydantoin-induced block of the rat phrenic nerve-diaphragm preparation pretreated with p-hydroxymercuribenzoate. 1981 , 70, 175-82		1

1315	Diamide, temperature and spontaneous transmitter release at the neuromuscular junction: stimulation of exocytosis by a direct effect on membrane fusion?. 1981 , 70, 203-11	16
1314	Mechanism of the inhibitory action of capsaicin on energy metabolism by rat liver mitochondria. 1981 , 30, 735-40	22
1313	Activation of rat brain adenylate cyclase by copper plus dithiothreitol. 1981 , 30, 171-4	7
1312	The effect of diamide on transmitter release and on synaptic vesicle population at vertebrate synapses. 1981 , 225, 357-72	10
1311	Purification and characterization of a toxin from brown recluse spider (<i>Loxosceles reclusa</i>) venom gland extracts. 1981 , 19, 677-89	30
1310	Refolding of S-methylmethionyl basic pancreatic trypsin inhibitor. 1981 , 146, 375-87	9
1309	The primary structure of crotalase, a thrombin-like venom enzyme, exhibits closer homology to kallikrein than to other serine proteases. 1981 , 99, 715-21	47
1308	Role of sulfhydryl oxidation in adipocyte plasma membrane surface in the response of adenylate cyclase to isoproterenol and glucagon. 1981 , 677, 339-49	18
1307	Quality of Alfalfa Protein Concentrate with Changes in Processing Conditions During Coagulation. 1981 , 64, 1561-1570	5
1306	Storage and maintaining activity of ribulose biphosphate carboxylase/oxygenase. 1981 , 67, 1220-3	20
1305	Evidence for Sulfhydryl Involvement in Regulation of Phytoalexin Accumulation in <i>Trifolium repens</i> Callus Tissue Cultures. 1981 , 68, 1323-6	34
1304	Bimane-labelled pepstatin, a fluorescent probe for the subcellular location of cathepsin D. 1981 , 199, 611-7	17
1303	LDH in gastric juice and its limitation in the diagnosis of gastric cancer. 1981 , 18, 364-7	3
1302	Use of Sputolysin form liquefaction of viscid human semen. 1981 , 35, 657-61	15
1301	Glutathione reductase from human erythrocytes: amino-acid sequence of the structurally known FAD-binding domain. 1981 , 120, 407-19	69
1300	(4R,5R)-1,2-Dithiane-4,5-diol. 1981 , 37, 1437-1439	5
1299	Structure of p-hydroxyephedrine hydrochloride. 1981 , 37, 1439-1441	5
1298	Spectroscopic investigations of peptide 401 from bee venom. 1981 , 20, 373-385	16

1297	Mechanism of growth promotion of mouse lymphoma L1210 cells in vitro by feeder layer or 2-mercaptoethanol. 1981 , 107, 283-93	100
1296	Hormone-sensitive cAMP phosphodiesterase in liver and fat cells. 1982 , 42, 109-16	31
1295	PARTIAL CHARACTERIZATION OF TRYPSIN-CHYMOTRYPSIN INHIBITORS FROM BEAN (PHASEOLUS VULGARIS L., VAR. ROSINHA G2): CHEMICAL AND PHYSICAL PROPERTIES. 1981 , 5, 215-232	10
1294	New inhibitors of complement fixation. 1981 , 3, 137-45	
1293	Separation of the oxidized and reduced forms of dithiothreitol and 2-mercaptoethanol by reversed-phase high-performance liquid chromatography: application of the method to biological extracts and to the determination of disulphides. 1981 , 210, 522-6	8
1292	Serine-selective membrane probe based on immobilized anaerobic bacteria and a potentiometric ammonia gas sensor. 1981 , 128, 121-127	24
1291	Zusammenhänge zwischen der Reduktion von Disulfidbindungen und der Molekulargewichtsverteilung bei Weizenkleber. 1981 , 172, 182-184	4
1290	The function of ascorbate with respect to prolyl 4-hydroxylase activity. 1981 , 657, 159-67	35
1289	Kinetic correlations between the disulfide bond reduction and the induced conformational change of proteins. 1981 , 668, 89-97	7
1288	Metabolic studies of HgCl ₂ -induced acute renal failure in the rat. 1981 , 35, 14-24	15
1287	A kinetic method for determining iron reducing activity released from plant roots. 1981 , 3, 615-623	4
1286	The Reactivity of Human Hair. A Review. 1981 , 479-500	11
1285	Effects of plant age and extraction conditions on the properties of homoserine dehydrogenase isolated from maize seedlings. 1981 , 68, 1395-9	10
1284	Protein Purification. 1982 ,	171
1283	beta, gamma-Peroxy analogs of adenosine and guanosine triphosphate: synthesis and biological activity. 1982 , 215, 81-2	8
1282	12 Pancreatic Ribonuclease. 1982 , 15, 317-433	140
1281	Liver-specific acid-soluble proteins that accompany nucleosomal-core histones but which have higher molecular weights and a lower content of basic amino acids. 1982 , 10, 95-96	
1280	ATP-stimulated breakdown of polylysine in rabbit reticulocyte cell-free extracts: differential effects according to substrate molecular weight. 1982 , 10, 96-97	2

1279	Ribulose-1,5-bisphosphate carboxylase/oxygenase from spinach, tomato, or tobacco leaves. 1982 , 90 Pt E, 515-21	57
1278	Bimane: a new fluorescent label for univalent antigen-binding fragments of IgG. 1982 , 51, 307-9	4
1277	A new type of toxin in the venom of snakes of the genus <i>Atractaspis</i> (Atractaspidinae). 1982 , 20, 581-92	77
1276	Effects of dithiothreitol, 5,5'-dithiobis(2-nitrobenzoic acid) and N-ethylmaleimide on synaptic transmission at sympathetic ganglion cells of frog. 1982 , 21, 1365-73	
1275	Stability of the endo-beta-1,4-glucanase and beta-1,4-glucosidase from <i>Bacteroides succinogenes</i> . 1982 , 28, 144-8	28
1274	Inactivation of angiotensin II receptors in bovine adrenal cortex by dithiothreitol: further evidence for the essential nature of disulfide bonds. 1982 , 31, 1903-6	30
1273	Reversal of copper-induced inhibition of vasopressin responsiveness by reducing agents. 1982 , 685, 203-6	2
1272	The slow, tight-binding inhibition of cathepsin B by leupeptin. A hysteretic effect. 1982 , 129, 33-41	79
1271	Use of intravenous gamma-globulin in antibody immunodeficiency: results of a multicenter controlled trial. 1982 , 22, 60-7	111
1270	Promotion of capacitation of guinea pig spermatozoa by the membrane mobility agent, A2C, and inhibition by the disulfide-reducing agent, DTT. 1982 , 5, 19-33	29
1269	Actin, a possible quantitative indicator for the quality of meat products. 1982 , 175, 406-409	3
1268	A labile, Ca ²⁺ -dependent cytoskeleton in rhabdomeral microvilli of blowflies. 1982 , 223, 553-73	67
1267	Novel alkyl alkanethiolsulfonate sulfhydryl reagents. Modification of derivatives of l-cysteine. 1982 , 1, 47-58	92
1266	Effects of Ag ⁺ on ion transport by the corneal epithelium of the rabbit. 1982 , 66, 133-44	24
1265	Effects of dithiothreitol on the isolated rabbit mesenteric artery. 1982 , 12, 443-9	2
1264	Assay of the enzymatic hydrolysis of pantetheine. 1982 , 122, 213-22	38
1263	The radiolysis of aqueous solutions containing dithiothreitol and oxidized dithiothreitol. 1982 , 19, 417-426	9
1262	Reaction of a cyclic hydroxamic acid from gramineae with thiols. 1982 , 21, 2287-2289	31

1261	481 Redox potential-dependent ATP synthesis in darkness in spinach chloroplasts. 1982 , 9, 157-166	8
1260	Analysis of 6-mercaptopurine in human plasma with a high-performance liquid chromatographic method including post-column derivatization and fluorimetric detection. 1982 , 233, 249-55	15
1259	Mutual inhibition of L-cystine/L-cysteine and other neutral amino acids during tubular reabsorption. A microperfusion study in rat kidney. 1982 , 395, 190-5	24
1258	Reexamination of the interplay between dibasic amino acids and L-cystine/L-cysteine during tubular reabsorption. 1982 , 395, 196-200	14
1257	Enhancing effect of pre-treatment of cells with misonidazole in hypoxia on their response to melphalan in air. 1982 , 46, 117-26	11
1256	ATP-AMP phosphotransferase from <i>Paracoccus denitrificans</i> . 1983 , 136, 523-9	10
1255	The effect of pH and 1,4-dithiothreitol on the adhesion of rumen bacteria. 1983 , 28, 130-3	8
1254	Dithiothreitol, a disulfide-reducing agent, inhibits capacitation, acrosome reaction, and interaction with eggs by guinea pig spermatozoa. 1983 , 7, 145-154	30
1253	Amelioration of mercuric chloride-induced acute renal failure by dithiothreitol. 1983 , 70, 459-66	20
1252	Investigations of trypsin inhibitors in leaves of four North American prairie grasses. 1983 , 9, 247-57	6
1251	A study of bend formation in locally reactivated hamster sperm flagella. 1983 , 4, 625-45	15
1250	An alkaline protease inhibitor from <i>Hevea brasiliensis</i> latex. 1983 , 22, 633-639	4
1249	An empirical approach to protein conformation stability and flexibility. 1983 , 22, 49-58	112
1248	The determination of D-penicillamine and its disulphide in plasma by reversed-phase ion-pair high-performance liquid chromatography. 1983 , 1, 65-72	14
1247	Evolutionary conservation and variation of protein folding pathways. Two protease inhibitor homologues from black mamba venom. 1983 , 168, 409-37	61
1246	Enhancement of excitant amino acid release from rat brain slices by the convulsant 3-mercaptopropionic acid. 1983 , 258, 165-9	8
1245	Electrochemical enhancement of contrast ratio in fluorescent liquid crystal cells. 1983 , 54, 429-430	
1244	Inactivation of the beta-adrenergic receptor in skeletal muscle by dithiols. 1983 , 32, 509-15	27

1243	Ethacrynic acid inhibition of histamine release from rat mast cells: effect on cellular ATP levels and thiol groups. 1983 , 92, 181-9	3
1242	The regulation of smooth muscle contractile proteins. 1983 , 41, 1-41	100
1241	Hemoglobin Leiden [beta 6 or 7 (A3 or A4) Glu leads to O] in a Yugoslavian woman arisen by a new mutation. 1983 , 7, 271-7	3
1240	The effect on butyryl-CoA dehydrogenase of reagents specific for nucleophilic sulphur. 1983 , 211, 559-66	1
1239	Reversible sensitization and desensitization of carnitine palmitoyltransferase I to inhibition by malonyl-CoA in isolated rat liver mitochondria. Significance for the mechanism of malonyl-CoA-induced sensitization. 1983 , 214, 1027-30	21
1238	Potential in various agonists-induced contractions of rabbit mesenteric artery by sulfhydryl reagents. 1983 , 33, 145-54	4
1237	Alterations in pharmacological receptor activities of rabbit arteries by sulfhydryl reagents. 1983 , 33, 227-40	10
1236	References. 1983 , 11, 356-382	
1235	Anaerobic Methods, Techniques and Principles for Food Bacteriology: A Review. 1983 , 46, 811-822	15
1234	POTENTIATION IN VARIOUS AGONISTS-INDUCED CONTRACTIONS OF RABBIT MESENTERIC ARTERY BY SULFHYDRYL REAGENTS. 1983 , 33, 145-154	0
1233	ALTERATIONS IN PHARMACOLOGICAL RECEPTOR ACTIVITIES OF RABBIT ARTERIES BY SULFHYDRYL REAGENTS. 1983 , 33, 227-240	
1232	Purification, Characterization, and Fractionation of the delta-Aminolevulinic Acid Synthesizing Enzymes from Light-Grown Chlamydomonas reinhardtii Cells. 1984 , 74, 569-75	89
1231	New Approach to Antibodies Directed at High Frequency Kell and Cartwright Antigens Using DTT-Modified RBCs. 1984 , 15, 607-608	
1230	Redox reactions of hydrogen selenide ion. 1984 , 92, 33-36	17
1229	Reversed-phase high-performance liquid chromatography of reduced glutenin, a disulfide-bonded protein of wheat endosperm. 1984 , 299, 185-199	44
1228	The protective effects of thiol-containing compounds on mercuric chloride-induced acute inhibition of enzymes from mouse kidney. 1984 , 29, 207-20	16
1227	Composition of a suppressor factor that inhibits the immune response to lactate dehydrogenase B. 1984 , 20, 113-23	7
1226	The hardening process of the egg chorion of the cod, Gadus morhua L., and lumpsucker, Cyclopterus lumpus L.. 1984 , 24, 505-522	44

1225	Synthesis of 6-thiosucrose, and an improved route to 6-deoxysucrose. 1984 , 132, 173-7	15
1224	Factors affecting the labeling of human fibrinogen with ^{99m} Tc in vitro. 1984 , 35, 99-102	2
1223	Effects of NADH and thiol compounds on wheat leaf nitrate reductase. 1984 , 23, 719-721	5
1222	Conformation of cyclic disulfides: The twinned layered structure of (1R,2S,7R,8S)-1,2,7,8-tetrahydroxy-4,5,10,11-tetrathiacyclododecane. 1984 , 14, 303-314	1
1221	Regulation by sulfhydryl groups of glyceollin accumulation in soybean hypocotyls. 1984 , 160, 314-9	24
1220	Efficiency of hydrogen photoproduction by photosystem I-enriched subchloroplast vesicles combined with <i>Proteus mirabilis</i> cells. Effects of some exogenous electron donors. 1984 , 5, 335-46	1
1219	The complete amino acid sequence of hirudin, a thrombin specific inhibitor. 1984 , 165, 180-184	123
1218	Reaction detector system for the simultaneous monitoring of primary amino groups and sulfhydryl groups in peptides eluted by high-performance liquid chromatography. 1984 , 297, 261-70	4
1217	A modified Lowry assay to measure levels of proteins lacking aromatic amino acid residues (e.g. metallothioneins). 1984 , 78, 351-3	2
1216	Reduced PLD repair ability in glutathione synthetase deficient human fibroblasts after UV irradiation. 1984 , 46, 375-82	1
1215	Characterization of the aromatic proton magnetic resonance spectrum of crambin. <i>Biochemistry</i> , 1984 , 23, 4799-807	3.2 3
1214	Importance of disulfide bonds in receptors for vasoactive intestinal peptide and secretin in rat pancreatic plasma membranes. 1984 , 773, 271-8	38
1213	Kinetic role of a meta-stable native-like two-disulphide species in the folding transition of bovine pancreatic trypsin inhibitor. 1984 , 179, 497-526	289
1212	Disulfide bond formation in proteins. 1984 , 107, 305-29	162
1211	Enzymatic reduction-oxidation of protein disulfides by thioredoxin. 1984 , 107, 295-300	122
1210	Mechanism of reduction of <i>Corynebacterium</i> sarcosine oxidase by dithiothreitol. 1984 , 95, 1201-7	7
1209	Zinc concentration and progesterin receptor in human benign hyperplastic prostate. 1984 , 132, 367-71	1
1208	LYSOSOMAL ENZYME ACTIVITY IN MIDDLE EAR EFFUSIONS. 1984 , 87, 596-602	

1207	The distribution in sucrose density gradients of nitrate reductase from leaves of <i>Hordeum vulgare</i> . 1984 , 3, 146-152	4
1206	Evidence for the participation of disulfide and sulfhydryl groups in the specific binding of [3H]prazosin in cerebral cortex. 1985 , 10, 107-22	9
1205	Assay of 6-mercaptopurine in human plasma. 1985 , 345, 441-6	17
1204	The determination of thiols and related compounds using high-performance liquid chromatography. 1985 , 3, 3-27	51
1203	Properties and reactivation of two different deactivated forms of <i>Desulfovibrio gigas</i> hydrogenase. 1985 , 832, 69-79	158
1202	Reversible covalent immobilization of ligands and proteins on polyacrylamide gels. 1985 , 151, 268-81	17
1201	Effect of salts and other agents on foot-and-mouth disease virus poly (U) polymerase activity. 1985 , 84, 269-75	4
1200	<i>Clostridium colinum</i> sp. nov., nom. rev., the Causative Agent of Ulcerative Enteritis (Quail Disease) in Quail, Chickens, and Pheasants. 1985 , 35, 155-159	24
1199	Radioprotective effect of cysteamine in glutathione synthetase-deficient cells. 1986 , 49, 85-101	11
1198	Hg ²⁺ -induced contracture in mechanically skinned fibers of frog skeletal muscle. 1985 , 63, 1070-4	17
1197	Survival curves of glutathione synthetase deficient human fibroblasts: correlation between radiosensitivity in hypoxia and glutathione synthetase activity. 1985 , 48, 525-43	7
1196	Radiosensitizing and cytotoxic properties of misonidazole on glutathione synthetase deficient human fibroblasts. 1985 , 48, 213-21	
1195	Reduced repair of potentially lethal radiation damage in glutathione synthetase-deficient human fibroblasts after X-irradiation. 1986 , 49, 403-13	6
1194	Spectroscopic studies of metal ion binding to a tryptophan-containing parvalbumin. <i>Biochemistry</i> , 1985 , 24, 4991-7	3.2 41
1193	Effects of mercaptans upon dihydropyridine binding sites on transverse tubules isolated from triads of rabbit skeletal muscle. 1985 , 127, 205-12	19
1192	Recurrent otitis media: genetic immunoglobulin markers in children and their parents. 1985 , 9, 219-25	21
1191	Interactions of Radioprotectors and Oxygen in Cultured Mammalian Cells: I. Dithiothreitol Effects on Radiation-Induced Cell Killing. 1985 , 101, 424	22
1190	Membrane polypeptide in rabbit erythrocytes associated with the inhibition of L-lactate transport by a synthetic anhydride of lactic acid. <i>Biochemistry</i> , 1985 , 24, 561-4	3.2 30

1189	Effect of sulfhydryl-disulfide state on protein phosphorylation: phosphorylation of bovine serum albumin. 1985 , 239, 163-71	10
1188	Evidence of essential disulfide bonds in angiotensin II binding sites of rabbit hepatic membranes. Inactivation by dithiothreitol. 1985 , 813, 103-10	9
1187	The characterization of [3H]sulpiride binding sites in pig striatal membranes. 1985 , 34, 2905-9	1
1186	Regulation of NADP-malate dehydrogenase in C4 plants: effect of varying NADPH to NADP ratios and thioredoxin redox state on enzyme activity in reconstituted systems. 1986 , 249, 164-70	61
1185	Methodologies for the application of monobromobimane to the simultaneous analysis of soluble and protein thiol components of biological systems. 1986 , 13, 231-49	202
1184	Separation of alcohol-soluble maize proteins by reversed-phase high performance liquid chromatography. 1986 , 4, 205-216	22
1183	Multiple hemoglobins in <i>Triturus cristatus</i> : their study by analytical isoelectrofocusing. 1986 , 83, 475-81	3
1182	Apparent and real variability in the presence and metal contents of metallothioneins in the crab <i>Carcinus maenas</i> including the effects of isolation procedure and metal induction. 1986 , 83, 157-177	15
1181	Two metallothioneins in the shore crab <i>Carcinus maenas</i> . 1986 , 83, 149-156	19
1180	Effects of enzymes and protein modifying reagents on the binding of 3H-prostaglandin E2 to porcine oxyntic mucosa in vitro. 1986 , 31, 887-98	4
1179	Lysosomal thiol proteases in middle ear effusions. 1986 , 124, 9-12	7
1178	Thioredoxin-catalyzed refolding of disulfide-containing proteins. 1986 , 83, 7643-7	135
1177	Regioselectivity and Deuterium Isotope Effects in Geraniol Hydroxylation by the Cytochrome P-450 Monooxygenase from <i>Catharanthus roseus</i> (L.) G. DON. 1986 , 69, 1959-1970	20
1176	Conformations of cyclic disulfides: The crystal structure of (1RS,2RS,7RS,8RS)-1,2,7,8-tetrahydroxy-4,5,10,11-tetrathiacyclododecane. 1986 , 16, 417-428	
1175	Alpha-1 and alpha-2 adrenoceptor binding in cerebral cortex: role of disulfide and sulfhydryl groups. 1986 , 11, 9-27	20
1174	Reversed-phase high-performance liquid chromatography peptide mapping of bovine somatotropin. 1986 , 360, 385-95	33
1173	Comparison of electrochemical detection methods in liquid chromatography for the determination of N-acetylcysteine in plasma. 1986 , 352, 27-33	19
1172	Solid-phase derivatization of thiols. 1986 , 354, 155-167	15

1171	Alpha-adrenoceptors and monoamine contents in the cerebral cortex of the rodent <i>Jaculus orientalis</i> : effects of acute cold exposure. 1986 , 25, 903-11	19
1170	Glycoprotein analysis of middle ear effusions by rectin-conjugated sepharose affinity chromatography. 1986 , 243, 224-8	5
1169	Comparison of the protective effects of N-acetylcysteine, 2-mercaptopropionylglycine and dithiothreitol against acetaminophen toxicity in mouse hepatocytes. 1986 , 41, 83-93	21
1168	Electrochemical oxidation of 6-thioguanine. 1986 , 207, 101-116	22
1167	Microaerophily and oxygen toxicity. 1986 , 40, 107-30	122
1166	Disulfide bonds as probes of protein folding pathways. 1986 , 131, 83-106	175
1165	Thiols, Disulfides, and Thioesters. 1986 , 199-268	4
1164	Solid-phase synthesis of insulin-like growth factor I. 1987 , 146, 199-207	1
1163	Thermodynamics of the quenching of tyrosyl fluorescence by dithiothreitol. <i>Biochemistry</i> , 1987 , 26, 5761-2	25
1162	Childhood giant axonal neuropathy. Case report and review of the literature. 1987 , 82, 205-28	24
1161	Oxidation of sulfhydryl groups by monochloramine. 1987 , 21, 1339-1344	21
1160	Receptors for insulin-like growth factors I and II in developing embryonic mouse limb bud. 1987 , 927, 117-28	23
1159	Chemical reduction of disulfides. 1987 , 143, 246-56	90
1158	Spectrophotometric assay of thiols. 1987 , 143, 44-67	210
1157	The reverse of the 'repair' reaction of thiols: H-abstraction at carbon by thiyl radicals. 1987 , 51, 91-102	66
1156	Measurement of thiol-disulfide interchange reactions and thiol pKa values. 1987 , 143, 129-40	38
1155	Dithiothreitol elicits epileptiform activity in CA1 of the guinea pig hippocampal slice. 1987 , 404, 133-41	17
1154	Dimerization of SHBG by gelatin and dithiothreitol. Implications for the measurement of SHBG binding capacity in human serum. 1987 , 26, 527-34	5

1153	Toxicity of S-pentachlorobutadienyl-L-cysteine studied with isolated rat renal cortical mitochondria. 1987 , 258, 365-72	50
1152	Factors underlying significant underestimations of glucokinase activity in crude liver extracts: physiological implications of higher cellular activity. 1987 , 253, 156-67	177
1151	In vitro Thiol-dependent Redox Regulation of Purified Ribulose-1,5-bisphosphate Carboxylase. 1987 , 130, 315-326	11
1150	Purification and properties of α -fructofuranosidase from <i>Aspergillus niger</i> . 1987 , 926, 119-126	19
1149	Hydroxyl radical-induced strand break formation of poly(U) in anoxic solution. Effect of dithiothreitol and tetranitromethane. 1987 , 51, 319-30	21
1148	Improved Enzyme-Linked Immunosorbent Assay for Determination of Soy Protein in Meat Products. 1987 , 70, 582-587	5
1147	On the attack of hydroxyl radicals on polyhydric alcohols and sugars and the reduction of the so-formed radicals by 1,4-dithiothreitol. 1987 , 164, 71-83	32
1146	Hemin-mediated oxidation of dithiothreitol reduces oxygen to H ₂ O. 1987 , 77, 111-20	7
1145	Peptide synthesis by prior thiol capture ^{IV} . The scope and control of disulfide interchange during the acyl transfer step. 1987 , 28, 4637-4640	11
1144	Effects of tricyclohexylhydroxytin on the kinetics of adenosine triphosphatase system and protection by thiol reagents. 1987 , 2, 125-40	13
1143	The effects of sulfhydryl modifying reagents on nonhormonal and hormonally regulated hexose transport in cultured human skin fibroblasts. 1987 , 130, 214-20	5
1142	Determination of N-acetylcysteine, intact and oxidized, in plasma by column liquid chromatography and post-column derivatization. 1987 , 385, 343-56	37
1141	Simplified monitoring of reduced and oxidized dithiothreitol using high-performance liquid chromatography. 1987 , 422, 239-45	6
1140	Effects of reducing agents on the determination of thiolic compounds in the presence of their disulfides using biman pre-column derivatization. 1987 , 23, 717-721	13
1139	Collagenolytic activity of black-pigmented <i>Bacteroides</i> species. 1987 , 22, 300-6	51
1138	In Vitro Induction of Starfish Oocyte Maturation by Cysteine Alkylesters. 1987 , 29, 607-616	8
1137	Multiple-site inhibition by colloidal elemental sulfur (S ⁰) of respiration by mitochondria from young dormant spores of <i>Phomopsis viticola</i> . 1987 , 69, 443-450	13
1136	The interaction of copper (Cu ⁺⁺) with the erythrocyte membrane and 2,3-dimercaptopropanesulphonate in vitro: a source of activated oxygen species. 1987 , 61, 250-3	4

1135	Ligand-triggered conformational perturbations elicit changes at the single cysteinyl residue of spinach calmodulin. 1988 , 175, 119-24		6
1134	Incidence of anti-human Ig with restricted specificity in Japanese, Kuwaiti, and Swedish patients with rheumatoid arthritis. 1988 , 31, 60-2		12
1133	Silver ion (Ag ⁺)-induced increases in cell membrane K ⁺ and Na ⁺ permeability in the renal proximal tubule: reversal by thiol reagents. 1988 , 102, 11-9		47
1132	Protein determination using bicinchoninic acid in the presence of sulfhydryl reagents. 1988 , 170, 203-8		292
1131	Separation of ricin A- and B-chains after dithiothreitol reduction. 1988 , 173, 134-41		20
1130	Further experimental studies of the disulfide folding transition of ribonuclease A. 1988 , 4, 251-61		30
1129	Evidence for disulfide bonds in membrane-bound and solubilized opioid receptors. 1988 , 50, 503-9		14
1128	Effect of dithioerythritol and cystamine on platelet aggregation. 1988 , 23, 139-142		
1127	Effect of thiols on beta 2-adrenoceptors in human mononuclear leucocytes. 1988 , 338, 523-8		11
1126	Kinetic analysis of the folding and unfolding of a mutant form of bovine pancreatic trypsin inhibitor lacking the cysteine-14 and -38 thiols. <i>Biochemistry</i> , 1988 , 27, 2481-9	3.2	83
1125	The disulfide content of calf gamma-crystallin. 1988 , 262, 609-19		27
1124	Effects of dithiothreitol, a sulfhydryl reducing agent, on CA1 pyramidal cells of the guinea pig hippocampus in vitro. 1988 , 456, 49-56		10
1123	New approaches to the role of sulfhydryl groups in silver stainability of protein in grasshopper chromosomes. 1988 , 30, 133-137		4
1122	Hplc Determination of N-Acetylcysteine in Pharmaceutical Preparations After Pre-Column Derivatization With ThiolyteR MB Using Fluorescence Detection. 1988 , 21, 741-757		26
1121	Metabolic chiral inversion of anti-inflammatory 2-arylpropionates: lack of reaction in liver homogenates, and study of methine proton acidity. 1988 , 18, 533-43		32
1120	Central sympathoplegic and norepinephrine-depleting effects of antioxidants. 1988 , 187, 62-8		2
1119	Physiological importance of the heterodisulfide of coenzyme M and 7-mercaptoheptanoylthreonine phosphate in the reduction of carbon dioxide to methane in <i>Methanobacterium</i> . 1988 , 85, 60-3		62
1118	Reassignment of the structure for the antitumor agent RR-150. 1988 , 41, 199-201		6

1117	Association of Guillain-Barré syndrome and Henoch-Schönlein purpura: is immunoglobulin a responsible for the neurologic syndrome?. 1988 , 296, 198-201	10
1116	Renal handling of glutathione. 1988 , 63, 49-52	2
1115	Rapid noninvasive diagnosis of <i>Pneumocystis carinii</i> from induced liquefied sputum. 1988 , 109, 7-10	81
1114	Purification and characterization of an acidic amino acid specific endopeptidase of <i>Streptomyces griseus</i> obtained from a commercial preparation (Pronase). 1988 , 104, 451-6	55
1113	Control of ram sperm adenylate cyclase by divalent cations. 1988 , 41, 377-85	5
1112	Involvement of sulfhydryl groups in the transport of L-tyrosine and L-tryptophan across the human red cell membrane in vitro. 1989 , 21, 53-8	2
1111	Effect of oxidative iodination of epidermal growth factor on its binding and secretion by hepatocytes. 1989 , 40, 109-19	13
1110	Artifacts following gold staining of Western-blotted membranes. 1989 , 180, 55-8	8
1109	Adenylate kinase of <i>Mycobacterium marinum</i> . Amino acid composition, secondary structure and other aspects. 1989 , 21, 657-60	13
1108	Protection against cadmium toxicity and enzyme inhibition by dithiothreitol. 1989 , 7, 185-92	21
1107	Effects of potential inhibitors on N-acetylation of octopamine by tissue extracts from malpighian tubules and cerebral ganglia of <i>Periplaneta americana</i> L. 1989 , 11, 29-45	6
1106	Role of oxygen radicals in phenazine mediated ATP synthesis obtained with spinach chloroplasts. 1989 , 22, 323-329	
1105	Trypsin inhibitors from <i>Colocasia esculenta</i> , <i>Alocasia macrorrhiza</i> and <i>Cyrtosperma chamissonis</i> . 1989 , 28, 3019-3026	20
1104	Role of oxygen radicals in phenazine mediated ATP synthesis obtained with spinach chloroplasts. 1989 , 276, 323-329	
1103	Renal tubular transport of glutathione in rat kidney. 1989 , 414, 551-7	10
1102	Structure of heavy and light chain subunits of type A botulinum neurotoxin analyzed by circular dichroism and fluorescence measurements. 1989 , 85, 67-73	28
1101	Characteristics of Ca ²⁺ -stimulated ATPase in rat heart sarcolemma in the presence of dithiothreitol and alamethicin. 1989 , 91, 137-47	12
1100	Specific [³ H]SCH23390 binding to dopamine D1 receptors in cerebral cortex and neostriatum: role of disulfide and sulfhydryl groups. 1989 , 52, 472-82	23

1099	Synthesis and in vivo testing of a bromobutyl substituted 1,2-dithia-5,9-diazacycloundecane: a versatile precursor for new ^{99m} Tc-bis(aminoethanethiol) complexes. 1989 , 16, 805-11		4
1098	Thermochemical studies of energetics in active transport across <i>Escherichia coli</i> membranes. 1989 , 41, 405-415		2
1097	Enzyme kinetics revisited: a commentary on 'The Kinetics of Enzyme-Catalyzed Reactions With Two or More Substrates or Products'. 1989 , 1000, 209-12		5
1096	The reduction of aryl azides by dithiothreitol: a model for bio-reduction of aromatic azido-substituted drugs. 1989 , 52, 231-238		8
1095	Chromosome preparation and high resolution banding techniques. A review. 1989 , 72, 1363-77		16
1094	Effects of the sulphhydryl inhibitor N-ethyl-maleimide on the phrenic nerve and diaphragm muscle of the rat. 1989 , 28, 765-73		7
1093	Coenzyme F430 as a possible catalyst for the reductive dehalogenation of chlorinated C1 hydrocarbons in methanogenic bacteria. <i>Biochemistry</i> , 1989 , 28, 10061-5	3.2	151
1092	Decomposition and quality control considerations in biological work with fecapentaene preparations. 1989 , 2, 162-8		6
1091	Enzymic properties of a new mechanism-based substrate for dihydrofolate reductase. <i>Biochemistry</i> , 1989 , 28, 6042-6049	3.2	22
1090	Raman spectroscopic evidence for a disulfide bridge in calf gamma II crystallin. 1989 , 269, 250-5		17
1089	Functional cysteinyl residues in human placental aldose reductase. 1989 , 275, 112-21		24
1088	Dithiothreitol-induced triphasic response of dog coronary arteries. 1989 , 166, 13-22		2
1087	Studies on the kinetics of oxidation of 4-hydroxyanisole by tyrosinase. 1989 , 38, 1103-7		11
1086	Characterization of acute N-ethyl-3,4-methylenedioxymphetamine (MDE) action on the central serotonergic system. 1989 , 38, 4333-8		11
1085	Amino acid sequence of alcohol dehydrogenase from the thermophilic bacterium <i>Thermoanaerobium brockii</i> . <i>Biochemistry</i> , 1989 , 28, 6549-55	3.2	83
1084	EFFECT OF OXYRASE™ ENZYME ON <i>LISTERIA MONOCYTOGENES</i> AND OTHER FACULTATIVE ANAEROBES1. 1990 , 11, 163-175		31
1083	Naturally Occurring 1,2-Dithiolanes and 1,2,3-Trithianes. Chemical and Biological Properties. 1990 , 9, 257-333		30
1082	Dithiothreitol liberates non-acid labile sulfide from brain tissue of H ₂ S-poisoned animals. 1990 , 64, 650-5		45

1081	Sulfhydryl-reactive heavy metals increase cell membrane K ⁺ and Ca ²⁺ transport in renal proximal tubule. 1990 , 113, 1-12		31
1080	Crystal structures of subtilisin BPN' variants containing disulfide bonds and cavities: concerted structural rearrangements induced by mutagenesis. 1990 , 7, 343-57		30
1079	Formation of the heptanitrosyltri-β-thioxotetraferrate(1 ⁻) anion, [Fe ₄ S ₃ (NO) ₇] ⁻ by capture of biological sulphur in reactio. 1990 , 9, 2399-2405		14
1078	Permeabilisation of the sarcolemma in mouse diaphragm exposed to Bay K 8644 in vitro: time course, dependence on Ca ²⁺ and effects of enzyme inhibitors. 1990 , 79, 438-43		20
1077	Stimulation of renin secretion by ethacrynic acid is independent of Na(+)-K(+)-2Cl ⁻ cotransport. 1990 , 259, F539-44		1
1076	Sulfhydryls on frog skeletal muscle membrane participate in contraction. 1990 , 259, C709-14		71
1075	Mechanism of formation of 6-amino-5-(N-methylformylamino)-1-methyluracil and 3,7-dimethyluric acid from theobromine in the rat in vitro: involvement of cytochrome P-450 and a cellular thiol. 1990 , 20, 823-33		7
1074	Genetic and biochemical analysis of glutathione-deficient mutants of <i>Saccharomyces cerevisiae</i> . 1990 , 5, 39-44		29
1073	Neurothelin: an inducible cell surface glycoprotein of blood-brain barrier-specific endothelial cells and distinct neurons. 1990 , 110, 1261-74		110
1072	Activation of the nickel-deficient carbon monoxide dehydrogenase from <i>Rhodospirillum rubrum</i> : kinetic characterization and reductant requirement. <i>Biochemistry</i> , 1990 , 29, 2162-8	3.2	52
1071	Quels sont les indications, les impératifs techniques, la sensibilité et le bénéfice de l'expectoration induite dans le diagnostic de la pneumopathie à <i>Pneumocystis carinii</i> . 1990 , 20, 339-346		2
1070	Effect of reducing disulfide-containing proteins on electrospray ionization mass spectra. 1990 , 62, 693-8		250
1069	Maintaining protein stability. 1990 , 182, 83-9		53
1068	Giant axonal neuropathy: studies with sulfhydryl donor compounds. 1990 , 95, 153-62		7
1067	An ascorbate-reduced medium for nitrogen metabolism studies with <i>Selenomonas ruminantium</i> . 1990 , 11, 219-227		12
1066	Non-enzymatic covalent binding of radioactivity from [14C]thiourea to rat lung protein. 1990 , 52, 1-5		4
1065	Prodrugs as drug delivery systems. 107. Synthesis and chemical and enzymatic hydrolysis kinetics of various mono- and diester prodrugs of N-acetylcysteine. 1990 , 62, 193-205		14
1064	Effect of mercuric chloride on the kinetics of cationic and substrate activation of the rat brain microsomal ATPase system. 1990 , 39, 1935-40		19

1063	Bovine lens aldose reductase: tight binding of the pyridine coenzyme. 1990 , 283, 512-8	40
1062	Membrane transport of conjugated and unconjugated bile acids into hepatocytes is susceptible to SH-blocking reagents. 1990 , 1029, 1-12	23
1061	The assay of chlorophylls a and b converted to their respective magnesium-rhodochlorin derivatives by extraction from recalcitrant algal cells with aqueous alkaline methanol: Prevention of allomerization with reductants. 1990 , 1015, 493-502	24
1060	Technetium-99m labeled monoclonal antibodies: evaluation of reducing agents. 1991 , 18, 227-33	8
1059	Pentacovalent oxaphosphorane chemistry in organic synthesis. 2. Total syntheses of (.+.-)-trans- and (.+.-)-cis-neocnidilides. 1991 , 56, 2326-2332	25
1058	Hyperpolarization/depolarization on human spermatozoa. 1991 , 26, 71-8	6
1057	Specific interchain cross-linking of antibodies using bismaleimides. Repression of ligand leakage in immunoaffinity chromatography. 1991 , 2, 275-80	14
1056	Preparation and in vivo evaluation of an N-(p-[125I]iodophenethyl)maleimide-antibody conjugate. 1991 , 2, 435-40	21
1055	Direct measurement of the equilibrium between glutathione and dithiothreitol by high performance liquid chromatography. 1991 , 291, 296-8	36
1054	High-performance liquid chromatographic determination of urinary cysteine and cystine. 1991 , 199, 33-42	36
1053	Intraretinal pathfinding of ganglion cell axons is perturbed by a monoclonal antibody specific for a G4/Ng-CAM-like cell adhesion molecule. 1991 , 63, 181-90	12
1052	Micropropagation. 1991 , 1-13	39
1051	Preparation of clinical grade proteins produced by recombinant DNA technologies. 1991 , 143, 231-40	50
1050	Positive cooperativity of [3H]dexamethasone binding to chick corticosteroid-binding globulin. 1991 , 100, 361-4	6
1049	Chromatographic Analysis of Metallothionein Proteins from the Crab Species Scylla Serrata and Portunus Pelagicus. 1991 , 14, 2647-2663	5
1048	Inhibition of glutathione S-transferase 3-3 by glutathione derivatives that bind covalently to the active site. 1991 , 278 (Pt 1), 63-8	19
1047	Amylolytic activity in stored potato tubers. 1. Estimation using p-nitrophenyloligosaccharides. 1991 , 34, 325-332	8
1046	Role of membrane sulfhydryl groups in stimulation of renin secretion by sulfhydryl reagents. 1991 , 39, 867-73	2

1045	An intra-dimeric crosslink of large subunits of spinach ribulose-1,5-bisphosphate carboxylase/oxygenase is formed by oxidation of cysteine 247. 1991 , 200, 353-8	16
1044	Activation of cell membrane potassium conductance by mercury in cultured renal epithelioid (MDCK) cells. 1991 , 146, 25-33	21
1043	Bimanes 28: Extraction of sulfur from fluorescent models for biological thiols. 1991 , 2, 319-333	1
1042	Comparison of larval development and growth of the sea cucumber <i>Actinopyga echinites</i> : Ovary-induced ova and DTT-induced ova. 1991 , 109, 453-457	27
1041	Role of sulfhydryl groups in phospholipid methylation reactions of cardiac sarcolemma. 1991 , 103, 85-96	9
1040	Factors influencing the in vitro growth of <i>Mycobacterium leprae</i> : effect of sulfhydryl compounds. 1991 , 35, 209-13	3
1039	Radioprotection by dithiothreitol (DTT) at varying oxygen concentrations: predictions of a modified competition model and theory evaluation. 1991 , 59, 409-18	5
1038	Improvement of Longevity and Viability of Sperm Cells Isolated from Pollen of <i>Zea mays</i> L. 1992 , 100, 47-53	20
1037	Depression of cardiac sarcolemmal phospholipase D activity by oxidant-induced thiol modification. 1992 , 71, 970-7	24
1036	Importance of the structural zinc atom for the stability of yeast alcohol dehydrogenase. 1992 , 287 (Pt 2), 361-5	116
1035	Equilibrium and kinetic constants for the thiol-disulfide interchange reaction between glutathione and dithiothreitol. 1992 , 89, 7944-8	94
1034	Reaction of dithiothreitol and para-nitroacetophenone with different radical precursors of .OH radical-induced strand break formation of single-stranded DNA in anoxic aqueous solution. 1992 , 61, 577-91	31
1033	Characterization of iron-sulfur clusters in lysine 2,3-aminomutase by electron paramagnetic resonance spectroscopy. <i>Biochemistry</i> , 1992 , 31, 10774-81	3,2 91
1032	Comparison of the effects of mercuric chloride and methylmercuric chloride on the isolated phrenic nerve and on the phrenic nerve-diaphragm preparation from the rat. 1992 , 6, 389-96	5
1031	Beta 2-adrenergic receptor antibodies in myasthenia gravis. 1992 , 5, 213-27	24
1030	Some contributions of the plant kingdom to transfusion medicine--lectins and plant enzymes. 1992 , 6, 103-15	3
1029	Bidirectional transport of spermine in rat liver mitochondria. 1992 , 1102, 62-6	14
1028	The effects of cadmium in vitro on adenosine triphosphatase system and protection by thiol reagents in rat brain microsomes. 1992 , 22, 456-8	13

1027	Protein structural effects in gas phase ion/molecule reactions with diethylamine. 1992 , 6, 159-65	64
1026	Mercaptoethanol and dithiothreitol decrease the difference of electrochemical proton potentials across the yeast plasma and vacuolar membranes and activate their H(+)-ATPases. 1992 , 8, 589-98	14
1025	Specific [3H]raclopride binding to neostriatal dopamine D2 receptors: role of disulfide and sulfhydryl groups. 1992 , 17, 749-59	11
1024	Kinetic studies on the dithionite reduction of beef-heart aconitase in the [3Fe-S] ⁺ inactive form. 1992 , 201, 239-242	5
1023	Evaluation of peptide-peptide interactions using reversed-phase high-performance liquid chromatography. 1992 , 625, 199-206	20
1022	Deguelin cyclase, a prenyl to chromen transforming enzyme from <i>Tephrosia vogellii</i> . 1992 , 31, 451-461	21
1021	Comparative biochemical pharmacology of central nervous system dopamine D1 and D2 receptors. 1992 , 6, 425-50	11
1020	Thiol group identification at or near the agonist binding site of the vascular dopamine receptor. 1992 , 226, 253-8	4
1019	Effect of lipoic acid on biliary excretion of glutathione and metals. 1992 , 114, 88-96	50
1018	The clinical pharmacology of 6-mercaptopurine. 1992 , 43, 329-39	518
1017	Protection by glutathione and other thiol compounds against the loss of protein thiols and tocopherol homologs during microsomal lipid peroxidation. 1992 , 210, 139-46	46
1016	Effect of subunit dissociation, denaturation, aggregation, coagulation, and decomposition on enzyme inactivation kinetics: I. First-order behaviour. 1992 , 40, 1421-6	53
1015	Synthesis of flavins bearing a sulfur functional group and their catalytic activities for reduction of disulfides. 1992 , 3, 617-624	0
1014	An electrophoretic study of the thermal- and reductant-dependent aggregation of the 27 kDa component of ammonia monooxygenase from <i>Nitrosomonas europaea</i> . 1993 , 14, 619-27	25
1013	Physicochemical and biological factors influencing methylfolate stability: use of dithiothreitol for HPLC analysis with electrochemical detection. 1993 , 47, 79-86	14
1012	Lipoxygenase activity during pepper ripening and processing of paprika. 1993 , 32, 1103-1108	71
1011	Primary structure effects on peptide group hydrogen exchange. 1993 , 17, 75-86	1627
1010	Convergent synthesis of 2',3'-dideoxy-3'-methylthio and 2',3'-dideoxy-3'-mercapto nucleosides and their disulfide analogues [Potential anti-HIV agents. 1993 , 124, 37-53	9

1009	Interaction of H ₂ O ₂ and dithiothreitol and the genesis of cellular damage in the perfused rat heart. 1993 , 104, 171-3		
1008	Triphasic vascular effects of thiol compounds and their oxidized forms on dog coronary arteries. 1993 , 49, 47-50		8
1007	Antioxidative stress therapy with dithiothreitol tetraacetate. I. Protection against carbon tetrachloride induced liver necrosis. 1993 , 67, 547-51		10
1006	Sulfhydryl oxidation induces rapid and reversible closure of the ATP-regulated K ⁺ channel in the pancreatic beta-cell. 1993 , 319, 128-32		62
1005	Enhanced permeation and stratum corneum structural alterations in the presence of dithiothreitol. 1993 , 1153, 289-98		11
1004	Sequence Determination. 1993 , 16-38		
1003	Sulfhydryl content of glycine: effect of reducing agents. 1993 , 41, 168-176		70
1002	Probing the determinants of disulfide stability in native pancreatic trypsin inhibitor. <i>Biochemistry</i> , 1993 , 32, 2835-44	3.2	40
1001	Allosteric modulation of the NMDA receptor by dihydrolipoic and lipoic acid in rat cortical neurons in vitro. 1993 , 11, 857-63		43
1000	Metachromatic staining of human sperm nuclei after reduction of disulphide bonds. 1993 , 94, 141-9		26
999	The measurement of enzyme activities in the resting human polymorphonuclear leukocyte--critical estimate of a method. 1993 , 31, 5-16		4
998	In vitro interaction of heavy metals with ouabain receptors in rat brain microsomes. 1993 , 16, 101-10		5
997	pH optimum of the reduction of dehydroascorbic acid by dithioerythritol. 1993 , 53, 367-71		8
996	Four proteolytic processes of myocardium, one insensitive to thiol reactive agents and thiol protease inhibitor. 1993 , 265, E10-9		1
995	BUFFERS, CHELATING AGENTS AND DENATURANTS. 1993 , 1-36		3
994	Determination of 3-Methyl-2-Butene-1-Thiol in Beer. 1993 , 51, 70-74		16
993	Glutamate uptake inhibition by oxygen free radicals in rat cortical astrocytes. 1994 , 14, 2924-32		405
992	Biochemical mechanism of irreversible cell injury caused by free radical-initiated reactions. 1994 , 137, 9-16		28

991	Zinkkomplexe von Aminosäuren und Peptiden, 4. Zinkkomplexe von Peptiden mit C-terminalem Cystein. 1994 , 127, 1235-1241		12
990	Dithiothreitol prevents membrane fusion but not centrosome or microtubule organization during the first cell cycles in sea urchins. 1994 , 27, 59-68		15
989	Immunoaffinity capillary electrophoretic analysis of cyclosporin in tears. 1994 , 8, 242-6		63
988	Investigation of the gas-phase structure of electrosprayed proteins using ion-molecule reactions. 1994 , 5, 207-20		85
987	Inhibitory effect of dithiothreitol on angiotensin II-induced contractions mediated by AT1-receptors in rat portal vein and rabbit aorta. 1994 , 349, 538-42		3
986	Solid-phase thiolsulfonates for the reversible immobilization of thiols. 1994 , 44, 1-14		24
985	Classical and channel-like urate transporters in rabbit renal brush border membranes. 1994 , 45, 727-36		17
984	The cardinal importance of sputum microscopy. 1994 , 24, 695-7		7
983	The evaluation of a cell dispersion method of sputum examination. 1994 , 24, 778-83		153
982	The energetics and sodium-ion dependence of N5-methyltetrahydromethanopterin:coenzyme M methyltransferase studied with cob(I)alamin as methyl acceptor and methylcob(III)alamin as methyl donor. 1994 , 226, 799-809		49
981	Ca ²⁺ influx induced by photodynamic action in human cerebral glioma (U-87 MG) cells: possible involvement of a calcium channel. 1994 , 60, 244-8		28
980	An antimony-silver/silver chloride electrode system for measuring pH in insect gut contents. 1994 , 73, 31-37		5
979	Use of aryl azide cross-linkers to investigate protein-protein interactions: an optimization of important conditions as applied to Escherichia coli RNA polymerase and localization of a sigma 70-alpha cross-link to the C-terminal region of alpha. <i>Biochemistry</i> , 1994 , 33, 12092-9	3,2	28
978	Cleland's reagents block lethal and hypnotic effects of pentobarbital. 1994 , 292, 39-42		
977	Effect of ferric and cupric ions on the inactivation rate of dextranucrase. 1994 , 42, 263-269		1
976	Potentialiation by metal ions of ryanodine contracture of the mouse diaphragm. 1994 , 251, 61-8		3
975	Oxidative stress modifies the activity of cardiac sarcolemmal phospholipase C. 1994 , 1199, 6-12		35
974	Studies on the contracture inducing action of triphenyltin in the mouse diaphragm. 1994 , 292, 95-101		

973	Reduction dechlorination of carbon tetrachloride by cobalamin(II) in the presence of dithiothreitol: mechanistic study, effect of redox potential and pH. 1994 , 28, 246-52	85
972	Formation of adriamycin--DNA adducts in vitro. 1994 , 22, 2296-303	51
971	Protein Purification. 1994 ,	234
970	Neurophysiology. 1994 , 480, 67-73	
969	FR901228, a novel antitumor bicyclic depsipeptide produced by <i>Chromobacterium violaceum</i> No. 968. II. Structure determination. 1994 , 47, 311-4	116
968	Controlling the speed of hirudin folding. 1994 , 300 (Pt 3), 643-50	66
967	Oxidation of monohydric phenol substrates by tyrosinase: effect of dithiothreitol on kinetics. 1994 , 304 (Pt 1), 155-62	37
966	Dithiothreitol effects on human sperm quality. 1994 , 152, 2287-90	8
965	Dithiothreitol effects on the viscosity and quality of human semen**Presented in part at the 48th Annual Meeting of The American Fertility Society, New Orleans, Louisiana, October 31 to November 5, 1992.. 1994 , 62, 1238-1243	10
964	THE ESTIMATION OF THIOLS AND DISULPHIDES IN BARLEY. 1995 , 101, 5-10	10
963	Purification and characterization of acetylene hydratase of <i>Pelobacter acetylenicus</i> , a tungsten iron-sulfur protein. 1995 , 177, 5767-72	98
962	The catalytic site of monogalactosyldiacylglycerol synthase from spinach chloroplast envelope membranes. Biochemical analysis of the structure and of the metal content. 1995 , 270, 5714-22	29
961	Reagents for rapid reduction of disulfide bonds in proteins. 1995 , 6, 259-266	2
960	AN IN VITRO NITRATE REDUCTASE ASSAY FOR MARINE MACROALGAE: OPTIMIZATION AND CHARACTERIZATION OF THE ENZYME FOR <i>FUCUS GARDNERI</i> (PHAEOPHYTA)1. 1995 , 31, 835-843	43
959	The antimicrobial activity of hexapeptides derived from synthetic combinatorial libraries. 1995 , 78, 39-46	66
958	The effect of pH on the folding and stability of the myosin rod. 1995 , 234, 501-5	5
957	Purification and properties of coenzyme F390 hydrolase from <i>Methanobacterium thermoautotrophicum</i> (strain Marburg). 1995 , 234, 592-7	16
956	A method for counting disulfide bridges in small proteins by reduction with mercaptoethanol and electrospray mass spectrometry. 1995 , 30, 1562-1566	18

955	Synthesis of symmetric disulfides as potential alternative substrates for trypanothione reductase and glutathione reductase: Part 1. 1995 , 9, 327-42	8
954	Free radical-induced endothelial membrane dysfunction at the site of blood-brain barrier: relationship between lipid peroxidation, Na,K-ATPase activity, and 51Cr release. 1995 , 20, 1417-27	39
953	Local constrained shifty pseudopeptides inhibitors of rasfarnesyl transferase. 1995 , 5, 2677-2682	12
952	Analysis of recombinant human growth hormone in Escherichia coli fermentation broth by micellar high-performance liquid chromatography. 1995 , 705, 155-61	15
951	Positive allosteric interactions on cardiac muscarinic receptors: effects of chemical modifications of disulphide and carboxyl groups. 1995 , 289, 311-9	17
950	Immunoglobulin A subclass measurement in serum and saliva: sensitivity of detection of dimeric IgA2 in ELISA depends on the antibody used. 1995 , 187, 221-32	20
949	Isolation and characterization of the pyruvate-ferredoxin oxidoreductase from the sulfate-reducing bacterium Desulfovibrio africanus. 1995 , 1250, 49-59	89
948	Measurement of equilibrium midpoint potentials of thiol/disulfide regulatory groups on thioredoxin-activated chloroplast enzymes. 1995 , 252, 220-8	36
947	Characterization of the iron-binding site in mammalian ferrochelatase by kinetic and Mössbauer methods. 1995 , 270, 26352-7	23
946	Involvement of thiol groups in the impairment of cardiac sarcoplasmic reticular phospholipase D activity by oxidants. 1995 , 11, 107-18	11
945	Initial spectroscopic characterization of the ciliate photoreceptor stentorin. 1995 , 1231, 58-68	15
944	Disulfide mutants of barnase. I: Changes in stability and structure assessed by biophysical methods and X-ray crystallography. 1995 , 253, 493-504	50
943	Use of protein folding reagents. 2001 , Appendix 3, Appendix 3A	12
942	A cross-linked monoclonal antibody fragment for improved tumor targeting. 1995 , 6, 179-86	11
941	Poly(Ethylene Glycol) with Reactive Endgroups: I. Modification of Proteins. 1995 , 10, 145-187	52
940	Thiol/disulfide exchange equilibria and disulfide bond stability. 1995 , 251, 8-28	420
939	Dithiol- and NAD-dependent degradation of epoxyalkanes by Xanthobacter Py2. 1995 , 42, 775-781	28
938	Modulation of protein kinase C by heavy metals. 1995 , 81, 197-203	49

937	Reagents for rapid reduction of disulfide bonds. 1995 , 251, 167-73		37
936	Possible involvement of Ca(2+)-induced Ca2+ release mechanism in Ag(+)-induced contracture in frog skeletal muscle. 1995 , 292, 301-8		1
935	Survival in patients with amyotrophic lateral sclerosis, treated with an array of antioxidants. 1996 , 139 Suppl, 99-103		39
934	Chemical reactivity and spectroscopy of the thiol ester-linked p-coumaric acid chromophore in the photoactive yellow protein from <i>Ectothiorhodospira halophila</i> . <i>Biochemistry</i> , 1996 , 35, 1274-81	3.2	62
933	The iron-catalyzed oxidation of dithiothreitol is a biphasic process: hydrogen peroxide is involved in the initiation of a free radical chain of reactions. 1996 , 333, 233-42		76
932	Indices of airway inflammation in induced sputum: reproducibility and validity of cell and fluid-phase measurements. 1996 , 154, 308-17		803
931	Transformation of Carbon Tetrachloride by Reduced Vitamin B12 in Aqueous Cysteine Solution. 1996 , 30, 1882-1889		53
930	RT-PCR without RNA isolation. 1996 , 21, 1094-100		40
929	Mechanism of the Nitrosation of Thiols and Amines by Oxygenated NO Solutions: the Nature of the Nitrosating Intermediates. 1996 , 118, 3419-3425		191
928	Hydroxylation of quinaldic acid: quinaldic acid 4-monooxygenase from <i>Alcaligenes</i> sp. F-2 versus quinaldic acid 4-oxidoreductases. 1996 , 1293, 39-44		4
927	Alkylation of [3H]8-OH-DPAT binding sites in rat cerebral cortex and hippocampus. 1996 , 21, 167-76		17
926	Fluorescence study of the conformational properties of recombinant tick anticoagulant peptide (<i>Ornithodoros moubata</i>) using multifrequency phase fluorometry. 1996 , 64, 785-91		11
925	A novel phasic contraction induced by dithiothreitol in frog skeletal muscle. 1996 , 27, 1361-6		2
924	Measurement of bioactive neuropeptides using a chromatographic immunosensor cartridge. 1996 , 10, 331-6		9
923	Protein refolding at high concentration using size-exclusion chromatography. 1996 , 50, 16-23		137
922	The purification and characterization of a novel D(II)-specific carbamoylase enzyme from an <i>Agrobacterium</i> sp.. 1996 , 19, 562-571		33
921	Altering the specificity of subtilisin B. Lentus by combining site-directed mutagenesis and chemical modification. 1996 , 6, 2507-2512		17
920	Photodynamic crosslinking of proteins. II. Photocrosslinking of a model protein-ribonuclease A. 1996 , 35, 213-9		59

919	Oxidative damage to sarcoplasmic reticulum Ca(2+)-pump induced by Fe2+/H2O2/ascorbate is not mediated by lipid peroxidation or thiol oxidation and leads to protein fragmentation. 1996 , 159, 105-14	52
918	Kidney transplantation in highly sensitized patients: reappraisal of etiology, evaluation, and management protocols. 1996 , 14, 206-17	3
917	Selenol-catalyzed reduction of disulfide bonds in peptides and proteins. 1996 , 7, 221-230	1
916	Removal of hydrogen peroxide by thiol-specific antioxidant enzyme (TSA) is involved with its antioxidant properties. TSA possesses thiol peroxidase activity. 1996 , 271, 15315-21	185
915	Purification and characterization of a novel hyaluronan-binding protein (PHBP) from human plasma: it has three EGF, a kringle and a serine protease domain, similar to hepatocyte growth factor activator. 1996 , 119, 1157-65	102
914	Purification and characterization of beta-N-acetylgalactosaminidase from <i>Bacillus</i> sp. AT173-1. 1997 , 122, 330-6	3
913	Differential affinity cross-linking of phosphorylase kinase conformers by the geometric isomers of phenylenedimaleimide. 1997 , 272, 26196-201	22
912	Inhibition of glutathione reductase by dinitrosyl-iron-dithiolate complex. 1997 , 272, 21767-73	69
911	The challenge of growing oral spirochaetes. 1997 , 46, 104-16	9
910	Induced sputum cell and fluid-phase indices of inflammation: comparison of treatment with dithiothreitol vs phosphate-buffered saline. 1997 , 10, 1336-40	49
909	Thiol compounds inhibit mercury-induced immunological and immunopathological alterations in susceptible mice. 1997 , 107, 68-75	14
908	Incorporation of 2'-Deoxy-2'-mercaptocytidine into Oligonucleotides via Phosphoramidite Chemistry. 1997 , 62, 3415-3420	27
907	Inactivation of intracellular proteolysis and cathepsin B enzyme activity by dehydroascorbic acid and reactivation by dithiothreitol in perfused rat heart. 1997 , 54, 669-75	13
906	Thiol/disulfide exchange and redox potentials of proteins. 1997 , 256-324	7
905	Development and evaluation of a kit formulation for the preparation of 99mTc-DMP-HSA, a new tracer agent for radionuclide ventriculography. 1997 , 24, 571-8	2
904	Atomic force microscopy studies on whey proteins. 1997 , 7, 813-819	22
903	Effects of protease inhibitors on degradation of H3[14C]-casein by ruminal microorganisms. 1997 , 64, 113-126	2
902	The investigation of airway inflammation in asthma: sputum examination. 1997 , 27 Suppl 1, 36-40	7

8901	Controlled hydrolysis of ceftiofur sodium, a broad-spectrum cephalosporin; isolation and identification of hydrolysis products. 1997 , 86, 389-95	18
8900	Inhibition of human placenta glutathione transferase P1-1 by the antibiotic calvatic acid and its diazocyanide analogue--evidence for multiple catalytic intermediates. 1997 , 245, 663-7	7
8899	Cysteine reactivity in <i>Thermoanaerobacter brockii</i> alcohol dehydrogenase. 1997 , 6, 1074-83	15
8898	Microdialysis-immunoaffinity capillary electrophoresis studies on neuropeptide-induced lymphocyte secretion. 1997 , 697, 101-9	32
8897	Development of new linkers for the formation of aliphatic C-H bonds on polymeric supports. 1997 , 53, 6645-6652	31
8896	Serum methylmalonic acid and total homocysteine in patients with suspected cobalamin deficiency: a clinical study based on gastrointestinal histopathological findings. 1997 , 56, 230-8	9
8895	Reexamination of the structural characteristics of the acyl carrier protein. 1997 , 3, 171-181	3
8894	Studies of the hydrodynamic volume changes that occur during refolding of lysozyme using size-exclusion chromatography. 1997 , 766, 109-19	65
8893	Process clearance of dithiothreitol monitored by reversed-phase high-performance liquid chromatography with fluorescence detection. 1997 , 775, 151-156	2
8892	Determination of in situ tissue neuropeptides by capillary immunoelectrophoresis. 1998 , 372, 209-218	40
8891	Removal of the fluorescent 4-(aminosulfonyl)-2,1,3-benzoxadiazole label from cysteine-containing peptides. 1998 , 798, 47-54	4
8890	Lipase-catalyzed mono- O-acylation of dithiothreitol and dithioerythritol. 1998 , 20, 275-277	2
8889	Additive effects of bovine serum albumin, dithiothreitol, and glycerol on PCR. 1998 , 44, 157-63	34
8888	Modulation by chloramine-T of 4-aminopyridine-sensitive transient outward current in rabbit atrial cells. 1998 , 358, 85-92	3
8887	Analysis of recombinant cytokines in human body fluids by immunoaffinity capillary electrophoresis. 1998 , 19, 2991-6	54
8886	An Integrated Needle-Type Biosensor for Intravascular Glucose and Lactate Monitoring. 1998 , 10, 752-757	27
8885	Sulfur reduction by human erythrocytes. 1998 , 282, 310-22	113
8884	High-resolution electrospray ionization Fourier transform mass spectrometry with infrared multiphoton dissociation of glucokinase from <i>Bacillus Stearothermophilus</i> . 1998 , 9, 1222-5	13

883	Effects of low ozone exposure of spring wheat on net CO ₂ uptake, Rubisco, leaf senescence and grain filling. 1998 , 138, 451-460		58
882	Cadmium inhibits vacuolar H(+)-ATPase and endocytosis in rat kidney cortex. 1998 , 53, 1713-26		58
881	Advantages of serum pepsinogen A combined with gastrin or pepsinogen C as first-line analytes in the evaluation of suspected cobalamin deficiency: a study in patients previously not subjected to gastrointestinal surgery. 1998 , 244, 341-9		16
880	Recycling immunoaffinity chromatography for multiple analyte analysis in biological samples. 1998 , 715, 55-63		34
879	Intrinsic membrane association of Drosophila cysteine string proteins. 1998 , 436, 85-91		19
878	Rate-Dependent Lowering of Surface Tension during Transformations of Water-Soluble Surfactants from Bolaform to Monomeric Structures. 1998 , 14, 2235-2237		16
877	Thiol-mediated disassembly and reassembly of [2Fe-2S] clusters in the redox-regulated transcription factor SoxR. <i>Biochemistry</i> , 1998 , 37, 17280-6	3.2	50
876	Effects of Oxidation of Immobilized Poly(L-Cysteine) on Trace Metal Chelation and Preconcentration. 1998 , 70, 1604-1609		28
875	An Unusual Adduct of Dithiothreitol with a Pair of Cysteine Residues of a Protein as a Stable Folding Intermediate. 1998 , 120, 2668-2669		14
874	Recombinant human retinol-binding protein refolding, native disulfide formation, and characterization. 1998 , 14, 31-7		27
873	Differential inhibitory effects of three nitric oxide donors on ornithine decarboxylase activity in human colon carcinoma cells. 1998 , 55, 1235-9		12
872	The importance of the disulfide bond in prion protein conversion. 1998 , 9, 2457-61		83
871	Nitric oxide and thiol redox regulation of Janus kinase activity. 1998 , 95, 126-31		132
870	Synthesis of novel mercapto analogues of Tröger's base. 1999 , 40, 1289-1290		7
869	Preparation of cyclic disulfides from bisthiocyanates. 1999 , 40, 6489-6492		32
868	Needle-type lactate biosensor. 1999 , 14, 203-10		59
867	Effects of disulfide linkages on gas-phase reactions of small multiply charged peptide ions. 1999 , 182-183, 233-241		5
866	Solution stability of linear vs. cyclic RGD peptides. 1999 , 53, 530-41		131

865	Protein adsorption at the oil/water interface: characterization of adsorption kinetics by dynamic interfacial tension measurements. 1999 , 81, 59-80	407
864	Subunit dissociation and inactivation of pyruvate kinase by hydrostatic pressure oxidation of sulfhydryl groups and ligand effects on enzyme stability. 1999 , 266, 163-9	12
863	Physical and Molecular Properties of Wheat Gluten Films Cast from Heated Film-Forming Solutions. 1999 , 64, 57-60	67
862	Strategies for analysis of electrophoretically separated proteins and peptides. 1999 , 383, 27-46	20
861	Considerations of sample application and elution during size-exclusion chromatography-based protein refolding. 1999 , 864, 229-36	32
860	Preparation of fcgamma for addition to sulfhydryl-expressing ligands with minimal disturbance of the hinge. 1999 , 231, 169-75	2
859	Sample preparation for peptide mapping--A pharmaceutical quality-control perspective. 1999 , 266, 31-47	118
858	A comparison between the sulfhydryl reductants tris(2-carboxyethyl)phosphine and dithiothreitol for use in protein biochemistry. 1999 , 273, 73-80	367
857	Variant antibody identification by peptide mapping. 1999 , 62, 485-8	26
856	Schrittweise Replikation eines Analogons der Trügerschen Base. 1999 , 111, 3960-3962	3
855	Studies on the mode of action of mitomycin C(7) aminoethylene disulfides (BMS-181174 and KW-2149): reactivity of 7-N-(mercaptoethyl)mitomycin C. 1999 , 42, 788-90	28
854	Proteolytic Enzymes. 1999 ,	3
853	Characterization of Aspartate Transport Across the Symbiosome Membrane in Pea Root Nodules. 1999 , 155, 576-583	4
852	Equilibrium analyses of the active-site asymmetry in enterococcal NADH oxidase: role of the cysteine-sulfenic acid redox center. <i>Biochemistry</i> , 1999 , 38, 3000-11	3.2 23
851	Low-temperature stabilization and spectroscopic characterization of the dioxygen complex of the ferrous neuronal nitric oxide synthase oxygenase domain. <i>Biochemistry</i> , 1999 , 38, 8014-21	3.2 52
850	Proteolytic Mapping. 2000 ,	
849	trans-3,4-Dihydroxy-1-selenolane Oxide: A New Reagent for Rapid and Quantitative Formation of Disulfide Bonds in Polypeptides. 2000 , 29, 1400-1401	14
848	Peptide Synthesis. 2000 ,	

847	Effects of dithiothreitol on protein activity unrelated to thiol-disulfide exchange: for consideration in the analysis of protein function with Cleland's reagent. 2000 , 282, 102-6	44
846	An Efficient Synthesis of Bis(calix[4]arenes), Bis(crown ether)-Substituted Calix[4]arenes, Aza-Crown Calix[4]arenes, and Thiaza-Crown Calix[4]arenes. 2000 , 2000, 3587-3593	13
845	Alpha-azido acids for direct use in solid-phase peptide synthesis. 2000 , 6, 594-602	27
844	Role of glutathione in the formation of the active form of the oxygen sensor FNR ([4Fe-4S].FNR) and in the control of FNR function. 2000 , 267, 4817-24	14
843	Preparation of surface modified protein nanoparticles by introduction of sulfhydryl groups. 2000 , 211, 67-78	76
842	The effects of disulfide bonds on the denatured state of barnase. 2000 , 9, 2394-404	49
841	Protein Purification: Theoretical and Methodological Considerations. 2000 ,	
840	Barnacle cement proteins. Importance of disulfide bonds in their insolubility. 2000 , 275, 27360-5	48
839	Oxidants depress the synthesis of phosphatidylinositol 4,5-bisphosphate in heart sarcolemma. 2000 , 382, 48-56	21
838	The thioredoxin system of <i>Helicobacter pylori</i> . 2000 , 275, 5081-9	64
837	Measuring the rate of intramolecular contact formation in polypeptides. 2000 , 97, 7220-5	380
836	Development of an amperometric biosensor for lactate.	4
835	Differential effects of chilling-induced photooxidation on the redox regulation of photosynthetic enzymes. <i>Biochemistry</i> , 2000 , 39, 6679-88	3,2 70
834	Unconventional Origin of Metal Ion Rescue in the Hammerhead Ribozyme Reaction: Mn ²⁺ -Assisted Redox Conversion of 2-Mercaptocytidine to Cytidine. 2000 , 122, 12069-12078	17
833	Redox control of protein degradation. 2000 , 2, 851-78	33
832	Induced sputum: validity of fluid-phase IL-5 measurement. 2000 , 105, 1162-8	29
831	Modification of the 5' terminus of oligonucleotides for attachment of reporter and conjugate groups. 2001 , Chapter 4, Unit 4.2	2
830	Protection by glutathione of neutrophils against the toxic effects of peritoneal dialysis fluid. 2001 , 15, 655-61	5

829	Cysteine-25 of adenylate kinase reacts with dithiothreitol to form an adduct upon aging of the enzyme. 2001 , 507, 169-73	4
828	Cytoplasmic ribonuclease inhibitor. 2001 , 341, 611-28	37
827	Selective open-channel block of Shaker (Kv1) potassium channels by s-nitrosodithiothreitol (SNDTT). 2001 , 118, 113-34	27
826	Mechanisms underlying the induction of vasorelaxation in rat thoracic aorta by sanguinarine. 2001 , 85, 47-53	20
825	A Practical Protocol for the Reduction of Disulfide Bonds in Proteins Prior to Analysis by Mass Spectrometry. 2001 , 7, 29-34	27
824	Effect of physical and chemical methods of homogenization on inflammatory mediators in sputum of asthma patients. 2001 , 119, 1521-5	24
823	1,4-Dithiothreitol. 2001 ,	1
822	Chapter 17 Photomovement in ciliates. 2001 , 475-503	5
821	The influence of operational parameters on lysozyme refolding using size-exclusion chromatography. 2001 , 24, 255-259	8
820	Reduction of sulfur with borohydride exchange resin in methanol: application to rapid and selective synthesis of disulfides. 2001 , 42, 6741-6743	36
819	Syntheses and structural characterization of water-soluble selenium reagents for the redox control of protein disulfide bonds. 2001 , 12, 293-299	58
818	Analysis of single-cell cultures by immunoaffinity capillary electrophoresis with laser-induced fluorescence detection. 2001 , 16, 145-52	39
817	Reduction and alkylation of proteins in preparation of two-dimensional map analysis: why, when, and how?. 2001 , 22, 2046-57	188
816	Inhibition of rat brain Na ⁺ , K ⁺ -ATPase activity induced by homocysteine is probably mediated by oxidative stress. 2001 , 26, 1195-200	43
815	Coordination of heavy metals by dithiothreitol, a commonly used thiol group protectant. 2001 , 84, 77-88	171
814	Human Airway Inflammation. 2001 ,	2
813	Induced sputum : selection method. 2001 , 56, 77-91	11
812	Analysis of fluid phase mediators. 2002 , 20, 24S-39s	20

811	Methods of sputum processing for cell counts, immunocytochemistry and in situ hybridisation. 2002 , 37, 19s-23s	90
810	Enhancement of lysosomal osmotic sensitivity induced by the photooxidation of membrane thiol groups. 2002 , 75, 134-9	8
809	The origin of hydrogen sulfide in a newborn with sulphaemoglobin induced cyanosis. 2002 , 55, 631-3	11
808	7-N-(mercaptoalkyl)mitomycins: implications of cyclization for drug function. 2002 , 124, 4666-77	26
807	Expression, preparation, and high-throughput screening of caspase-8: discovery of redox-based and steroid diacid inhibition. 2002 , 399, 195-205	37
806	Reversible Redox Cleavage/Coupling of Polystyrene with Disulfide or Thiol Groups Prepared by Atom Transfer Radical Polymerization. 2002 , 35, 9009-9014	222
805	Selective reduction and chemical modification of oxidized lipase cysteine mutants. 2002 , 80, 529-539	13
804	Mercuric chloride alters the membrane potential and intracellular calcium level in mouse pancreatic islet cells. 2002 , 65, 317-26	5
803	Reducing Human Hair. 2002 , 105-152	
802	Silver ions induce Ca ²⁺ release from the SR in vitro by acting on the Ca ²⁺ release channel and the Ca ²⁺ pump. 2002 , 92, 1603-10	42
801	. 2002 ,	92
800	Optimizing sputum methodology. 2002 , 32, 653-7	6
799	Amyloid beta peptide (25-35) inhibits Na ⁺ -dependent glutamate uptake in rat hippocampal astrocyte cultures. 1996 , 67, 277-86	168
798	Monitoring of dithiothreitol clearance by means of micellar electrokinetic chromatography. 2002 , 770, 237-41	7
797	Characterization of 2-amino-4,5-dichlorophenol (2A45CP) in vitro toxicity in renal cortical slices from male Fischer 344 rats. 2002 , 172, 113-23	15
796	Characterization of metal ion-exchange on modified surfaces of porous carbon. 2002 , 455, 233-244	16
795	Discrimination between mono- and trimethylated cap structures by two isoforms of <i>Caenorhabditis elegans</i> eIF4E. 2002 , 21, 4680-90	33
794	Efficient asymmetric synthesis of the vasopeptidase inhibitor BMS-189921. 2003 , 5, 3155-8	23

793	Maternal methionine adenosyltransferase I/III deficiency: reproductive outcomes in a woman with four pregnancies. 2003 , 26, 443-58	14
792	Interaction between metals and chelating agents affects glutamate binding on brain synaptic membranes. 2003 , 28, 1859-65	29
791	Novel radical-responsive MRI contrast agent based on paramagnetic liposomes. 2003 , 41, 585-588	34
790	Effects of oxidation and reduction on the membrane activity of a cysteine dimerizable peptide. 2003 , 27, 197-207	
789	Effects of oxidation and reduction on contractile function in skeletal muscle fibres of the rat. 2003 , 546, 149-63	87
788	Coordination properties of tris(2-carboxyethyl)phosphine, a newly introduced thiol reductant, and its oxide. 2003 , 42, 1994-2003	97
787	Metal-1,4-dithio-2,3-dihydroxybutane chelates: novel inhibitors of the Rho transcription termination factor. <i>Biochemistry</i> , 2003 , 42, 9121-6	3.2 5
786	Preparation of antimicrobial reduced lysozyme compatible in food applications. 2003 , 51, 5154-61	34
785	Swelling Kinetics of Disulfide Cross-Linked Microgels. 2003 , 36, 3960-3966	61
784	Silver ion induces a cyclosporine a-insensitive permeability transition in rat liver mitochondria and release of apoptogenic cytochrome C. 2003 , 134, 43-9	81
783	Phosphine-assisted Rearrangement of 4,5-Dihydroxy-1,2-dithianes to 4-Hydroxy-3-mercaptotetrahydrothiophenes. 2003 , 60, 47	7
782	Thin-layer preparations of dithiothreitol-treated bronchial washing specimens. 2003 , 47, 637-44	4
781	Morphologically Well-defined Gold Nanoparticles Embedded in Thermo-Responsive Hydrogel Matrices. 2004 , 820, 270	12
780	Identification of the <i>Entamoeba histolytica</i> galactose-inhibitable lectin epitopes recognized by human immunoglobulin A antibodies following cure of amebic liver abscess. 2004 , 72, 3974-80	24
779	Induced sputum methodology: Validity and reproducibility of total glutathione measurement in supernatant of healthy and asthmatic individuals. 2004 , 144, 38-44	18
778	Suppression of GABA(B) receptor function in vivo by disulfide reducing agent, DL-dithiothreitol (DTT). 2004 , 174, 283-90	10
777	Rapid analysis of inflammatory cytokines in cerebrospinal fluid using chip-based immunoaffinity electrophoresis. 2004 , 25, 1652-9	75
776	Detachable immobilization of liposomes on polymer gel particles. 2004 , 37, 35-42	7

775	Cyclic voltammetric study of the redox system of glutathione using the disulfide bond reductant tris(2-carboxyethyl)phosphine. 2004 , 63, 19-24	82
774	Excimer probe of the binding of alkyl disulfides to gold nanoparticles and subsequent monolayer dynamics. 2004 , 3, 29-32	29
773	AB INITIO MOLECULAR ORBITAL STUDY OF 1,2-DITHIANE AND 1,2,4,5-TETRATHIANE. 2004 , 179, 2015-2023	5
772	Development and Validation of a Method for the Determination of Phenylbutazone Drug Residues in Bovine, Equine, and Porcine Muscle Tissues Using HPLC with UV Detection. 2004 , 27, 3013-3027	7
771	New water-soluble phosphines as reductants of peptide and protein disulfide bonds: reactivity and membrane permeability. <i>Biochemistry</i> , 2004 , 43, 15195-203	3.2 148
770	A method for selective conjugation of an analyte to enzymes without unwanted enzyme-enzyme cross-linking. 2004 , 331, 40-45	2
769	New frontiers in proteomics research: a perspective. 2005 , 299, 1-18	65
768	Gramicidin D and dithiothreitol effects on erythrocyte exovesiculation. 2005 , 43, 419-30	7
767	Design and synthesis of ¹⁴ C-labelled proteins as tools for protein digestion studies in fish larvae. 2005 , 11, 395-401	7
766	The effect of thiol compounds on the autolysis of papain. 1980 , 113, 189-93	3
765	Hypericin-Like Photoreceptors. 2005 , 417-432	2
764	Structural insights into Alzheimer filament assembly pathways based on site-directed mutagenesis and S-glutathionylation of three-repeat neuronal Tau protein. 2005 , 67, 156-63	24
763	Metallic Zinc Reduction of Disulfide Bonds between Cysteine Residues in Peptides and Proteins. 2005 , 11, 261-265	21
762	Metabolic activation of pioglitazone identified from rat and human liver microsomes and freshly isolated hepatocytes. 2005 , 33, 733-8	39
761	Characterization of an iodothyronine 5'-deiodinase in gilthead seabream (<i>Sparus auratus</i>) that is inhibited by dithiothreitol. 2005 , 146, 5621-30	36
760	Active-site peptide "fingerprinting" of glycosidases in complex mixtures by mass spectrometry. Discovery of a novel retaining beta-1,4-glycanase in <i>Cellulomonas fimi</i> . 2005 , 280, 35126-35	66
759	Synthesis of Degradable Miktoarm Star Copolymers via Atom Transfer Radical Polymerization. 2005 , 38, 5995-6004	161
758	Kinetics of swelling of polyether-modified poly(acrylic acid) microgels with permanent and degradable cross-links. 2005 , 21, 1590-8	52

757	Catalysis of protein disulfide bond isomerization in a homogeneous substrate. <i>Biochemistry</i> , 2005 , 44, 12168-78	3.2	18
756	Folding studies on a knotted protein. 2005 , 346, 1409-21		103
755	Colorimetric analysis of protein sulfhydryl groups in milk: applications and processing effects. 2005 , 45, 1-23		47
754	Selective surface activation of a functional monolayer for the fabrication of nanometer scale thiol patterns and directed self-assembly of gold nanoparticles. 2005 , 127, 8302-3		90
753	Protein Analysis and Purification. 2006 ,		2
752	Substrate mapping and inhibitor profiling of falcipain-2, falcipain-3 and berghepain-2: implications for peptidase anti-malarial drug discovery. 2006 , 399, 47-57		44
751	Synthesis and aggregation behavior of thermally responsive star polymers. 2006 , 22, 6352-60		49
750	Switching catalytic reaction conducted in pore void of mesoporous material by redox gate control. 2006 , 4635-7		53
749	Targeted guanine oxidation by a dinuclear copper(II) complex at single stranded/double stranded DNA junctions. 2006 , 45, 7144-59		67
748	Disulfide cross-linked polymer capsules: en route to biodeconstructible systems. 2006 , 7, 27-30		304
747	Catalysis of electron transfer by selenocysteine. <i>Biochemistry</i> , 2006 , 45, 6038-43	3.2	84
746	Acidic Dithiothreitol Reduction on Disulfide Bonds using Cation-Exchange Chromatography. 2006 , 29, 2513-2520		6
745	Inhibition of indoleamine 2,3 dioxygenase activity by H ₂ O ₂ . 2006 , 450, 9-19		27
744	Reflections on the role of the thiol group in biology. 2000 , 899, 148-58		26
743	Label free analysis of transcription factors using microcantilever arrays. 2006 , 21, 1599-605		87
742	Fluorescence-based detection of thiols in vitro and in vivo using dithiol probes. 2006 , 352, 265-73		132
741	The formation of disulfides by the [Fe(eta) ⁵ -C ₅ H ₅] ²⁺ catalyzed air oxidation of thiols and dithiols. 2006 , 359, 3996-4000		24
740	The CXXC motif at the N terminus of an alpha-helical peptide. 2006 , 15, 1945-50		38

739	Nanomechanical force measurements of gliadin protein interactions. 2006 , 83, 658-67	13
738	Mercury toxicity in the shark (<i>Squalus acanthias</i>) rectal gland: apical CFTR chloride channels are inhibited by mercuric chloride. 2006 , 305, 259-67	14
737	Chemie und Biochemie Des Disulfidaustausches. 2006 , 199-237	
736	Biochemistry of -galactosidases. 1972 , 36, 91-130	65
735	Molecular and cellular aspects of thiol-disulfide exchange. 1990 , 63, 69-172	325
734	Getting Started with Protein Purification. 2005 , 118-152	
733	Direct measurement of the rate of glutathione synthesis in 1-chloro-2,4-dinitrobenzene treated human erythrocytes. 2006 , 11, 9-14	9
732	Liposome Immobilization on Cross-linked Polymer Gel by In Situ Formation of Cleavable Covalent Bonds. 2006 , 21, 539-555	2
731	Chemistry in Proteomics: An Interplay between Classical Methods in Chemical Modification of Proteins and Mass Spectrometry at the Cutting Edge. 2006 , 3, 33-54	6
730	Identification of a disulfide bridge linking the fourth and the seventh extracellular loops of the Na ⁺ /glucose cotransporter. 2006 , 127, 145-58	24
729	Adherence-inhibitory intestinal immunoglobulin a antibody response in baboons elicited by use of a synthetic intranasal lectin-based amebiasis subunit vaccine. 2007 , 75, 3812-22	18
728	Effects of protease inhibitors on mediator preservation in the supernatant of induced sputum. 2007 , 28, 385-94	1
727	Identification and characterization of a selenoprotein family containing a diselenide bond in a redox motif. 2007 , 104, 13919-24	82
726	Oxidative switches in functioning of mammalian copper chaperone Cox17. 2007 , 408, 139-48	48
725	Purification and properties of α -amylase produced by bacillus polymyxa. 2007 , 25, 229-238	20
724	Structure and localization of an essential transmembrane segment of the proton translocation channel of yeast H ⁺ -V-ATPase. 2007 , 1768, 218-27	17
723	Tunable disassembly of micelles using a redox trigger. 2007 , 23, 7916-9	76
722	Reversible formation of hybrid nanostructures via an organic linkage. 2007 , 3850-2	7

721	Stimulated release of small molecules from polyelectrolyte multilayer nanocoatings. 2007 , 1415-7	11
720	Activation of the heterodimeric central complex SoxYZ of chemotrophic sulfur oxidation is linked to a conformational change and SoxY-Y interprotein disulfide formation. <i>Biochemistry</i> , 2007 , 46, 10990-8 ^{3,2}	13
719	Oxidation artifacts in the electrospray mass spectrometry of Abeta Peptide. 2007 , 79, 2031-6	88
718	"Green" atom transfer radical polymerization: from process design to preparation of well-defined environmentally friendly polymeric materials. 2007 , 107, 2270-99	1132
717	Evaluation of Chemical Amendments for pH and Redox Stabilization in Aqueous Suspensions of Three California Soils. 2007 , 71, 927-939	10
716	. 2007 ,	3
715	Selective Depletion and Enrichment Methods for the Analysis of Protein and Peptide Pools. 233-264	
714	A gadolinium triacetic monoamide DOTA derivative with a methanethiosulfonate anchor group. Relaxivity properties and conjugation with albumin and thiolated particles. 2007 , 2, 24-34	28
713	LC/MS characterization of undesired products formed during iodoacetamide derivatization of sulfhydryl groups of peptides. 2007 , 42, 233-43	54
712	Enhancing long-term thermal stability in mesophilic glutamate dehydrogenase from <i>Clostridium symbiosum</i> by eliminating cysteine residues. 2007 , 41, 706-710	5
711	Enhancement of Lysosomal Osmotic Sensitivity Induced by the Photooxidation of Membrane Thiol Groups¶. 2007 , 75, 134-139	
710	Electron paramagnetic resonance and Mössbauer spectroscopy of intact mitochondria from respiring <i>Saccharomyces cerevisiae</i> . 2007 , 12, 1029-53	33
709	ProteinProtein Interactions in High Moisture-Extruded Meat Analogs and Heat-Induced Soy Protein Gels. 2007 , 84, 741-748	83
708	Photo-induced reduction of flavin mononucleotide in aqueous solutions. 2007 , 332, 55-65	30
707	Fluorescence quenching of flavins by reductive agents. 2007 , 336, 14-21	23
706	Determination of dithiothreitol in complex protein mixtures by HPLC-MS. 2008 , 31, 3489-96	9
705	Importance of LPS structure on protein interactions with <i>Pseudomonas aeruginosa</i> . 2008 , 67, 115-21	19
704	Elimination of keratin artifact bands from western blots by using low concentrations of reducing agents. 2008 , 382, 141-3	6

703	Quantitative analysis of metabolites in complex biological samples using ion-pair reversed-phase liquid chromatography-isotope dilution tandem mass spectrometry. 2008 , 1187, 103-10	34
702	Synthesis of cyclic disulfides using didecyldimethylammonium bromide as phase transfer catalyst. 2008 , 49, 520-522	22
701	Effect of N-Acetylcystein on butyrate-treated Chinese hamster ovary cells to improve the production of recombinant human interferon-beta-1a. 2005 , 21, 1154-64	37
700	IgM anti-idiotypes that block anti-HLA antibodies: naturally occurring or immune antibodies?. 1991 , 83, 116-20	13
699	Sputum eosinophils from asthmatics express ICAM-1 and HLA-DR. 1991 , 86, 271-7	96
698	Disulfide bonds are a requirement for Kell and Cartwright (Yta) blood group antigen integrity. 2008 , 54, 573-578	2
697	Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay. 1973 , 3, 1-9	22
696	Contact solvents for common bile duct stones. Study in an in vitro system. 1995 , 15, 247-52	2
695	Effect of dithioerythritol on human lymphocyte chromosome length. 1986 , 105, 241-3	2
694	An oxygen scavenging system for improvement of dye stability in single-molecule fluorescence experiments. 2008 , 94, 1826-35	562
693	Chapter 2.2:Strategies for the Oxidative in vitro Refolding of Disulfide-bridge-containing Proteins. 2008 , 192-219	1
692	Bioconjugate Techniques - Pages 1041-1132. 2008 , 1041-1132	
691	Metal-mediated thiol-disulfide interconversion--a new tool for metallosupramolecular chemistry. 2008 , 3795-7	7
690	Single-molecule force spectroscopy measurements of bond elongation during a bimolecular reaction. 2008 , 130, 6479-87	119
689	Self-arrangement among charge-stabilized gold nanoparticles on a dithiothreitol reactivated octanedithiol monolayer. 2008 , 8, 3989-92	39
688	Regulation of the activity of Escherichia coli quinolinate synthase by reversible disulfide-bond formation. <i>Biochemistry</i> , 2008 , 47, 8467-9	3,2 8
687	Reactive-electrospray-assisted laser desorption/ionization for characterization of peptides and proteins. 2008 , 80, 6995-7003	68
686	Effect of Cysteine vs. Histidine on the Electronic Structure of Zn ²⁺ Upon Complex Formation. 2008 , 222, 727-738	10

685	. 2008 ,	6
684	Overview of the main methods used to combine proteins with nanosystems: absorption, bioconjugation, and encapsulation. 2009 , 37	9
683	The effect of dithiothreitol on chemotactic factors in induced sputum of chronic obstructive pulmonary disease patients. 2009 , 78, 217-22	10
682	Induced sputum in interstitial lung diseases: novel insights in the diagnosis, evaluation and research. 2009 , 77, 351-8	14
681	Modulation of the structure, catalytic activity, and fidelity of African swine fever virus DNA polymerase X by a reversible disulfide switch. 2009 , 284, 18434-44	8
680	Modulation of redox switches of copper chaperone Cox17 by Zn(II) ions determined by new ESI MS-based approach. 2009 , 11, 985-95	6
679	Untersuchungen zur enzymatischen Freisetzung von Lysin, Methionin, Cyst(e)in und Tryptophan aus Casein und Getreideproteinen und deren photometrische Direktbestimmung. 2009 , 46, 72-89	
678	The reduction of protein disulfide bonds in the absence of denaturants. 1969 , 1, 117-24	38
677	Symmetrical disulfide bonds as S-protecting groups and their cleavage by dithiothreitol: synthesis of oxytocin with high biological activity. 1973 , 5, 283-8	14
676	PITUITARY LACTOGENIC HORMONE. XXXVII.. 2009 , 7, 389-393	5
675	Diabetogenic action of human growth hormone. Synthesis and activity of C-terminal fragments. 1979 , 13, 195-200	3
674	Contribution of disulfide bonds to stability of the folding intermediate of alpha-lactalbumin. 1989 , 33, 289-97	25
673	Human recombinant CuZn-superoxide dismutase. 2009 , 37, 122-127	
672	Synthesis of substrate analogues for trypanothione reductase. 1993 , 41, 141-6	11
671	The peroxynitrite evoked contractile depression can be partially reversed by antioxidants in human cardiomyocytes. 2009 , 13, 2200-2209	3
670	The effect of in vitro dithioerythritol exposure on human metaphase chromosome structure. 1979 , 91, 105-9	5
669	The functional expression and characterisation of a cysteine peptidase from the invasive stage of the neuropathogenic schistosome <i>Trichobilharzia regenti</i> . 2009 , 39, 201-11	30
668	TCEP treatment reduces proteolytic activity of BoNT/B in human neuronal SHSY-5Y cells. 2009 , 107, 1021-30	13

667	Application of immunoaffinity capillary electrophoresis to the measurements of secreted cytokines by cultured astrocytes. 2009 , 32, 1605-12	17
666	Hochauflösende Mikroskopie mit kleinen organischen Farbstoffen. 2009 , 121, 7036-7041	38
665	Super-resolution imaging with small organic fluorophores. 2009 , 48, 6903-8	330
664	Determination of glutathione disulfide levels in biological samples using thiol-disulfide exchanging agent, dithiothreitol. 2009 , 23, 119-23	37
663	H ₂ O ₂ -mediated modulation of cytosolic signaling and organelle function in rat hippocampus. 2009 , 458, 937-52	44
662	Rapid and effective method of RNA isolation from green microalga <i>Ankistrodesmus convolutus</i> . 2009 , 43, 148-53	17
661	Unexpected lability of cysteine acetamidomethyl thiol protecting group. Tyrosine ring alkylation and disulfide bond formation upon acidolysis. 1997 , 49, 341-6	21
660	Reduction of disulfide bonds within anti-D results in enhanced Fcγ receptor blockade. 2009 , 49, 928-36	2
659	An introduction to methods for analyzing thiols and disulfides: Reactions, reagents, and practical considerations. 2009 , 394, 147-58	209
658	Improving the Quantum Yields of Semiconductor Quantum Dots through Photoenhancement Assisted by Reducing Agents. 2009 , 113, 7561-7566	33
657	Enzyme activity of phosphatase of regenerating liver is controlled by the redox environment and its C-terminal residues. <i>Biochemistry</i> , 2009 , 48, 4262-72	3.2 23
656	ChE, GST and CAT: evaluation of the efficiency of a combined buffer for protein extraction. 2009 , 72, 1609-13	6
655	Expression of peptidylarginine deiminase from <i>Porphyromonas gingivalis</i> in <i>Escherichia coli</i> : enzyme purification and characterization. 2009 , 488, 14-22	38
654	Mechanochemistry: one bond at a time. 2009 , 3, 1628-45	116
653	Natural and synthetic α,β -unsaturated carbonyls for NF- κ B inhibition. 2009 , 1, 179-200	24
652	Important but little known (or forgotten) artifacts in protein biochemistry. 2009 , 463, 813-20	8
651	Biophysics and the Challenges of Emerging Threats. 2009 ,	
650	Chapter 4. Peptidases of trematodes. 2009 , 69, 205-97	59

649	Biomarkers obtained by non-invasive methods in patients with COPD: where do we stand, what do we expect?. 2009 , 16, 2824-38	23
648	Tuning Coordination Environments Through Ligand Redox Chemistry: the Thiol - Disulfide Reaction. 2010 , 63, 1334	9
647	Stabilization of proteins for storage. 2010 , 2010, pdb.top79	35
646	Redox addressable ligands in copper(II) coordination chemistry: thione and oligosulfide-bridged 6-methyl-2,2'-bipyridines. 2010 , 12, 2928	6
645	Multidentate poly(ethylene glycol) ligands provide colloidal stability to semiconductor and metallic nanocrystals in extreme conditions. 2010 , 132, 9804-13	170
644	Structure and properties of biodegradable wheat gluten/attapulgite nanocomposite sheets. 2010 , 95, 1581-1587	21
643	Disulfide bond cleavage: a redox reaction without electron transfer. 2010 , 16, 5097-101	24
642	An alternative standard for Trolox-equivalent antioxidant-capacity estimation based on thiol antioxidants. Comparative 2,2'-azino[3-ethylbenzothiazoline-6-sulfonic acid] decolorization and rotational viscometry study regarding hyaluronan degradation. 2010 , 7, 2191-200	12
641	Analysis of neurotrophins in human serum by immunoaffinity capillary electrophoresis (ICE) following traumatic head injury. 2010 , 878, 194-200	31
640	Convenient supported recyclable material based on dihydrolipoyl-residue for the reduction of disulfide derivatives. 2010 , 51, 3309-3311	7
639	Effect of the Reducing Agent Dithiothreitol on Ethanol and Acetic Acid Production by Clostridium Strain P11 Using Simulated Biomass-Based Syngas. 2010 , 3, 19-35	19
638	Obesity, longevity, quality of life: alteration by dietary 2-mercaptoethanol. 2010 , 1, 509-15	9
637	Caseins: utilizing molecular chaperone properties to control protein aggregation in foods. 2010 , 58, 685-93	42
636	Hydrogen sulfide increases glutathione production and suppresses oxidative stress in mitochondria. 2010 , 12, 1-13	471
635	Fluorescence-based liver microsomal assay for screening of pharmaceutical reactive metabolites using a glutathione conjugated 96-well plate. 2010 , 21, 46-55	7
634	Synthesis and Characterization of Methionine- and Cysteine-Substituted Phosphazenes. 2010 , 43, 5205-5210	23
633	Characterization of recombinantly produced spider flagelliform silk domains. 2010 , 170, 420-5	33
632	Increases in airway eosinophilia and a th1 cytokine during the chronic asymptomatic phase of asthma. 2010 , 104, 1436-43	15

631	Redox Responsive Behavior of Thiol/Disulfide-Functionalized Star Polymers Synthesized via Atom Transfer Radical Polymerization. 2010 , 43, 4133-4139	138
630	Site-specific proteomics approach for study protein S-nitrosylation. 2010 , 82, 7160-8	52
629	High aspect ratio constructive nanolithography with a photo-dimerizable molecule. 2010 , 26, 3623-8	12
628	A highly selective ratiometric fluorescent probe for 1,4-dithiothreitol (DTT) detection. 2010 , 8, 1650-4	42
627	Effects of N,N,N',N'-tetramethylethylenediamine on the properties of CdTe quantum dots. 2011 , 21, 13299	1
626	Photocatalytical reduction of disulphide bonds in peptides on Ag-loaded nano-TiO ₂ for subsequent derivatization and determination. 2011 , 136, 3602-4	4
625	Unification of the copper(I) binding affinities of the metallo-chaperones Atx1, Atox1, and related proteins: detection probes and affinity standards. 2011 , 286, 11047-55	184
624	Site-specific chemical labeling of long RNA molecules. 2011 , 22, 95-100	14
623	Rapidly disassembling nanomicelles with disulfide-linked PEG shells for glutathione-mediated intracellular drug delivery. 2011 , 47, 3550-2	189
622	Measuring signaling by the unfolded protein response. 2011 , 491, 261-92	18
621	Manipulating the Mass Spectrometric Properties of Peptides through Selective Chemical Modification. 2011 , 19-40	2
620	Dual-stimuli sensitive nanogels fabricated by self-association of thiolated hydroxypropyl cellulose. 2011 , 2, 672-678	58
619	The disulfide proteome and other reactive cysteine proteomes: analysis and functional significance. 2011 , 14, 2581-642	118
618	Synthesis and in vitro characterization of a novel PAA-ATP conjugate. 2011 , 37, 300-9	4
617	Convenient, inexpensive quantification of elemental sulfur by simultaneous in situ reduction and colorimetric detection. 2011 , 703, 52-7	16
616	Multi-site TBT binding skews the inhibition of oligomycin on the mitochondrial Mg-ATPase in <i>Mytilus galloprovincialis</i> . 2011 , 93, 1157-64	19
615	Efficient overexpression and purification of active full-length human transcription factor Yin Yang 1 in <i>Escherichia coli</i> . 2011 , 77, 198-206	7
614	Role of sulfhydryl-dependent dimerization of soluble guanylyl cyclase in relaxation of porcine coronary artery to nitric oxide. 2011 , 90, 565-72	23

613	Degradable and Biodegradable Polymers by Controlled/Living Radical Polymerization: From Synthesis to Application. 2011 , 235-261	1
612	Differential effects of peroxyxynitrite on contractile protein properties in fast- and slow-twitch skeletal muscle fibers of rat. 2011 , 110, 705-16	43
611	Thioredoxin and dihydrolipoic acid are required for 3-mercaptopyruvate sulfurtransferase to produce hydrogen sulfide. 2011 , 439, 479-85	207
610	Review of Protein and Nucleic Acid Chemistry. 2011 , 27-52	
609	Mechanisms underlying interaction of zinc, lead, and cobalt with nonspecific permeability pores in the mitochondrial membranes. 2011 , 43, 163-172	3
608	Preparation, characterization, and in vitro drug release behavior of 6-mercaptapurine-carboxymethyl chitosan. 2011 , 83, 1952-1958	47
607	A designed redox-controlled caspase. 2011 , 20, 1421-31	9
606	Super-Resolution Fluorescence Imaging. 2011 , 219-240	
605	Novel covalent bond in proteins: calculations on model systems question the bond stability. 2011 , 12, 3449-57	2
604	Benzylidene acetal type bridged nucleic acids: changes in properties upon cleavage of the bridge triggered by external stimuli. 2011 , 17, 7918-26	11
603	Reducing agents improve enzymatic hydrolysis of cellulosic substrates in the presence of pretreatment liquid. 2011 , 155, 244-50	21
602	Induced sputum in asthma: from bench to bedside. 2011 , 18, 1415-22	46
601	Multiple actions of the anthracycline daunorubicin on cardiac ryanodine receptors. 2011 , 80, 538-49	20
600	Thiol reactive probes and chemosensors. 2012 , 12, 15907-46	223
599	Hydrogen Peroxide Associated with Ambient Fine-Mode, Diesel, and Biodiesel Aerosol Particles in Southern California. 2012 , 46, 394-402	25
598	Optimization of protease extraction from horse mango (<i>Mangifera foetida</i> Lour) kernels by a response surface methodology. 2012 , 76, 1438-44	10
597	Chemical and Physical Behavior of Human Hair. 2012 ,	151
596	Crucial yet divergent roles of mitochondrial redox state in skeletal muscle vs. brown adipose tissue energetics. 2012 , 26, 363-75	48

595	Heparin enhances protamine disulfide bond reduction during in vitro decondensation of human spermatozoa. 2012 , 27, 1930-8		11
594	Quantitative evaluation of bioorthogonal chemistries for surface functionalization of nanoparticles. 2012 , 23, 2444-50		29
593	An arsenic fluorescent compound as a novel probe to study arsenic-binding proteins. 2012 , 31, 656-66		3
592	In vitro susceptibility of thioredoxins and glutathione to redox modification and aging-related changes in skeletal muscle. 2012 , 53, 2017-27		24
591	Protein reducing agents dithiothreitol and tris(2-carboxyethyl)phosphine anodic oxidation. 2012 , 23, 114-117		24
590	Self-Healing Polymer Films Based on ThiolDisulfide Exchange Reactions and Self-Healing Kinetics Measured Using Atomic Force Microscopy. 2012 , 45, 142-149		360
589	Monitoring intracellular redox potential changes using SERS nanosensors. 2012 , 6, 888-96		77
588	Redox and metal ion binding properties of human insulin-like growth factor 1 determined by electrospray ionization mass spectrometry. <i>Biochemistry</i> , 2012 , 51, 5851-9	3.2	3
587	Improved solubility of replication factor C (RFC) Walker A mutants. 2012 , 83, 135-44		5
586	Tributyltin-driven enhancement of the DCCD insensitive Mg-ATPase activity in mussel digestive gland mitochondria. 2012 , 94, 727-33		11
585	Kinetics and thiol requirements of iodothyronine 5'-deiodination are tissue-specific in common carp (<i>Cyprinus carpio</i> L.). 2012 , 161, 275-82		7
584	Tri-n-butyltin binding to a low-affinity site decreases the F1FO-ATPase sensitivity to oligomycin in mussel mitochondria. 2012 , 26, 593-599		17
583	Colorimetric Probe for the Detection of Thiols: The Dihydroazulene/Vinylheptafulvene System. 2012 , 2012, 6064-6069		7
582	Proteomic profiling of the rat hypothalamus. 2012 , 10, 26		8
581	Glycoside and peptide clustering around the octasilsesquioxane scaffold via photoinduced free-radical thiol-ene coupling. The observation of a striking glycoside cluster effect. 2012 , 10, 3269-77		55
580	Mechanical force can fine-tune redox potentials of disulfide bonds. 2012 , 102, 622-9		42
579	A potent, versatile disulfide-reducing agent from aspartic acid. 2012 , 134, 4057-9		73
578	Protein Electrophoresis. 2012 ,		26

577	ROS-mediated decline in maximum Ca ²⁺ -activated force in rat skeletal muscle fibers following in vitro and in vivo stimulation. 2012 , 7, e35226	23
576	Improved Synthesis and Crystal Structure of Dalcetrapib. 2012 , 2, 1455-1459	2
575	Fluorescent staining of gels. 2012 , 869, 543-50	1
574	Strategies for covalently reticulated polymer multilayers. 2012 , 8, 9738	47
573	Optimization of protein sample preparation for two-dimensional electrophoresis. 2012 , 33, 1947-57	16
572	Stereochemischer Verlauf einer Benzyl-Kohlenstoff-Substitution kombiniert mit Ringmodifikation der 2-Nitrobenzylgruppen als Schlüsselfaktoren für schnell spaltende, reversible Terminatoren. 2012 , 124, 1756-1759	7
571	Development and application of site-specific proteomic approach for study protein S-nitrosylation. 2012 , 42, 1541-51	8
570	Role of a reducing environment in disassembly of the herpesvirus tegument. 2012 , 431, 71-9	16
569	Stereochemistry of benzylic carbon substitution coupled with ring modification of 2-nitrobenzyl groups as key determinants for fast-cleaving reversible terminators. 2012 , 51, 1724-7	28
568	Fast and selective modification of thiol proteins/peptides by N-(phenylseleno)phthalimide. 2012 , 23, 520-9	17
567	Effect of thiosulphinates contained in garlic extract on growth, proton fluxes and membrane potential in maize (<i>Zea mays</i> L.) coleoptile segments. 2012 , 34, 41-52	11
566	Molecular Mechanisms of Cadmium-Induced Nonspecific Mitochondrial Permeability. 2012 , 43, 494-497	
565	Why do proteins use selenocysteine instead of cysteine?. 2012 , 42, 39-44	53
564	Site-directed antibody immobilization techniques for immunosensors. 2013 , 50, 460-71	207
563	In vitro and cellular self-assembly of a Zn-binding protein cryptand via templated disulfide bonds. 2013 , 135, 12013-22	28
562	Sulfhydryl-dependent dimerization of soluble guanylyl cyclase modulates the relaxation of porcine pulmonary arteries to nitric oxide. 2013 , 465, 333-41	11
561	Poly(ethylene glycol)- and carboxylate-functionalized gold nanoparticles using polymer linkages: single-step synthesis, high stability, and plasmonic detection of proteins. 2013 , 29, 13518-26	21
560	Propofol modulation of α glycine receptors does not require a structural transition at adjacent subunits that is crucial to agonist-induced activation. 2013 , 4, 1469-78	8

559	Electrochemistry and UV-vis spectroscopy of synthetic thiocholine: Revisiting the electro-oxidation mechanism. 2013 , 112, 500-504	12
558	Regulation of ion transport by oxidants. 2013 , 305, L595-603	19
557	References. 2013 , 1017-1094	
556	Determination of inorganic arsenic in water by a quartz crystal microbalance. 2013 , 5, 6286	4
555	Effects of metal ions and disulfide bonds on the activity of phosphodiesterase from <i>Trimeresurus stejnegeri</i> venom. 2013 , 5, 920-7	5
554	Controlled radical polymerization of a styrenic sulfonium monomer and post-polymerization modifications. 2013 , 4, 2115	14
553	Disulfide cross-linked antiparallel actin dimer. <i>Biochemistry</i> , 2013 , 52, 1082-8	3.2 4
552	Induction of protein conformational change inside the charged electrospray droplet. 2013 , 48, 193-204	22
551	Determination of the warfarin inhibition constant K_i for vitamin K 2,3-epoxide reductase complex subunit-1 (VKORC1) using an in vitro DTT-driven assay. 2013 , 1830, 4202-10	26
550	OhrRA functions as a redox-responsive system controlling toxinogenesis in <i>Bacillus cereus</i> . 2013 , 94, 527-39	22
549	Dimeric gold nanoparticle assemblies as tags for SERS-based cancer detection. 2013 , 2, 1370-6	76
548	Synthesis of branched polysaccharides with tunable degree of branching. 2013 , 93, 31-7	43
547	Effect of S-nitrosoglutathione on renal mitochondrial function: a new mechanism for reversible regulation of manganese superoxide dismutase activity?. 2013 , 56, 54-63	11
546	The adsorption selectivity of the functional groups of dithiothreitol and 1,4-butanedithiol 2,3-diamino on the Ge(1 0 0) surface. 2013 , 567, 66-72	
545	Volume change of double cross-linked poly(aspartic acid) hydrogels induced by cleavage of one of the crosslinks. 2013 , 9, 5122-31	34
544	Structural separations by ion mobility-MS for glycomics and glycoproteomics. 2013 , 951, 171-94	25
543	Reversible inactivation of dihydrolipoamide dehydrogenase by mitochondrial hydrogen peroxide. 2013 , 47, 123-33	39
542	Using UV-absorbance of intrinsic dithiothreitol (DTT) during RP-HPLC as a measure of experimental redox potential in vitro. 2013 , 405, 6379-84	7

541	Mass Spectrometry of Glycoproteins. 2013 ,	5
540	Emergence of large chiroptical responses by ligand exchange cross-linking of monolayer-protected gold clusters with chiral dithiol. 2013 , 29, 6444-51	9
539	Polymer-coated echogenic lipid nanoparticles with dual release triggers. 2013 , 14, 841-53	28
538	A novel HPLC-electrochemical detection approach for the determination of D-penicillamine in skin specimens. 2013 , 103, 355-60	32
537	Comparative analysis of the expression patterns of UPR-target genes caused by UPR-inducing compounds. 2013 , 77, 729-35	28
536	A novel electrochemical method for efficient reduction of disulfide bonds in peptides and proteins prior to MS detection. 2013 , 405, 9311-20	47
535	W. W. "Mo" Cleland: a catalytic life. <i>Biochemistry</i> , 2013 , 52, 9092-6	3.2 6
534	The structural model of Salmonella typhimurium ethanolamine ammonia-lyase directs a rational approach to the assembly of the functional [(EutB-EutC)] ₂ oligomer from isolated subunits. <i>Biochemistry</i> , 2013 , 52, 1419-28	3.2 14
533	FeoC from Klebsiella pneumoniae contains a [4Fe-4S] cluster. 2013 , 195, 4726-34	18
532	Redox artifacts in electrophysiological recordings. 2013 , 304, C604-13	8
531	Measuring how much work the chaperone GroEL can do. 2013 , 110, E2451-9	18
530	Dioxygen activation by Bi(III) compounds: Air oxidation of thiols to their disulfides. 2013 , 12, 125-138	7
529	Redox regulation of Janus kinase: The elephant in the room. 2013 , 2, e26141	17
528	Investigating the photostability of quantum dots at the single-molecule level. 2014 , 9, 3542-8	8
527	Short forms of Ste20-related proline/alanine-rich kinase (SPAK) in the kidney are created by aspartyl aminopeptidase (Dnpep)-mediated proteolytic cleavage. 2014 , 289, 29273-84	17
526	Tetrakis-(4-thiophenyl)methane: Origin of a Reversible 3D-Homopolymer. 2014 , 24, 1054-1058	14
525	To Sonicate or Not to Sonicate PM Filters: Reactive Oxygen Species Generation Upon Ultrasonic Irradiation. 2014 , 48, 1276-1284	54
524	Cancer Genomics and Proteomics. 2014 ,	

523	Synthesis, characterization, and biological activity of poly(arginine)-derived cancer-targeting peptides in HepG2 liver cancer cells. 2014 , 20, 736-45	16
522	A thiol functionalized cryogel as a solid phase for selective reduction of a cysteine residue in a recombinant human growth hormone variant. 2014 , 173, 76-85	8
521	Preservation of nitric oxide-induced relaxation of porcine coronary artery: roles of the dimers of soluble guanylyl cyclase, phosphodiesterase type 5, and cGMP-dependent protein kinase. 2014 , 466, 1999-2008	5
520	Perturbation of apoptosis upon binding of tRNA to the heme domain of cytochrome c. 2014 , 19, 259-68	15
519	Gelation of graphene oxides induced by different types of amino acids. 2014 , 71, 229-237	23
518	Characterization of IgG-protein-coated polymeric nanoparticles using complementary particle sizing techniques. 2014 , 46, 663-667	22
517	Label-free dendrimer-like silica nanohybrids for traceable and controlled gene delivery. 2014 , 35, 5580-90	54
516	Beyond the flask: Reactions on the fly in ambient mass spectrometry. 2014 , 57, 135-146	62
515	Reversible cysteine oxidation in hydrogen peroxide sensing and signal transduction. <i>Biochemistry</i> , 2014 , 53, 2560-80	3.2 106
514	Multifunctional polymersomes for cytosolic delivery of gemcitabine and doxorubicin to cancer cells. 2014 , 35, 6482-97	71
513	miRNA Maturation. 2014 ,	2
512	Disassembly-driven fluorescence turn-on of polymerized micelles by reductive stimuli in living cells. 2014 , 20, 16473-7	21
511	Dynamic Covalent Diblock Copolymers: Instructed Coupling, Micellation and Redox Responsiveness. 2014 , 47, 7431-7441	21
510	Pyrazine-derived disulfide-reducing agent for chemical biology. 2014 , 50, 9591-4	5
509	Comparative biophysical properties of tenofovir-loaded, thiolated and nonthiolated chitosan nanoparticles intended for HIV prevention. 2014 , 9, 1595-612	43
508	Light-independent reactive oxygen species (ROS) formation through electron transfer from carboxylated single-walled carbon nanotubes in water. 2014 , 48, 11330-6	56
507	Covalent assembly-disassembly of poly(ether imine) dendritic macromolecular monomers and megamers. 2014 , 55, 5102-5110	2
506	Convenient synthesis of functionalized bis-ureidopyrimidinones based on thiol-yne reaction. 2014 , 20, 11699-702	10

505	Hydrogen peroxide formation in a surrogate lung fluid by transition metals and quinones present in particulate matter. 2014 , 48, 7010-7		87
504	Mechanical homogenization increases bacterial homogeneity in sputum. 2014 , 52, 2340-5		10
503	Novel highly active recombinant glutaredoxin from <i>Chlorella sorokiniana</i> T-89. 2014 , 62, 927-33		2
502	New maleimide spirobenzopyran derivatives as photochromic labels for macromolecules with sulfhydryl groups. 2014 , 24, 245-246		4
501	Telechelic poly(2-oxazoline)s with a biocidal and a polymerizable terminal as collagenase inhibiting additive for long-term active antimicrobial dental materials. 2014 , 14, 1569-79		31
500	Why selenocysteine replaces cysteine in thioredoxin reductase: a radical hypothesis. <i>Biochemistry</i> , 2014 , 53, 5017-22	3.2	25
499	Thiolates of arsenic(III), antimony(III), and bismuth(III) with dl- α -dihydrolipoic acid. 2014 , 145, 897-909		9
498	Hydrophobic interactions in donor-disulphide-acceptor (DSSA) probes looking beyond fluorescence resonance energy transfer theory. 2014 , 24, 1297-306		2
497	Blue light-induced dimerization of monomeric aureochrome-1 enhances its affinity for the target sequence. 2014 , 289, 17379-91		34
496	Immune and anticancer responses elicited by fully synthetic aberrantly glycosylated MUC1 tripartite vaccines modified by a TLR2 or TLR9 agonist. 2014 , 15, 1508-13		53
495	Impact of sulfur and vitamin C on the allergenicity of Mal d 2 from apple (<i>Malus domestica</i>). 2014 , 62, 7622-30		5
494	Degradation Kinetics of Model Hyperbranched Chains with Uniform Subchains and Controlled Locations of Cleavable Disulfide Linkages. 2014 , 47, 650-658		25
493	Calcium regulation in aortic smooth muscle cells during the initial phase of tunicamycin-induced endo/sarcoplasmic reticulum stress. 2014 , 735, 86-96		6
492	Hydrogen sulfide maintains mesenchymal stem cell function and bone homeostasis via regulation of Ca(2+) channel sulfhydration. 2014 , 15, 66-78		170
491	Reversible native chemical ligation: a facile access to dynamic covalent peptides. 2014 , 136, 6333-9		55
490	Ionic liquid 1-ethyl-3-methylimidazolium acetate: an attractive solvent for native chemical ligation of peptides. 2014 , 55, 3658-3662		10
489	Characterization of a Water-Soluble Keratin Protein Involved with Reactive Residues and the Modification of the Hair Surface with the Protein. 2014 , 48, 190-199		
488	Hydrogen sulfide and polysulfides as signaling molecules. 2015 , 91, 131-59		84

487	Self-Repairing Polymeric Materials. 2015 , 1-36	2
486	Digestion, Purification, and Enrichment of Protein Samples for Mass Spectrometry. 2015 , 7, 201-222	10
485	Immobilization of gold nanoclusters inside porous electrospun fibers for selective detection of Cu(II): A strategic approach to shielding pristine performance. 2015 , 5, 15608	32
484	An off-the-shelf integrated microfluidic device comprising self-assembled monolayers for protein array experiments. 2015 , 9, 054108	4
483	Anaerobic Cultivation. 2015 , 2.1.2-1-2.1.2-12	1
482	Lipoylated Peptides and Proteins. 2015 , 1	
481	Lipid binding protein response to a bile acid library: a combined NMR and statistical approach. 2015 , 282, 4094-113	5
480	Comparative analysis of cell morphology in sputum samples homogenized with dithiothreitol, N-acetyl-L cysteine, Cytorich(®) red preservative and in cellblock preparations to enhance the sensitivity of sputum cytology for the diagnosis of lung cancer. 2015 , 43, 551-8	18
479	Synthesis of a high specific activity methyl sulfone tritium isotopologue of fevipirant (NVP-QAW039). 2015 , 58, 188-95	8
478	Inhibition of Cytosolic Phospholipase A2(cPLA2) by Medicinal Plants in Relation to Their Phenolic Content. 2015 , 20, 15033-48	6
477	Reversible Oxidation of a Conserved Methionine in the Nuclear Export Sequence Determines Subcellular Distribution and Activity of the Fungal Nitrate Regulator NirA. 2015 , 11, e1005297	21
476	Dimerization and thiol sensitivity of the salicylic acid binding thimet oligopeptidases TOP1 and TOP2 define their functions in redox-sensitive cellular pathways. 2015 , 6, 327	9
475	Genetically improved monolayer-forming tobacco mosaic viruses to generate nanostructured semiconducting bio/inorganic hybrids. 2015 , 31, 3897-903	22
474	Electrically Tunable Ultra-specific Zinc Oxide Biosensor. 2015 , 1720, 33	
473	Cryostructuring of polymer systems. Proteinaceous wide-pore cryogels generated by the action of denaturant/reductant mixtures on bovine serum albumin in moderately frozen aqueous media. 2015 , 11, 4921-31	13
472	Enzymatic control of cysteinyl thiol switches in proteins. 2015 , 396, 401-13	40
471	The chemical biology of hydropersulfides (RSSH): Chemical stability, reactivity and redox roles. 2015 , 588, 15-24	47
470	Dithiothreitol (DTT) Acts as a Specific, UV-inducible Cross-linker in Elucidation of Protein-RNA Interactions. 2015 , 14, 3196-210	6

469	Luciferin-Regenerating Enzyme Mediates Firefly Luciferase Activation Through Direct Effects of D-Cysteine on Luciferase Structure and Activity. 2015 , 91, 828-36	14
468	Two methods for one-point anchoring of a linear polysaccharide on a gold surface. 2015 , 31, 254-61	13
467	Can bio-inspired information processing steps be realized as synthetic biochemical processes?. 2015 , 212, 219-228	10
466	Coordination properties of dithiobutylamine (DTBA), a newly introduced protein disulfide reducing agent. 2015 , 54, 596-606	16
465	EPGA-coated mesoporous silica nanoparticles with covalently attached prodrugs for enhanced cellular uptake and intracellular GSH-responsive release. 2015 , 4, 771-81	42
464	Characterization of cyclic peptides containing disulfide bonds. 2015 , 109, 112-20	5
463	High efficiency reduction capability for the formation of Fab γ antibody fragments from F(ab) units. 2015 , 2, 23-28	18
462	Sulfur-based hyper cross-linked polymers. 2015 , 5, 23152-23159	6
461	Efficient synthesis of a new bifunctional Cu(I) chelator. 2015 , 56, 4434-4437	2
460	Expression and Characterization of a Novel Thermo-Alkalistable Lipase from Hyperthermophilic Bacterium <i>Thermotoga maritima</i> . 2015 , 176, 1482-97	4
459	The study of electrochemistry with ambient mass spectrometry. 2015 , 70, 20-30	15
458	Chemical and physical aspects of self-healing materials. 2015 , 49-50, 34-59	280
457	Reactive oxygen species generation and dispersant-dependent electron transfer through single-walled carbon nanotubes in water. 2015 , 89, 361-371	11
456	HPLC-HRMS method for fast phytochelatin determination in plants. Application to analysis of <i>Clinopodium vulgare</i> L. 2015 , 142, 20-7	10
455	The reaction of dithioerythritol and dithiothreitol with As(III), Sb(III), and Bi(III) compounds. 2015 , 146, 249-257	2
454	Rapid and simple preparation of thiol-ene emulsion-templated monoliths and their application as enzymatic microreactors. 2015 , 15, 2162-72	45
453	Expression and characterization of a thermostable and pH-stable α -glucuronidase encoded by a new gene from <i>Flammeovirga pacifica</i> WPAGA1. 2015 , 50, 1068-1075	32
452	Synthesis of diastereomerically pure Lys(N ϵ -lipoyl) building blocks and their use in Fmoc/tBu solid phase synthesis of lipoyl-containing peptides for diagnosis of primary biliary cirrhosis. 2015 , 21, 408-14	9

451	Determination of 3-mercaptopropionic acid by HPLC: A sensitive method for environmental applications. 2015 , 992, 103-8	9
450	Estriol-induced fibrinolysis due to the activation of plasminogen to plasmin by nitric oxide synthesis in platelets. 2015 , 26, 316-23	5
449	Gel-free proteomic methodologies to study reversible cysteine oxidation and irreversible protein carbonyl formation. 2015 , 49, 494-510	10
448	Selective S-deacetylation inspired by native chemical ligation: practical syntheses of glycosyl thiols and drug mercapto-analogues. 2015 , 17, 2545-2551	24
447	Cysteine Modification: Probing Channel Structure, Function and Conformational Change. 2015 , 869, 25-54	20
446	Lipoates as building blocks of sulfur-containing branched macromolecules. 2015 , 6, 6936-6945	25
445	Lipoylated Peptides and Proteins. 2015 , 235-252	
444	Disulfide Sensitivity in the Env Protein Underlies Lytic Inactivation of HIV-1 by Peptide Triazole Thiols. 2015 , 10, 2861-73	7
443	Structural analysis of an oxygen-regulated diguanylate cyclase. 2015 , 71, 2158-77	31
442	Effect of Bonding Forces on Corn Starch Isolation. 2015 , 92, 418-425	2
441	Investigation on lignocellulosic saccharification and characterization of haloalkaline solvent tolerant endo-1,4 β -xylanase from Halomonas meridiana APCMST-KS4. 2015 , 4, 761-766	6
440	Andrographolide sodium bisulphite-induced inactivation of urease: inhibitory potency, kinetics and mechanism. 2015 , 15, 238	12
439	Antibody Format and Drug Release Rate Determine the Therapeutic Activity of Noninternalizing Antibody-Drug Conjugates. 2015 , 14, 2606-12	46
438	Building-block design. 2015 , 115-170	
437	Tris(3-hydroxypropyl)phosphine (THPP): A mild, air-stable reagent for the rapid, reductive cleavage of small-molecule disulfides. 2015 , 25, 4114-7	13
436	Comparative analysis of the effectiveness of C-terminal cleavage intein-based constructs in producing a recombinant analog of anophelin, an anticoagulant from Anopheles albimanus. 2015 , 175, 2468-88	2
435	Total cysteine and glutathione determination in hemolymph of individual adult D. melanogaster. 2015 , 853, 660-667	10
434	Signaling molecules: hydrogen sulfide and polysulfide. 2015 , 22, 362-76	204

433	Protein Disulfide Levels and Lens Elasticity Modulation: Applications for Presbyopia. 2016 , 57, 2851-63	30
432	Biochemical characterization of wild-type and mutant (Q9F and S21Y/V22D)iron oxidases isolated from <i>Acidithiobacillus ferrooxidans</i> M1. 2016 , 40, 166-173	0
431	Synthesis, Characterization and DNA Cleavage of Copper(II) Complex with D,L-Dithiothreitol. 2016 , 15, 599	3
430	Enhancement of Photoluminescence From Semiconducting Nanotubes in Aqueous Suspensions due to Cysteine and Dithiothreitol Doping: Influence of the Sonication Treatment. 2016 , 11, 490	3
429	Use of Protein Folding Reagents. 2016 , 84, A.3A.1-A.3A.8	3
428	Refined method to study the posttranslational regulation of alternative oxidases from <i>Arabidopsis thaliana</i> in vitro. 2016 , 157, 264-79	7
427	Fidelity quantification of mercury(II) ion via circumventing biothiols-induced sequestration in enzymatic amplification system. 2016 , 6, 80296-80301	
426	Treatment With Dithiothreitol Improves Bacterial Recovery From Tissue Samples in Osteoarticular and Joint Infections. 2016 , 31, 2867-2870	31
425	Redox Control of the Human Iron-Sulfur Repair Protein MitoNEET Activity via Its Iron-Sulfur Cluster. 2016 , 291, 7583-93	42
424	Synthesis of reductive responsive polyphosphazenes and their fabrication of nanocarriers for drug delivery application. 2016 , 65, 581-591	12
423	Photo and redox-responsive vesicles assembled from Bola-type superamphiphiles. 2016 , 6, 52189-52200	7
422	Aptamers, antibody scFv, and antibody Fab' fragments: An overview and comparison of three of the most versatile biosensor biorecognition elements. 2016 , 85, 32-45	138
421	An initial phase of JNK activation inhibits cell death early in the endoplasmic reticulum stress response. 2016 , 129, 2317-2328	42
420	Characterization of Reactions between Water-Soluble Trialkylphosphines and Thiol Alkylating Reagents: Implications for Protein-Conjugation Reactions. 2016 , 27, 2400-2406	24
419	Redox-responsive core cross-linked micelles of poly(ethylene oxide)-b-poly(furfuryl methacrylate) by Diels-Alder reaction for doxorubicin release. 2016 , 54, 3741-3750	26
418	UV-Induced Disulfide Formation and Reduction for Dynamic Photopatterning. 2016 , 55, 13765-13769	28
417	UV-Induced Disulfide Formation and Reduction for Dynamic Photopatterning. 2016 , 128, 13969-13973	9
416	Preparing monodisperse macromolecular samples for successful biological small-angle X-ray and neutron-scattering experiments. 2016 , 11, 2122-2153	98

415	A Novel F420-dependent Thioredoxin Reductase Gated by Low Potential FAD: A TOOL FOR REDOX REGULATION IN AN ANAEROBE. 2016 , 291, 23084-23100	16
414	Dithiothreitol (DTT) rescues mitochondria from nitrofurantoin-induced mitotoxicity in rat. 2016 , 30, 588-592	4
413	Biodegradation and Osteosarcoma Cell Cultivation on Poly(aspartic acid) Based Hydrogels. 2016 , 8, 23463-76	46
412	Redox regulation of ATP sulfurylase in microalgae. 2016 , 478, 1555-62	9
411	Antibacterial silver core spherical nucleic acids. 2016 , 9, 30-40	0
410	The rise of proteostasis promoters. 2016 , 68, 943-954	21
409	Thiol reductive stress induces cellulose-anchored biofilm formation in <i>Mycobacterium tuberculosis</i> . 2016 , 7, 11392	77
408	S-Nitrosothiol-modified hyperbranched polyesters. 2016 , 7, 7161-7169	8
407	Free-energy studies reveal a possible mechanism for oxidation-dependent inhibition of MGL. 2016 , 6, 31046	6
406	Single-step synthesis of hyperbranched, luminescent Mn ²⁺ -doped ZnSe _{1-x} S _x nanocrystals using dichalcogenide precursors. 2016 , 4, 6907-6913	5
405	Internal Activation of Peptidyl Prolyl Thioesters in Native Chemical Ligation. 2016 , 138, 4890-9	49
404	Cell-free synthesis of isotopically labelled peptide ligands for the functional characterization of G protein-coupled receptors. 2016 , 6, 90-102	4
403	The fructanolytic abilities of the rumen bacterium <i>Butyrivibrio fibrisolvens</i> strain 3071. 2016 , 120, 29-40	7
402	Inhibition of streptococcal pyrogenic exotoxin B using allicin from garlic. 2016 , 93, 166-71	5
401	Breakable mesoporous silica nanoparticles for targeted drug delivery. 2016 , 8, 7240-7	156
400	Impact of the chemicals, essential for the purification process of strict Fe-hydrogenase, on the corrosion of mild steel. 2016 , 109, 9-23	6
399	Antioxidant activity of chemically and enzymatically modified sericin extracted from cocoons of <i>Bombyx mori</i> . 2016 , 5, 155-161	17
398	Structure and Function of a Bacterial Microcompartment Shell Protein Engineered to Bind a [4Fe-4S] Cluster. 2016 , 138, 5262-70	42

397	Reevaluating the Sperm Nuclear Chromatin Decondensation Test by Sodium Thioglycolate of Stallions Spermatozoa. 2016 , 36, 10-14	4
396	A novel cold-adapted and glucose-tolerant GH1 β -glucosidase from <i>Exiguobacterium antarcticum</i> B7. 2016 , 82, 375-80	42
395	Kinetics and mechanism of oxidation of 3,6-dioxa-1,8-octanedithiol and dl-dithiothreitol by a platinum(IV) complex. 2016 , 41, 45-55	5
394	Dual reductive/oxidative electrochemistry/liquid chromatography/mass spectrometry: Towards peptide and protein modification, separation and identification. 2017 , 1479, 153-160	8
393	A Brief Introduction to Traditional Bioconjugate Chemistry. 2017 , 1-36	4
392	Reaction behaviour of highly concentrated whey protein isolate under defined heat treatments. 2017 , 71, 114-121	18
391	Gold nanoparticles immobilized on porous monoliths obtained from disulfide-based dimethacrylate: Application to supported catalysis. 2017 , 126, 455-462	11
390	Highly Selective Fluorescent Probe for Imaging HSe in Living Cells and in Vivo Based on the Disulfide Bond. 2017 , 89, 688-693	25
389	Rapid degradation of disulfide-based thermosets through thiol-disulfide exchange reaction. 2017 , 120, 1-8	13
388	Systematic Evaluation of Protein Reduction and Alkylation Reveals Massive Unspecific Side Effects by Iodine-containing Reagents. 2017 , 16, 1173-1187	75
387	The SAT Protein of Porcine Parvovirus Accelerates Viral Spreading through Induction of Irreversible Endoplasmic Reticulum Stress. 2017 , 91,	10
386	One-step synthesis of orange fluorescent copper nanoclusters for sensitive and selective sensing of Al^{3+} ions in food samples. 2017 , 247, 312-318	54
385	Peptidomimetics II. 2017 ,	2
384	^{15}N -Labeling of Egg Proteins for Studying Protein Network Formation During Pound Cake Making. 2017 , 94, 485-490	6
383	Multiparametric Assessment of Gold Nanoparticle Cytotoxicity in Cancerous and Healthy Cells: The Role of Size, Shape, and Surface Chemistry. 2017 , 28, 449-460	68
382	Thiols of flagellar proteins are essential for progressive motility in human spermatozoa. 2017 , 29, 1435-1446	7
381	Synthesis of chlorophyll derivatives and dyads possessing a thiol or disulfide moiety and their optical properties. 2017 , 73, 6914-6921	4
380	High-purity capture and release of circulating exosomes using an exosome-specific dual-patterned immunofiltration (ExoDIF) device. 2017 , 9, 13495-13505	76

379	Biophysical and biological properties of small linear peptides derived from crotonamine, a cationic antimicrobial/antitumoral toxin with cell penetrating and cargo delivery abilities. 2017 , 1859, 2340-2349	15
378	Synthesis of (Bio)degradable Polymers by Controlled/Living Radical Polymerization. 2017 , 313-354	
377	An overview of technical considerations for Western blotting applications to physiological research. 2017 , 27, 4-25	150
376	Relationship between Chemical Composition and Oxidative Potential of Secondary Organic Aerosol from Polycyclic Aromatic Hydrocarbons. 2017 ,	1
375	HPLC Determination of the Levels of 6-Mercaptopurine Metabolites Suitable for the Clinical Risk Assessment of its Toxicity among Egyptian Children with Acute Lymphocytic Leukemia. 2017 , 08,	1
374	Survival assays using. 2017 , 40, 90-99	59
373	Redox properties of CysHis and Cys zinc fingers determined by electrospray ionization mass spectrometry. 2018 , 8, 923-931	0
372	Kinetic Resolution of sec-Thiols by Enantioselective Oxidation with Rationally Engineered 5-(Hydroxymethyl)furfural Oxidase. 2018 , 130, 2914-2918	3
371	Kinetic Resolution of sec-Thiols by Enantioselective Oxidation with Rationally Engineered 5-(Hydroxymethyl)furfural Oxidase. 2018 , 57, 2864-2868	12
370	The use of dithiothreitol for the quantitative analysis of elemental sulfur concentrations and isotopes in environmental samples. 2018 , 481, 18-26	2
369	Relationship between chemical composition and oxidative potential of secondary organic aerosol from polycyclic aromatic hydrocarbons. 2018 , 18, 3987-4003	43
368	Zippering and unzipping monolayers: switchable monolayer oligomerization and adhesion via thiol-disulfide interconversion. 2018 , 54, 3636-3639	2
367	Chromatin Immunoprecipitation. 2018 ,	1
366	Kinetic mechanism of controlled Fab-arm exchange for the formation of bispecific immunoglobulin G1 antibodies. 2018 , 293, 651-661	6
365	Disulfide-Bridged Organosilica Frameworks: Designed, Synthesis, Redox-Triggered Biodegradation, and Nanobiomedical Applications. 2018 , 28, 1707325	106
364	Upper-Rim Monofunctionalisation in the Synthesis of Triazole- and Disulfide-Linked Multicalix[4]- and -[6]arenes. 2018 , 24, 19089-19097	0
363	Redox-responsive Pickering emulsion derived from the fabricated sheddable polymeric micelles. 2018 , 158, 1-9	13
362	Fluorescent Staining of Gels. 2018 , 1853, 87-94	1

361	Disulfide-based PEGylated prodrugs: Reconversion kinetics, self-assembly and antitumor efficacy. 2018 , 172, 414-422	2
360	Activation of disulfide bond cleavage triggered by hydrophobization and lipophilization of functionalized dihydroasparagusic acid. 2018 , 16, 4320-4324	1
359	Robust Production, Crystallization, Structure Determination, and Analysis of [Fe-S] Proteins: Uncovering Control of Electron Shuttling and Gating in the Respiratory Metabolism of Molybdopterin Guanine Dinucleotide Enzymes. 2018 , 599, 157-196	7
358	Peripheral Protein Unfolding Drives Membrane Bending. 2018 , 34, 8400-8407	4
357	Reactive two-component monolayers template bottom-up assembly of nanoparticle arrays on HOPG. 2018 , 54, 8056-8059	9
356	Thirty-three-day storage of dithiothreitol-treated red blood cells used to eliminate daratumumab interference in serological testing. 2018 , 113, 686-693	4
355	Comparative Evaluation of Three Preprocessing Methods for Extraction and Detection of Influenza A Virus Nucleic Acids from Sputum. 2018 , 5, 56	11
354	Protein Gel Detection and Imaging. 2018 ,	
353	Overexpression and characterization of a novel cold-adapted and salt-tolerant GH1 α -glucosidase from the marine bacterium <i>Alteromonas</i> sp. L82. 2018 , 56, 656-664	21
352	Impact of the incorporation of solid lipid nanoparticles on α -lactoglobulin gel matrices. 2018 , 84, 498-507	11
351	Glutathione-Scavenging Poly(disulfide amide) Nanoparticles for the Effective Delivery of Pt(IV) Prodrugs and Reversal of Cisplatin Resistance. 2018 , 18, 4618-4625	123
350	Quinone-Based Antitumor Agent Sepantronium Bromide (YM155) Causes Oxygen-Independent Redox-Activated Oxidative DNA Damage. 2018 , 31, 612-618	14
349	Improved methods of DNA extraction from human spermatozoa that mitigate experimentally-induced oxidative DNA damage. 2018 , 13, e0195003	3
348	A specialized method of sputum collection and processing for therapeutic interventions in cystic fibrosis. 2019 , 18, 203-211	8
347	Endoplasmic reticulum stress signalling - from basic mechanisms to clinical applications. 2019 , 286, 241-278	309
346	Glutathione influence on the photoluminescence from semiconducting single-walled carbon nanotubes compared with other thiol compounds. 2019 , 516, 218-224	2
345	What Is Next? Mimicking Natural Biological Information Processes. 2019 , 357-369	
344	Synthesis and characterization of degradable hyperbranched poly(2-ethyl-2-oxazoline). 2019 , 57, 2030-2037	5

343	SMAP interlayer for inhibiting shuttle effect of lithium-sulfur battery. 2019 , 168, 108820	8
342	Upregulation of PBP1B and LpoB in Mutants Confers Mecillinam (Amdinocillin) Resistance in <i>Escherichia coli</i> . 2019 , 63,	5
341	The bioconjugation of DNA with gold nanoparticles towards the spectrophotometric genosensing of pathogenic bacteria. 2019 , 11, 4289-4298	3
340	Understanding the role of electron donors in the reaction catalyzed by Tsr ^m , a cobalamin-dependent radical S-adenosylmethionine methylase. 2019 , 24, 831-839	6
339	Identification of an acetonitrile addition impurity formed during peptide disulfide bond reduction using dithiothreitol and Tris(2-carboxyethyl)phosphine. 2019 , 174, 518-524	1
338	Basic Properties of a New Polymer Gel for 3D-Dosimetry at High Dose-Rates Typical for FFF Irradiation Based on Dithiothreitol and Methacrylic Acid (MAGADIT): Sensitivity, Range, Reproducibility, Accuracy, Dose Rate Effect and Impact of Oxygen Scavenger. 2019 , 11,	6
337	Checking the shuttle effect of lithium-sulfur batteries with TCEP shear agent. 2019 , 21, 1	1
336	Use of Dithiothreitol Assay to Evaluate the Oxidative Potential of Atmospheric Aerosols. 2019 , 10, 571	27
335	Preparation of albumin nanoparticles: Optimum size for cellular uptake of entrapped drug (Curcumin). 2019 , 567, 86-95	20
334	Strategies for introducing sulfur atom in a sugar ring: synthesis of 5-thioaldopyranoses and their NMR data. 2019 , 40, 664-702	0
333	Native Chemical Ligation and Extended Methods: Mechanisms, Catalysis, Scope, and Limitations. 2019 , 119, 7328-7443	200
332	Alanine dehydrogenase and its applications - A review. 2019 , 39, 648-664	16
331	Palladium-Mediated Direct Disulfide Bond Formation in Proteins Containing S-Acetamidomethyl-cysteine under Aqueous Conditions. 2019 , 131, 5785-5789	2
330	Palladium-Mediated Direct Disulfide Bond Formation in Proteins Containing S-Acetamidomethyl-cysteine under Aqueous Conditions. 2019 , 58, 5729-5733	19
329	Multicolor redox sensor proteins can visualize redox changes in various compartments of the living cell. 2019 , 1863, 1098-1107	4
328	ReGreen SPPS: enabling circular chemistry in environmentally sensible solid-phase peptide synthesis. 2019 , 21, 5990-5998	25
327	Promoting Redox Reduction of Lithium-Sulfur Battery by Tris(2-carboxyl)phosphine Shearing S-S Bond. 2019 , 166, A3869-A3873	
326	2-(Dibenzylamino)butane-1,4-dithiol (DABDT), a Friendly Disulfide-Reducing Reagent Compatible with a Broad Range of Solvents. 2019 , 21, 10111-10114	3

325	New-type SiO ₂ /AP interlayer for inhibiting shuttle effect of LiB battery. 2019 , 6, 126310	0
324	Cysteine immobilisation on the polyethylene terephthalate surfaces and its effect on the haemocompatibility. 2019 , 9, 16694	1
323	Hydrogen Peroxide Gates a Voltage-Dependent Cation Current in Neuroendocrine Cells. 2019 , 39, 9900-9913	2
322	1,4-Benzenedimethanethiol (1,4-BDMT) as a scavenger for greener peptide resin cleavages.. 2019 , 9, 38928-38934	1
321	Methods for quantification of growth and productivity in anaerobic microbiology and biotechnology. 2019 , 64, 321-360	24
320	Abiotic reductive deiodination of iodinated organic compounds and X-ray contrast media catalyzed by free corrinoids. 2019 , 221, 212-218	7
319	Cysteine Disulfides (Cys-ss-X) as Sensitive Plasma Biomarkers of Oxidative Stress. 2019 , 9, 115	16
318	Synthesis and biological evaluation of biotin-conjugated anticancer thiosemicarbazones and their iron(III) and copper(II) complexes. 2019 , 190, 85-97	21
317	Exosomes: Isolation, Analysis, and Applications in Cancer Detection and Therapy. 2019 , 20, 451-461	62
316	Hydroxylated sandwich-structure interlayer as a polysulfide reservoir for lithium-sulfur battery. 2019 , 776, 187-193	18
315	Synthesis of Au(I) complex-based aqueous colloids for sensing of biothiols. 2019 , 485, 26-32	6
314	In tube immunocytochemistry for fluorescence-activated cell sorting that prevents RNA degradation in sorted cells. 2020 , 95, 1-7	1
313	Effects of S-glutathionylation on the passive force-length relationship in skeletal muscle fibres of rats and humans. 2020 , 41, 239-250	5
312	The effect of advance payment with discount facility on supply decisions of deteriorating products whose demand is both price and stock dependent. 2020 , 27, 1343-1367	45
311	Immobilization of ssDNA on the surface of silver nanoparticles-graphene quantum dots modified by gold nanoparticles towards biosensing of microorganism. 2020 , 152, 104286	20
310	High-performance sono/nano-catalytic system: FeO@Pd/CaCO ₃ -DTT core/shell nanostructures, a suitable alternative for traditional reducing agents for antibodies. 2020 , 61, 104824	40
309	Expression and characterization of a cold-adapted, salt- and glucose-tolerant GH1 β -glucosidase obtained from <i>Thermobifida</i> halotolerans and its use in sugarcane bagasse hydrolysis. 2020 , 11, 1245	5
308	3D Honeycomb-Shaped Co Porous Carbon Interlayer for Inhibiting the Shuttle Effect of LithiumSulfur Batteries. 2020 , 49, 2050-2057	1

307	pDNA conjugated with citrate capped silver nanoparticles towards ultrasensitive bio-assay of haemophilus influenza in human biofluids: A novel optical biosensor. 2020 , 180, 113050	12
306	Structures of the oxidized states of some common biochemical reducing agents. 2020 , 1202, 127268	0
305	Discovery and evaluation of inhibitory activity and mechanism of arylcoumarin derivatives on Theileria annulata enolase by in vitro and molecular docking studies. 2020 , 24, 1149-1164	2
304	Hydroxyapatite nanowires composite interlayer based on aramid fiber paper for Li-S batteries. 2020 , 856, 113662	4
303	Direct Clinical Evidence Recommending the Use of Proteinase K or Dithiothreitol to Pretreat Sputum for Detection of SARS-CoV-2. 2020 , 7, 549860	9
302	Theoretical Prediction on a Novel Reduction-Responsive Nanoring Having a Disulfide Group for Facile Encapsulation and Release of Fullerenes C and C. 2020 , 5, 25400-25407	2
301	Nucleophilic Thiols Reductively Cleave Ether Linkages in Lignin Model Polymers and Lignin. 2020 , 13, 4394-4399	12
300	Coordination effect of biocatalyst dithiothreitol and aramid fiber interlayer for lithium-sulfur batteries. 2020 , 31, 14233-14240	2
299	Oral administration of thiol-reducing agents mitigates gut barrier disintegrity and bacterial lipopolysaccharide translocation in a rat model of biliary obstruction.. 2020 , 1, 10-18	14
298	Continuous High-Content Keratin Fibers with Balanced Properties Derived from Wool Waste. 2020 , 8, 18148-18156	13
297	Thiol Redox Regulation of Plant Γ Carbonic Anhydrase. 2020 , 10,	9
296	Characterization of a Cu, SDS, alcohol and glucose tolerant GH1 Γ glucosidase from Bacillus sp. CGMCC 1.16541. 2020 , 113, 1467-1477	1
295	Modification of Cysteine Residues for Mass Spectrometry-Based Proteomic Analysis: Facts and Artifacts. 2020 , 14, 204-215	1
294	Novel Cyclic Lipopeptide Antibiotics: Effects of Acyl Chain Length and Position. 2020 , 21,	4
293	Bioinspired design of a robust -methylating agent. 2020 , 6, eaba0946	15
292	GLRX3 Acts as a [2Fe-2S] Cluster Chaperone in the Cytosolic Iron-Sulfur Assembly Machinery Transferring [2Fe-2S] Clusters to NUBP1. 2020 , 142, 10794-10805	10
291	Dynamic covalent synthesis of [2]- and [3]rotaxanes both in solution and on solid supports. 2020 , 44, 11231-11236	1
290	Real-time monitoring of the in vivo redox state transition using the ratiometric redox state sensor protein FROG/B. 2020 , 117, 16019-16026	7

289	Synthesis of cyclic poly(2-ethyl-2-oxazoline) with a degradable disulfide bond. 2020 , 11, 4164-4171	7
288	Species-Specific, pH-Independent, Standard Redox Potential of Selenocysteine and Selenocysteamine. 2020 , 9,	3
287	Synthesis and Closed-Loop Recycling of Self-Immolative Poly(dithiothreitol). 2020 , 53, 4685-4691	10
286	The ABC of Insulin: The Organic Chemistry of a Small Protein. 2020 , 26, 8341-8357	10
285	Breaking a Couple: Disulfide Reducing Agents. 2020 , 21, 1947-1954	6
284	Effects of ionic and reductive atmosphere on the conformational rearrangement in hen egg white lysozyme prior to amyloid formation. 2020 , 190, 110845	3
283	Dual miRNases for Triple Incision of miRNA Target: Design Concept and Catalytic Performance. 2020 , 25,	4
282	Binding of Leishmania spp with gold nanoparticles supported polyethylene glycol and its application for the sensitive detection of infectious photogenes in human plasma samples: A novel biosensor. 2020 , 33, e2839	9
281	Lithium fluoride as an efficient additive for improved electrochemical performance of Li-S batteries. 2020 , 598, 124737	2
280	Mass Spectrometry-Based Protein Footprinting for Higher-Order Structure Analysis: Fundamentals and Applications. 2020 , 120, 4355-4454	56
279	Synthesis of poly(disulfide)s with narrow molecular weight distributions lactone ring-opening polymerization. 2020 , 11, 4882-4886	7
278	Resurrecting the phoenix: When an assay fails. 2020 , 40, 1776-1793	2
277	Synthesis of polyorganophosphazenes and preparation of their polymersomes for reductive/acidic dual-responsive anticancer drugs release. 2020 , 55, 8264-8284	8
276	Disulfide Chromophores Arise from Stereoelectronic Effects. 2020 , 124, 3931-3935	3
275	YMR152W from Saccharomyces cerevisiae encoding a novel aldehyde reductase for detoxification of aldehydes derived from lignocellulosic biomass. 2021 , 131, 39-46	4
274	Reducing agents assisted fed-batch fermentation to enhance ABE yields. 2021 , 227, 113627	6
273	Cysteine alkylation methods in shotgun proteomics and their possible effects on methionine residues. 2021 , 231, 104022	7
272	Spike protein disulfide disruption as a potential treatment for SARS-CoV-2.	3

271	A proteolytic nanobiocatalyst with built-in disulphide reducing properties.. 2020 , 11, 810-816	
270	Quantification of protein-protein interactions in highly denatured whey and potato protein gels. 2021 , 8, 101243	7
269	Metal-Organic Framework-Based Enzyme Biocomposites. 2021 , 121, 1077-1129	107
268	Optimized detection of lung IL-6 enzymatic liquefaction of low respiratory tract samples: application for managing ventilated patients. 2021 , 146, 6537-6546	0
267	Unfolding and Aggregation of Lysozyme under the Combined Action of Dithiothreitol and Guanidine Hydrochloride: Optical Studies. 2021 , 22,	3
266	Interactive Materials for Bidirectional Redox-Based Communication. 2021 , 33, e2007758	3
265	Immunodetection of Lung IgG and IgM Antibodies against SARS-CoV-2 via Enzymatic Liquefaction of Respiratory Samples from COVID-19 Patients. 2021 , 93, 5259-5266	3
264	Comparative evaluation of DTT treated ABO isoagglutinin titres performed by two methods with solid phase red cell adhesion (SPRCA) titres. 2021 , 28, 199-205	
263	Proteomics for Low Cell Numbers: How to Optimize the Sample Preparation Workflow for Mass Spectrometry Analysis. 2021 , 20, 4217-4230	3
262	Intracellular Pathways of Holothuroid Oocyte Maturation Induced by the Thioredoxin Trx-REES. 2021 , 10,	1
261	Oxidative Cysteine Modification of Thiol Isomerases in Thrombotic Disease: A Hypothesis. 2021 , 35, 1134-11552	
260	Monitoring cellular redox dynamics using newly developed BRET-based redox sensor proteins. 2021 , 297, 101186	
259	Mono-mercapto-functionalized pillar[5]arene: a host-guest complexation accelerated reversible redox dimerization. 2021 , 57, 7950-7953	1
258	Detection and quantitation of biological sulfhydryls. 1988 , 33, 165-241	18
257	The muco-ciliary system in relation to middle ear pathology and sensorineural hearing loss. In: Sensorineural hearing loss. 1970 , 79-99	6
256	The Nature of Enzymes. 4-72	1
255	The Nature of Enzymes. 2001 , 4-72	1
254	Redox State and Redox Environment in Biology. 2003 , 1-14	4

253	DNA Strand Exchange to Monitor Human RAD51-Mediated Strand Invasion and Pairing. 2021 , 2153, 101-113	2
252	The effects of penicillamine and other thiols on lymphoid cells. 1979 , 41-61	1
251	Getting Started with Protein Purification. 1996 , 118-152	1
250	Antibody-toxin conjugation. 1988 , 37, 213-37	3
249	The Basis of Protein Chemistry. 1977 , 1-52	4
248	Chemical Reactions of Keratin Fibers. 1977 , 193-265	15
247	Chemical Modification and Cleavage of Proteins and Chemical Strategy in Immunochemical Studies of Proteins. 1977 , 1-161	17
246	Techniques for Direct Radiolabeling of Monoclonal Antibodies. 1994 , 207-220	1
245	Anaerobic Production of Single-Domain Magnetite by the Marine, Magnetotactic Bacterium, Strain MV-1. 1991 , 69-77	5
244	The Design of Criteria of Purity For Labeled Compounds. 1968 , 41-57	1
243	Getting Started with Protein Purification. 1996 , 99-133	2
242	The role of sulphhydryl groups in efflux of taurine and GABA from cerebral cortical cells. 1996 , 403, 409-16	3
241	Purification of recombinant 2XMBP tagged human proteins from human cells. 2014 , 1176, 209-17	5
240	ChIP-re-ChIP: Co-occupancy Analysis by Sequential Chromatin Immunoprecipitation. 2018 , 1689, 103-112	12
239	Determining the Redox Potential of a Protein Disulphide Bond. 2019 , 1967, 65-86	2
238	Illuminating allostery in metal sensing transcriptional regulators. 2012 , 875, 165-92	6
237	Primary microRNA processing assay reconstituted using recombinant Drosha and DGCR8. 2014 , 1095, 73-86	6
236	Ribonucleases as Models for Understanding Protein Folding. 2011 , 367-397	3

235	Reducing Human Hair Including Permanent Waving and Straightening. 2012 , 205-262	3
234	Proteins in Bioelectricity. Acetylcholine-Esterase and -Receptor. 1971 , 18-102	15
233	The Visual Pigments of Geckos and other Vertebrates: An Essay in Comparative Biology. 1977 , 391-449	21
232	Sequence Determination. 1988 , 16-38	1
231	General Aspects of Isoelectric Focusing of Proteins. 1970 , 17, 383-387	6
230	Some aspects of radiation effects on cell membranes. 1970 , 13, 219-34	39
229	Prostaglandins. 1974 , 1877-1885	1
228	The Chemical Modification of Proteins by Group-Specific and Site-Specific Reagents. 1976 , 1-103	25
227	Strategy and Methods of Sequence Analysis. 1977 , 1-178	6
226	The Role of Sulfur in Proteins. 1977 , 239-402	27
225	Application of Radiation Chemistry to Biology. 1977 , 1-51	15
224	Evaluation of Methods for the Analysis of Disulfide Containing Peptides by Fast Atom Bombardment Mass Spectrometry. 1989 , 186-194	3
223	Primary Protein Structures. 1967 , 53-107	1
222	Analysis of Protein Constituents of Viruses. 1967 , 3, 1-75	2
221	Evidence for essential disulfide bonds in beta1-adrenergic receptors of turkey erythrocyte membranes. Inactivation by dithiothreitol.. 1979 , 254, 4462-4469	79
220	Regulatory properties of the alpha-ketoglutarate dehydrogenase complex of <i>Acetobacter xylinum</i> . In situ studies and localization of the allosteric response in the E1 component. 1978 , 253, 5678-5684	6
219	Transport of 5-methyltetrahydrofolic acid and folic acid in freshly isolated hepatocytes.. 1978 , 253, 3529-3535	49
218	Essential disulfide and sulfhydryl groups for organic cation transport in renal brush-border membranes.. 1986 , 261, 3282-3287	28

217	Formation of intersubunit disulfide bonds and properties of the single histidine and cysteine residues in each subunit relative to the decameric structure of cyanase.. 1994 , 269, 15036-15045	8
216	Interaction of troponin subunits. The interaction between the inhibitory and tropomyosin-binding subunits.. 1979 , 254, 350-355	46
215	Activation of hepatic guanylate cyclase by N-methyl-N'-nitro-N-nitrosoguanidine. Effects of thiols, N-ethylmaleimide, and divalent cations.. 1977 , 252, 5804-5814	48
214	Solubilization and partial purification of heme oxygenase from rat liver.. 1977 , 252, 5900-5903	70
213	Regulation of rat liver 3-hydroxy-3-methylglutaryl coenzyme A reductase. Evidence for thiol-dependent allosteric modulation of enzyme activity.. 1984 , 259, 870-877	72
212	Evidence for two disulfide bonds important to the functioning of the renal outer cortical brush-border membrane D-glucose transporter.. 1983 , 258, 3565-3570	22
211	Purification and properties of Oxidized and reduced forms of Hepatic fructose 1,6-bisphosphatase.. 1982 , 257, 4552-4556	11
210	Inactivation of the plasma protease inhibitor alpha 2-macroglobulin by the antitumor drug cis-dichlorodiamineplatinum(II).. 1981 , 256, 12478-12484	27
209	Disulfide cross-linking of caldesmon to actin.. 1991 , 266, 20305-20310	31
208	Nitric oxide production by cultured aortic endothelial cells in response to thiol depletion and replenishment.. 1991 , 266, 19378-19383	84
207	Ferredoxin-activated Fructose Diphosphatase of Spinach Chloroplasts. 1971 , 246, 5952-5959	155
206	Regulation of Pyrimidine Ribonucleoside Incorporation in Isolated Bone Cells. 1971 , 246, 4439-4446	13
205	Comparative Studies on the Modification of Specific Disulfide Bonds of Trypsinogen and Chymotrypsinogen. 1971 , 246, 1630-1637	36
204	Mechanism of Pigeon Liver Malic Enzyme. 1970 , 245, 6675-6682	24
203	Physical Properties of Formyltetrahydrofolate Synthetase from Clostridium thermoaceticum. 1970 , 245, 4798-4803	20
202	Denaturation of Globular Proteins. 1970 , 245, 4097-4104	40
201	A Study of the Sulfhydryl Groups of the Catalytic Subunit of Escherichia coli Aspartate Transcarbamylase. 1970 , 245, 3565-3573	107
200	The Stability of Cysteine and Cystine during Acid Hydrolysis of Proteins and Peptides. 1970 , 245, 112-116	74

199	Application of Ribonuclease T1 to the Synthesis of Oligoribonucleotides of Defined Base Sequence. 1969 , 244, 6566-6576	35
198	A New Method for the Large Scale Purification of Escherichia coli Deoxyribonucleic Acid-dependent Ribonucleic Acid Polymerase. 1969 , 244, 6160-6167	636
197	Primary structure of human alpha 2-macroglobulin. Complete disulfide bridge assignment and localization of two interchain bridges in the dimeric proteinase binding unit.. 1986 , 261, 15863-15869	70
196	Sulfhydryl oxidation induces rapid calcium release from sarcoplasmic reticulum vesicles.. 1986 , 261, 16092-16098	99
195	Reversible folding of rhodanese. 1989 , 264, 9859-9866	65
194	Mammalian Metabolism of Glutaric Acid. 1969 , 244, 1461-1467	62
193	A Further Study of a Testosterone-binding Component of Human Pregnancy Serum. 1969 , 244, 1373-1380	41
192	Purification and characterization of a novel thiol protease involved in processing the enkephalin precursor. 1991 , 266, 8376-8383	58
191	Gross Conformation of Escherichia coli Acyl Carrier Protein. 1968 , 243, 6432-6435	26
190	Purification and Properties of Clostridiopeptidase B (Clostripain). 1968 , 243, 4683-4692	116
189	The Specific Cleavage of Immunoglobulin Polypeptide Chains at Cysteinyll Residues. 1968 , 243, 1777-1786	19
188	Further Studies on Chloroplast Adenosine Triphosphatase Activation by Acid-Base Transition. 1968 , 243, 972-979	23
187	Methyl Viologen-linked Sulfite Reductase from Spinach Leaves. 1969 , 244, 4904-4915	46
186	Human Hepatic Uridine Diphosphate Galactose Pyrophosphorylase. 1969 , 244, 545-550	35
185	The Partial Dissociation and the Reassociation of the Pigeon Liver Fatty Acid Synthetase Complex. 1967 , 242, 3508-3516	70
184	The Enzymology of Virus-infected Bacteria. 1967 , 242, 363-371	29
183	The Enzymic Synthesis of Chorismic and Prephenic Acids from 3-Enolpyruvylshikimic Acid 5-Phosphate. 1967 , 242, 82-90	50
182	Inhibition of Carbohydrate Metabolism by Oxygen and N-Ethylmaleimide in Rat Heart Homogenates. 1966 , 241, 3078-3082	12

181	Enzymatic Synthesis of Deoxyribonucleotides. 1966 , 241, 2533-2539	96
180	Reversible Inactivation of Dehydrogenases. 1966 , 241, 2431-2445	79
179	Crystallization and Properties of p-Hydroxybenzoate Hydroxylase from <i>Pseudomonas putida</i> . 1966 , 241, 2453-2460	123
178	Characterization of a Human Macroglobulin. 1966 , 241, 1732-1740	62
177	Purification and Properties of Isoleucyl Ribonucleic Acid Synthetase from <i>Escherichia coli</i> . 1966 , 241, 831-838	152
176	Characterization of a Human Macroglobulin. 1965 , 240, 4740-4745	104
175	The Enzymology of Virus-infected Bacteria. 1965 , 240, PC4108-PC4110	17
174	Sodium-Potassium-activated Adenosine Triphosphatase of Electrophorus Electric Organ. 1967 , 242, 4972-4979	94
173	Molecular Weight and Subunit Structure of Tropomyosin B. 1967 , 242, 2859-2871	66
172	The Enzymology of Virus-infected Bacteria. 1967 , 242, 2877-2885	46
171	Tryptophan Pyrrolase of Liver. 1967 , 242, 2952-2958	36
170	Indole-3-glycerol Phosphate Synthetase of <i>Escherichia coli</i> , an Enzyme of the Tryptophan Operon. 1966 , 241, 4616-4624	60
169	A Kinetic Study of the Mechanism of Crystalline Carbamate Kinase. 1966 , 241, 4197-4208	36
168	Erythrocytic Nucleoside Diphosphokinase. 1966 , 241, 3838-3844	39
167	Acceptor substrate-potentiated inactivation of bovine liver rhodanese.. 1988 , 263, 15270-15276	6
166	Evidence for conformers of rabbit muscle adenylate kinase.. 1990 , 265, 11804-11809	22
165	Cyclic oxidation-reduction reactions regulate thromboxane A ₂ /prostaglandin H ₂ receptor number and affinity in human platelet membranes.. 1990 , 265, 4240-4246	28
164	Functional Groups of Diphosphopyridine Nucleotide-linked Isocitrate Dehydrogenase from Bovine Heart. 1974 , 249, 4839-4845	10

163	Studies on the Disulfide Bonds of Glycoprotein Hormones. 1974 , 249, 4166-4174	42
162	Generation of Superoxide Free Radical during the Autoxidation of Thiols. 1974 , 249, 2151-2155	413
161	The Isolation and General Properties of Escherichia coli Malonyl Coenzyme A-Acyl Carrier Protein Transacylase. 1973 , 248, 8086-8094	61
160	Characterization of insulin-sensitive phosphodiesterase in fat cells. I. Effects of salts and oxidation-reduction agents.. 1980 , 255, 7845-7849	35
159	Direct Spectrophotometric Measurement of the Rate of Reduction of Disulfide Bonds. 1973 , 248, 707-710	102
158	Conformational Changes, Inactivation, and Dissociation of Pigeon Liver Fatty Acid Synthetase Complex. 1972 , 247, 4749-4762	48
157	4-Thialaminine, a Strongly Basic Chemical Modification of Cysteine. 1972 , 247, 4819-4824	25
156	Heterogeneity of Porcine Pituitary Luteinizing Hormone Subunits (LH β and LH γ) in 6 m Guanidine Hydrochloride Agarose Gel Chromatography. 1972 , 247, 4429-4431	2
155	Snake Venom Toxins. 1972 , 247, 4029-4042	70
154	Primary Structure of Human Fibrinogen and Fibrin. 1972 , 247, 1496-1512	71
153	The Effects of Reduced Nicotinamide Adenine Dinucleotide Phosphate, Its Structural Analogues, and Coenzyme A and Its Derivatives on the Rate of Dissociation, Conformation, and Enzyme Activity of the Pigeon Liver Fatty Acid Synthetase Complex. 1971 , 246, 7780-7789	24
152	Purification and Properties of the Phosphotriesterase from Pseudomonas diminuta. 1989 , 264, 19659-19665	362
151	Unfolding intermediates of the extracellular domain of the interferon gamma receptor.. 1992 , 267, 7095-7100	14
150	Canine Pancreatic Ribosomes. 1968 , 243, 1271-1276	7
149	Barnacle Cement Proteins. 2000 , 275, 27360-27365	127
148	On the chemistry and biochemistry of 3-mercaptopyruvic acid, the alpha-keto acid analog of cysteine.. 1982 , 257, 816-826	45
147	Thiol/disulfide exchange in the thioredoxin-catalyzed reductive activation of spinach chloroplast fructose-1,6-bisphosphatase. Kinetics and thermodynamics.. 1987 , 262, 13545-13549	45
146	The Extracellular α -Amylase of Bacillus stearothermophilus. 1969 , 244, 48-54	101

145	A Specific and Sensitive Assay for Disulfides. 1968 , 243, 716-719	335
144	Biosynthesis of the Peptidoglycan of Bacterial Cell Walls. 1968 , 243, 768-772	30
143	Thioredoxin catalyzes the reduction of insulin disulfides by dithiothreitol and dihydrolipoamide.. 1979 , 254, 9627-9632	714
142	Site-site interaction in the phospholipid activation of D-beta-hydroxybutyrate dehydrogenase.. 1986 , 261, 6201-6208	32
141	In vivo formation and stability of engineered disulfide bonds in subtilisin.. 1986 , 261, 6564-6570	181
140	Separation, purification, partial characterization and comparison of the heavy and light chains of botulinum neurotoxin types A, B, and E.. 1985 , 260, 10461-10466	130
139	Evidence for an associative mechanism in the phosphoryl transfer step catalyzed by rabbit muscle creatine kinase.. 1980 , 255, 3944-3951	18
138	Preparation and properties of a cell-free system from rat skin that catalyzes sterol biosynthesis. 1966 , 7, 501-510	10
137	Immunological evidence for the presence of B protein (apoprotein of lipoprotein) in normal and abetalipoproteinemic plasma. 1967 , 8, 396-405	24
136	Possible site of action of batrachotoxin. 1971 , 234, 93-5	18
135	CHAPTER 5:Nucleophilic Thiol-alkene Michael Addition for the Functionalization of Polymers and for Bioconjugation. 2013 , 95-116	4
134	Pyridyl disulfide-based thiol-disulfide exchange reaction: shaping the design of redox-responsive polymeric materials. 2020 , 11, 7603-7624	19
133	Disulfide bonds are a requirement for Kell and Cartwright (Yta) blood group antigen integrity. 1983 , 54, 573-8	67
132	Physicochemical Factors in Growth. 309-329	6
131	Medium for the enumeration and isolation of bacteria from a Swine waste digester. 1978 , 36, 555-66	23
130	Mechanisms of h(2)s production from cysteine and cystine by microorganisms isolated from soil by selective enrichment. 1991 , 57, 1413-7	23
129	Survival of human dental plaque flora in various transport media. 1972 , 24, 638-44	499
128	Efficiency of various growth media in recovering oral bacterial flora from human dental plaque. 1973 , 26, 459-65	28

127	Interaction of <i>Treponema pallidum</i> (Nichols strain) with cultured mammalian cells: effects of oxygen, reducing agents, serum supplements, and different cell types. 1977 , 15, 444-52	38
126	Prolonged survival of virulent <i>Treponema pallidum</i> (Nichols strain) in cell-free and tissue culture systems. 1977 , 18, 173-82	41
125	Influence of oxygen tension, sulfhydryl compounds, and serum on the motility and virulence of <i>Treponema pallidum</i> (Nichols strain) in a cell-free system. 1978 , 22, 689-97	23
124	Role of sulfhydryls in in vitro growth of <i>Mycobacterium lepraemurium</i> . 1981 , 31, 352-7	4
123	Characterization of antigens specific to the surface of germ tubes of <i>Candida albicans</i> by immunofluorescence. 1984 , 43, 850-5	70
122	Phosphate-mediated alteration of the <i>Microsporum gypseum</i> germination protease specificity for substrate: enhanced keratinase activity. 1974 , 117, 422-31	14
121	Characterization of a low molecular weight antigenic protein from the envelope of influenza virus. 1966 , 92, 1430-4	17
120	Protein synthesis in a cell-free extract from <i>Staphylococcus aureus</i> . 1967 , 94, 80-6	36
119	Biosynthesis of ergothioneine from endogenous hercynine in <i>Mycobacterium smegmatis</i> . 1968 , 95, 340-4	22
118	Viral inactivation by disulfide bond reducing agents. 1968 , 2, 1482-4	14
117	Partition of E1A proteins between soluble and structural fractions of adenovirus-infected and -transformed cells. 1986 , 60, 1018-26	33
116	Reduction and reoxidation of Australia antigen: loss and reconstitution of particle structure and antigenicity. 1972 , 9, 182-3	33
115	The effects of transport inhibitors on sodium outflux and influx in red blood cells: evidence for exchange diffusion. 1970 , 49, 1804-14	63
114	Sulfhydryl groups of the erythrocyte membrane and their relation to glycolysis and drug-induced hemolytic anemia. 1974 , 53, 805-12	11
113	L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. 1978 , 62, 577-84	13
112	Cephalosporin-induced alteration in hepatic glutathione redox state. A potential mechanism for inhibition of hepatic reduction of vitamin K1,2,3-epoxide in the rat. 1990 , 86, 1589-94	6
111	Reduction of canine plasminogen leads to an expanded molecule which precipitates. 2009 , 4, e6196	3
110	Aphid gel saliva: sheath structure, protein composition and secretory dependence on stylet-tip milieu. 2012 , 7, e46903	45

109	Enumerating Virus-Like Particles and Bacterial Populations in the Sinuses of Chronic Rhinosinusitis Patients Using Flow Cytometry. 2016 , 11, e0155003	3
108	[Modification of cysteine residues for mass spectrometry-based proteomic analysis: facts and artifacts]. 2020 , 66, 18-29	3
107	Effects of imidacloprid on viability and increase of reactive oxygen and nitrogen species in HepG2 cell line. 2021 , 1-9	2
106	What is in the black box? The discovery of the sigma factor and the subunit structure of E. coli RNA polymerase. 2021 , 297, 101310	0
105	A Chemosensor Based on Gold Nanoparticles and Dithiothreitol (DTT) for Acrylamide Electroanalysis. 2021 , 11,	1
104	Polyamino Acid Chelation for Metal Remediation. 2000 , 243-259	
103	Human Sperm Cells. 2002 , 127-137	
102	Dithiothreitol, Dithioerythritol.	
101	Dynamics of cleavage of the Bombyx mori nuclear polyhedrosis virus polyhedrin by polyhedral protease and identification of cleaved bonds. 2004 , 20, 207-214	1
100	Determining Enzyme Mechanisms by Kinetic Analysis: the Work of W. Wallace Cleland. 2006 , 281, e37-e38	0
99	Chemical and Proteolytic Modification of Antibodies. 2006 , 181-245	
98	Counting acetylcholine receptors in the electroplax. In: Molecular properties of drug receptors. 1970 , 247-61	4
97	Improved Dye Stability in Single-Molecule Fluorescence Experiments. 2009 , 83-99	
96	10.1007/BF02382511. 2011 ,	1
95	Serological Techniques for Plant Viruses. 1967 , 199-241	1
94	Molecular Properties of the Acetylcholine Receptor. 1973 , 193-209	3
93	Beta-galactosidase of Propionibacterium shermanii. 1975 , 29, 74-80	1
92	Chemical and Molecular Basis of Nerve Activity - Pages 375-385. 1975 , 375-385	

- 91 The Pathogenesis of Experimental Acute Renal Failure: The Role of Membrane Dysfunction. **1977**, 73-115 2
- 90 Kinetic and mechanistic studies of oxidation of vitamin A alcohol to vitamin A aldehyde by horse liver alcohol dehydrogenase. The inhibition by ethanol and pyrazole. **1980**, 132, 137-50 5
- 89 Polymers as Aids in Related Areas of Chemistry. **1980**, 239-254
- 88 Effect of Heavy Metals on Sodium Transport in Vitro. **1982**, 25-35
- 87 New Methods for the Determination of Serum and Breath Mercaptans and Its Application in Liver Cirrhosis and Hepatic Encephalopathy. **1984**, 107-113 2
- 86 Gene Mutation in Yeast Induced by DAB, CDA, BZD and DAT. **1985**, 241-252
- 85 Studies on Cytokinin Binding Proteins. **1987**, 185-197
- 84 Reducing Human Hair. **1988**, 69-101
- 83 Miscellaneous Case Histories and Applications. **1988**, 316-392
- 82 Particle-Induced Desorption Ionization Techniques for Organic Mass Spectrometry. **1991**, 143-271
- 81 D. **1993**, 269-469
- 80 CHEMICAL AND POST-TRANSLATIONAL MODIFICATION OF PROTEINS. **1993**, 215-245
- 79 Reaction of HF with peptides containing Cys(StBu) in the presence of different scavengers. **1993**, 202-204
- 78 Accelerated method of determination of the high-homologous proteins primary structures. Complete amino acid sequence of Mamestra brassicae nuclear polyhedrosis virus (NPV) polyhedrin. **1993**, 9, 44-49 6
- 77 Tryptic peptides of the polyhedrin of the Melacosoma neustria nuclear polyhedrosis virus. **1993**, 9, 29-34
- 76 Reducing Human Hair. **1994**, 93-130
- 75 Preparation of Samples. **1994**, 26-36
- 74 Beitrag zur taxonomischen Einstufung verschiedener Federkeratine durch vergleichende Auswertung ihrer Elektropherogramme. **1995**, 189-204

- 73 Zur chemischen Aufklärung von Eiweißstrukturen. **1996**, 1-40
- 72 Bioconjugate Techniques - Pages 673-725. **1996**, 673-725
- 71 Proteases in Peptide Mapping and Sequencing. **1999**, 233-252
- 70 Virus Diversity to Explore Various Kinds of Enzyme Nanocarriers. **2015**, 1-44
- 69 Light Regulation of Brassinosteroid Signaling Components: Checking Regulation of Protein Stability in Darkness. **2017**, 1564, 31-38
- 68 Origins of Enzyme Catalytic Power. **2018**, 53-70
- 67 Sulfhydryl treatment of serum or plasma for the reduction of IgM antibodies. **2019**, 34, 135-139 1
- 66 RED BLOOD CELLS ANTIGEN STABILITY AFTER DTT TREATMENT OF RED BLOOD CELL REAGENTS USED FOR IRREGULAR ANTIBODY SCREENS. **2019**, 65, 800-809
- 65 Glutathione-responsive molecular nanoparticles from a dianionic bolaamphiphile and their use as carriers for targeted delivery. **2021**, 608, 2009-2017 1
- 64 EPR Characterisation of Phthalocyanine Radical Anions in Near-Infrared Photocleavage of the Hydrophilic Axial Ligand of a Photoimmunotherapeutic Reagent, IR700. 1
- 63 Dissolving the Nematocyst Capsule Wall and Identifying its Protein Component(s). **1983**, 335-339
- 62 A Single Common Protocol for the Expression and Purification of Soluble Mammalian DSPs from Escherichia coli. **2020**, 2159, 31-40 0
- 61 L-THREONINE DEAMINASE IN MARINE PLANKTONIC ALGAE. II. DISULFIDE AND SULFHYDRYL GROUP REQUIREMENTS OF ENZYME ACTIVITY IN TWO CRYPTOPHYTES1. **1972**, 8, 283-289 2
- 60 Rapidemic, a versatile and label-free DNAzyme-based platform for visual nucleic acid detection.
- 59 Investigations of Yeast L-Lactate Dehydrogenase (Cytochrome b2). **1968**, 243, 2359-2366 4
- 58 Inactivation of Rabbit Muscle Adenosine Triphosphate-Adenosine 5'-Phosphate Phosphotransferase by Alkylation of Methionine Residues. **1967**, 242, 558-564 18
- 57 Equine abortion (herpes) virus: strain differences in susceptibility to inactivation by dithiothreitol. **1972**, 23, 1121-4 2
- 56 Isolation of purified H and L polypeptide chains from guinea-pig gamma-2-immunoglobulin after mild reduction. **1966**, 10, 309-19 22

55	The effect of thiol compounds on lymphocytes stimulated in culture. 1978 , 35, 189-201	22
54	A sulfhydryl-rich IgM protein with multiple serological specificities. 1987 , 69, 148-56	1
53	Auto-antigens of human spermatozoa. I. Solubilization of a new auto-antigen detected on swollen spermheads. 1974 , 16, 63-76	27
52	Disulphide bond reduction in nicotinic receptors. 1969 , 37, 538P-539P	1
51	Proceedings of the British Pharmacological Society. 17th-19th December, 1979: University of London (Institute of Education). 1980 , 69, 265P-346P	2
50	Overview of the main methods used to combine proteins with nanosystems: absorption, bioconjugation, and encapsulation. 2010 , 5, 37-49	62
49	Optimization of the Protocol for the Isolation and Refolding of the Extracellular Domain of HER2 Expressed in Escherichia coli. 2014 , 6, 106-9	
48	The effect of cell disruption techniques and chaotropic agents on the downstream purification process of mecasermin produced as inclusion body in E. coli. 2015 , 10, 553-61	4
47	-nitrosothiol-modified hyperbranched polyesters. 2016 , 7, 7161-7169	
46	Disulfide Bonds Play a Critical Role in the Structure and Function of the Receptor-binding Domain of the SARS-CoV-2 Spike Antigen. 2021 , 434, 167357	7
45	Comparative assessment of dithiothreitol-treated ABO isoagglutinin titres performed by two methods. 2021 , 16, 284-292	
44	Dithiothreitol causes toxicity in C. elegans by modulating the methionine-homocysteine cycle.	
43	Self-Healing Materials for Electronics Applications.. 2022 , 23,	1
42	Axial-ligand-cleavable silicon phthalocyanines triggered by near-infrared light toward design of photosensitizers for photoimmunotherapy. 2022 , 426, 113749	1
41	Synergy of Human Platelet-Derived Extracellular Vesicles with Secretome Proteins Promotes Regenerative Functions.. 2022 , 10,	5
40	Development and characterization of a gold nanoparticles glassy carbon modified electrode for dithiotreitol (DTT) detection suitable to be applied for determination of atmospheric particulate oxidative potential.. 2022 , 1206, 339556	1
39	Role of systems biology and multi-omics analyses in delineating spatial interconnectivity and temporal dynamicity of ER stress mediated cellular responses.. 2022 , 119210	
38	Commentary: Dithiothreitol (DTT), When Used as Biofilm Detaching Method to Diagnose Implant-Associated Infections, Does Not Affect Microorganisms' Viability, According to the Current Literature.. 2021 , 12, 814945	0

- 37 Selenium-Based Fluorescence Probes for the Detection of Bioactive Molecules. 0
- 36 A peroxidase purified from cowpea roots possesses high thermal stability and displays antifungal activity against *Colletotrichum gloeosporioides* and *Fusarium oxysporum*. **2022**, 42, 102322 0
- 35 The interplay of GTP-binding protein AGB1 with ER stress sensors IRE1a and IRE1b modulates Arabidopsis unfolded protein response and bacterial immunity.. **2021**, 2018857 0
- 34 Reliable recognition of DNA methylation using bioanalysis of hybridization on the surface of Ag/GQD nanocomposite stabilized on poly (β-cyclodextrin): A new platform for DNA damage studies using genosensor technology.. **2021**, e2945 0
- 33 Dithiothreitol causes toxicity in by modulating the methionine-homocysteine cycle.. **2022**, 11, 0
- 32 Catalytic Membrane with Copper Single-Atom Catalysts for Effective Hydrogen Peroxide Activation and Pollutant Destruction.. **2022**, 0
- 31 Reversible thiol oxidation increases mitochondrial electron transport complex enzyme activity but not respiration in cardiomyocytes from patients with end-stage heart failure. 0
- 30 Supersensitive sensing based on upconversion nanoparticles through cascade photon amplification at single-particle level. **2022**, 132125 1
- 29 The occurrence of nuclear migration under thiol treatment effective in inhibiting neurulation. **1972**, 27, 577-584 0
- 28 A decolorant of the sulfhydryl reagent DTNB released from live blastulae of sea urchins in saline medium. **1972**, 28, 511-519 0
- 27 Redox-triggerable firefly luciferin-bioinspired hydrogels as injectable and cell-encapsulating matrices. 0
- 26 Engineering Electro- and Photocatalytic Carbon Materials for CO₂ Reduction by Formate Dehydrogenase. **2022**, 144, 14207-14216 2
- 25 Reversible Thiol Oxidation Increases Mitochondrial Electron Transport Complex Enzyme Activity but Not Respiration in Cardiomyocytes from Patients with End-Stage Heart Failure. **2022**, 11, 2292 0
- 24 Dithiothreitol-Lucigenin Chemiluminescent System for Ultrasensitive Dithiothreitol and Superoxide Dismutase Detection. **2022**, 94, 11023-11029 2
- 23 Dithiol Based on L-Cysteine and Cysteamine as a Disulfide-Reducing Agent. **2022**, 87, 10073-10079 1
- 22 Comparative metabolomics and transcriptomics analyses provide insights into the high-yield mechanism of phenazines biosynthesis in *Pseudomonas chlororaphis* GP72. 0
- 21 Dithioerythritol functionalized gold nanoparticlesBased fluorometric sensing of biogenic amines in food samples. **2022**, 104837 0
- 20 Conjugation strategies of DNA to gold nanoparticles. 1

- 19 Mercaptoethanol in culture medium improves cryotolerance of in vitro-produced bovine embryos. 1-11 ○
- 18 An Innovative Approach to Tissue Processing and Cell Sorting of Fixed Cells for Subsequent Single-Cell RNA Sequencing. **2022**, 23, 10233 ○
- 17 Antibody-antimicrobial Conjugates for Combating Antibiotic Resistance. 2202207 ○
- 16 Dithiolopyrrolones are Prochelators that Are Activated by Glutathione. ○
- 15 Physiological jump in erythrocyte redox potential during Plasmodium falciparum development occurs independent of the sickle cell trait. **2022**, 58, 102536 ○
- 14 Improved cytometric analysis of untouched lung leukocytes by enzymatic liquefaction of sputum samples. **2022**, 24, ○
- 13 Using gold nanobeacons as a theranostic technique to recognize, detect, and inhibit specific nucleic acids. **2022**, 3, 101916 ○
- 12 Common Markers and Small Molecule Inhibitors in Golgi Studies. **2023**, 453-493 ○
- 11 Self-healing Materials. **2016**, 348-402 ○
- 10 Diagnosis and Management of Cystic Fibrosis Exacerbations. **2023**, 44, 225-241 ○
- 9 Excess copper catalyzes protein disulfide bond formation in the bacterial periplasm but not in the cytoplasm. **2023**, 119, 423-438 ○
- 8 Naphthalene Carboxylation in the Sulfate-Reducing Enrichment Culture N47 Is Proposed to Proceed via 1,3-Dipolar Cycloaddition to the Cofactor Prenylated Flavin Mononucleotide. **2023**, 89, ○
- 7 Optimized Proteome Reduction for Integrative TopDown Proteomics. **2023**, 11, 10 ○
- 6 Comproportionation of CO₂ and Cellulose to Formate Using a Floating Semiconductor-Enzyme Photoreforming Catalyst. ○
- 5 Comproportionation of CO₂ and Cellulose to Formate Using a Floating Semiconductor-Enzyme Photoreforming Catalyst. ○
- 4 Marine Biodegradation of Poly(butylene succinate) Incorporating Disulfide Bonds Triggered by a Switch Function in Response to Reductive Stimuli. **2023**, 5, 2964-2970 ○
- 3 Properties of Selenolate-Diselenide Redox Equilibria in View of Their Thiolate-Disulfide Counterparts. **2023**, 12, 822 ○
- 2 Media component bovine serum albumin facilitates the formation of mycobacterial biofilms in response to reductive stress. **2023**, 23, ○

- 1 Characterization of PcSTT3B as a Key Oligosaccharyltransferase Subunit Involved in N-glycosylation and Its Role in Development and Pathogenicity of *Phytophthora capsici*. **2023**, 24, 7500

o