New metal chelate adsorbent selective for proteins and histidine residues

Journal of Chromatography A 411, 177-184

DOI: 10.1016/s0021-9673(00)93969-4

Citation Report

#	Article	IF	Citations
1	Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent. Nature Biotechnology, 1988, 6, 1321-1325.	9.4	730
2	Large-scale chromatography of recombinant proteins. Journal of Chromatography A, 1988, 444, 293-302.	1.8	90
3	The product of a fos-related gene, fra-1, binds cooperatively to the AP-1 site with Jun: transcription factor AP-1 is comprised of multiple protein complexes Genes and Development, 1989, 3, 173-184.	2.7	308
4	Genetically Designed Affinity Chromatography Using a Novel Metal Chelate Absorbent. , 1989, , 217-239.		10
5	The human immunodeficiency virus rev protein is a nuclear phosphoprotein. Virology, 1989, 171, 264-266.	1.1	70
6	The saga of IMAC and MIT. BioEssays, 1989, 10, 170-175.	1.2	184
7	Bioassay for trans-activation using purified human immunodeficiency virus tat-encoded protein: trans-activation requires mRNA synthesis Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 821-824.	3.3	147
8	Expression, purification, biochemical characterization and inhibition of recombinant Plasmodium falciparum aldolase. Molecular and Biochemical Parasitology, 1990, 41, 259-268.	0.5	59
9	Engineering proteins for purification. Trends in Biotechnology, 1990, 8, 88-93.	4.9	151
10	High-performance metal chelate interaction chromatography of proteins with silica-bound ethylenediamine-N,N′-diacetic acid. Journal of Chromatography A, 1990, 512, 237-247.	1.8	21
11	System for High-Level Production in Escherichia coli and Rapid Purification of Recombinant Proteins: Application to Epitope Mapping, Preparation of Antibodies, and Structure—Function Analysis. , 1990, , 121-152.		182
12	Purification of Recombinant Proteins with Metal Chelate Adsorbent. , 1990, 12, 87-98.		102
13	Interleukin 7 enhances cytolytic T lymphocyte generation and induces lymphokine-activated killer cells from human peripheral blood Journal of Experimental Medicine, 1990, 172, 577-587.	4.2	168
14	Expression and purification of the leucine zipper and DNA-binding domains of Fos and Jun: both Fos and Jun contact DNA directly Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1032-1036.	3.3	247
15	Purification of his-tagged proteins in non-denaturing conditions suggests a convenient method for protein interaction studies. Nucleic Acids Research, 1991, 19, 6337-6338.	6.5	325
16	Expression of growth hormone-releasing factor analog Leu27GRF(1–44)OH in Escherichia coli: Purification and characterization of the expressed protein. Archives of Biochemistry and Biophysics, 1991, 286, 638-644.	1.4	6
17	Transcriptional repression by YY1, a human GLI-Kr $\tilde{A}^{1}$ 4ippel-related protein, and relief of repression by adenovirus E1A protein. Cell, 1991, 67, 377-388.	13.5	1,055
18	Primary structure of the human splicing factor asf reveals similarities with drosophila regulators. Cell, 1991, 66, 373-382.	13.5	364

#	Article	IF	Citations
19	Preparation of clinical grade proteins produced by recombinant DNA technologies. Journal of Immunological Methods, 1991, 143, 231-240.	0.6	56
20	Metal-Affinity Separations: A New Dimension in Protein Processing. Nature Biotechnology, 1991, 9, 151-156.	9.4	356
21	pEXPRESS: A family of expression vectors containing a single transcription unit active in prokaryotes, eukaryotes and in vitro. Gene, 1991, 105, 9-15.	1.0	50
22	Subunit-selective mutagenesis indicates minimal polymerase activity in heterodimer-associated p51 HIV-1 reverse transcriptase EMBO Journal, 1991, 10, 3905-3911.	3.5	185
23	A protein kinase is present in a complex with adenovirus E1A proteins Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11143-11147.	3.3	34
24	Myeloma based expression system for production of large mammalian proteins. Trends in Biotechnology, 1991, 9, 109-113.	4.9	90
25	Adsorption characteristics of an immobilized metal affinity membrane. Biotechnology Progress, 1991, 7, 412-418.	1.3	145
26	Metal affinity precipitation of proteins carrying genetically attached polyhistidine affinity tails. FEBS Journal, 1991, 198, 499-504.	0.2	81
27	Identification of a zinc finger protein that inhibits IL-2 gene expression. Science, 1991, 254, 1791-1794.	6.0	186
28	Immobilized Metal Ion Affinity Chromatography (IMAC) Chemistry and Bioseparation Applications. Separation and Purification Reviews, 1991, 20, 49-106.	0.8	130
29	The Functional Expression of Antibody Fv Fragments in Ischhuchia coli: Improved Vectors and a Generally Applicable Purification Technique. Nature Biotechnology, 1991, 9, 273-278.	9.4	203
30	Complete Separation of Albumin and Hemoglobin by Metal Chelate Affinity Chromatography. Separation Science and Technology, 1991, 26, 637-645.	1.3	13
31	Immobilized Metal Ion Affinity Chromatography. , 1992, 11, 17-32.		10
32	Anatomy of an unusual RNA polymerase II promoter containing a downstream TATA element Molecular and Cellular Biology, 1992, 12, 2884-2897.	1.1	27
33	Interaction of hexahistidine fusion proteins with nitrilotriacetic acid-chelated Ni2+ ions. Methods, 1992, 4, 68-72.	1.9	14
34	Single-step purification of bacterially expressed polypeptides containing an oligo-histidine domain. Gene, 1992, 111, 99-104.	1.0	158
35	Immobilized metal ion affinity chromatography. Protein Expression and Purification, 1992, 3, 263-281.	0.6	554
36	Purification of recombinant antigenic epitopes of the human 68-kDa (U1) ribonucleoprotein antigen using the expression system pH6EX3 followed by metal chelating affinity chromatography. Protein Expression and Purification, 1992, 3, 50-56.	0.6	53

#	Article	IF	Citations
37	Affinity purification of histidine-tagged proteins transiently produced in HeLa cells. Gene, 1992, 121, 321-324.	1.0	39
38	Physical interaction between heat shock proteins DnaK, DnaJ, and GrpE and the bacterial heat shock transcription factor Ïf 32. Cell, 1992, 69, 833-842.	13.5	332
39	How to use immobilized metal ion affinity chromatography. Methods, 1992, 4, 4-13.	1.9	51
40	High-level expression in Escherichia coli and rapid purification of enzymatically active honey bee venom phospholipase A2. Lipids and Lipid Metabolism, 1992, 1165, 201-210.	2.6	97
41	Plasmid pGEX-5T: An alternative system for expression and purification of recombinant proteins. Biotechnology Letters, 1992, 14, 245-250.	1.1	30
42	Immobilization of monoclonal antibodies for affinity chromatography using a chelating peptide. Journal of Chromatography A, 1992, 595, 113-119.	1.8	21
43	Molecular analysis of Plasmodium falciparum hexokinase. Molecular and Biochemical Parasitology, 1992, 56, 89-101.	0.5	40
44	Isolation and functional analysis of histidine-tagged elongation factor Tu. FEBS Journal, 1992, 210, 177-183.	0.2	60
45	Determining the effect of inducible protein phosphorylation on the DNA-binding activity of transcription factors. Analytical Biochemistry, 1992, 203, 302-309.	1.1	53
46	Affinity thermoprecipitatin: Contribution of the efficiency of ligand-protein interaction and access of the ligand. Biotechnology and Bioengineering, 1993, 41, 1101-1106.	1.7	48
47	Immobilization of ?-galactosidase for application in organic chemistry using a chelating peptide. Biotechnology and Bioengineering, 1993, 42, 178-184.	1.7	18
48	Single-step purification of a bacterially expressed antibody Fv fragment by immobilized metal affinity chromatography in the presence of betaine. Journal of Chromatography A, 1993, 657, 55-61.	1.8	29
49	P22 Arc repressor: Enhanced expression of unstable mutants by addition of polar Câ€terminal sequences. Protein Science, 1993, 2, 2198-2205.	3.1	77
50	Nim1 kinase promotes mitosis by inactivating Wee1 tyrosine kinase. Nature, 1993, 363, 738-741.	13.7	161
51	Molecular analysis of a microaerobically induced operon required for hydrogenase synthesis in Rhizobium leguminosarum biovar viciae. Molecular Microbiology, 1993, 8, 471-481.	1.2	52
52	Gene sequence, cDNA construction, expression in Escherichia coli and genetically approached purification of porcine interleukin-1beta. FEBS Journal, 1993, 217, 45-52.	0.2	17
53	Affinity purification of histidine-tagged proteins. Molecular Biology Reports, 1993, 18, 223-230.	1.0	215
54	The glucose transporter of Escherichia coli. FEBS Letters, 1993, 324, 109-112.	1.3	36

#	Article	IF	Citations
55	Cloning, expression and purification of a recombinant poly-histidine-linked HIV-1 protease. FEBS Letters, 1993, 326, 275-280.	1.3	12
56	Improvement of downstream processing of recombinant proteins by means of genetic engineering methods. Biotechnology Advances, 1993, $11$ , $31$ -77.	6.0	31
57	Identification and biochemical characterization of the ligand binding domain of the collagen adhesin from Staphylococcus aureus. Biochemistry, 1993, 32, 11428-11435.	1.2	134
58	Specific interaction between adenoviral 55-kDa E1B protein and in vivo produced p53 fusion proteins. Gene, 1993, 131, 231-236.	1.0	4
59	Histidine-tagged RNA polymerase: dissection of the transcription cycle using immobilized enzyme. Gene, 1993, 130, 9-14.	1.0	117
60	The protein product of the fragile X gene, FMR1, has characteristics of an RNA-binding protein. Cell, 1993, 74, 291-298.	13.5	636
61	Dual roles of a multiprotein complex from S. cerevisiae in transcription and DNA repair. Cell, 1993, 75, 1379-1387.	13.5	337
62	A Multifunctional Prokaryotic Protein Expression System: Overproduction, Affinity Purification, and Selective Detection. DNA and Cell Biology, 1993, 12, 441-453.	0.9	92
63	Differential patterns of DNA binding by myc and max proteins Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 960-964.	3.3	62
64	The Galactosyl Ceramide/Sulfatide Receptor Binding Region of HIV-1 gp120 Maps to Amino Acids 206-275. AIDS Research and Human Retroviruses, 1993, 9, 175-181.	0.5	96
65	GTPase activity of a bacterial SRP-like complex. Nucleic Acids Research, 1993, 21, 847-853.	6.5	36
66	A single cDNA, hTFIIA/alpha, encodes both the p35 and p19 subunits of human TFIIA Genes and Development, 1993, 7, 2220-2234.	2.7	109
67	Mycobacterium tuberculosis expresses two chaperonin-60 homologs Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2608-2612.	3.3	134
68	Distribution and function of Ca2+-dependent, calmodulin-independent protein kinases., 1993,, 123-148.		0
69	Functional analysis of pre-mRNA splicing factor SF2/ASF structural domains EMBO Journal, 1993, 12, 4715-4726.	3.5	225
70	Genetic analysis of the leucine heptad repeats of Lac repressor: evidence for a 4-helical bundle EMBO Journal, 1993, 12, 3227-3236.	3.5	84
71	A mitochondrial homolog of bacterial GrpE interacts with mitochondrial hsp70 and is essential for viability EMBO Journal, 1994, 13, 1998-2006.	3.5	162
72	Expression and characterization of recombinant anti-Rh(D) antibodies on filamentous phage: a model system for isolating human red blood cell antibodies by repertoire cloning. Blood, 1994, 83, 2334-2344.	0.6	51

#	Article	IF	CITATIONS
73	Inhibition of rab5 GTPase activity stimulates membrane fusion in endocytosis EMBO Journal, 1994, 13, 1287-1296.	3.5	837
74	Purification and partial characterisation of a novel 66-kDa seroreactive protein of Mycobacterium tuberculosis H37Rv. Journal of Medical Microbiology, 1994, 41, 173-178.	0.7	7
75	Five SWI/SNF gene products are components of a large multisubunit complex required for transcriptional enhancement Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 2905-2908.	3.3	384
76	Skin reactivity and fibronectin-binding property of TB66 (66-kDa protein of Mycobacterium) Tj ETQq1 1 0.78431	4 rgBT /Ov	verlock 10 Tf !
77	Chimeric restriction endonuclease Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 883-887.	3.3	170
78	N-ethylmaleimide-sensitive fusion protein: a trimeric ATPase whose hydrolysis of ATP is required for membrane fusion Journal of Cell Biology, 1994, 126, 945-954.	2.3	395
79	Method to identify hexahistidine fusion proteins in crude cellular lysate. Biotechnology Letters, 1994, 8, 39.	0.5	0
80	Expression of engineered antibodies in plant cells. Plant Molecular Biology, 1994, 26, 1023-1030.	2.0	60
81	Detection of a putative 30-kDa ligand of the cluster-2 antigen. International Journal of Cancer, 1994, 57, 70-75.	2.3	8
82	Purification and characterization of an activated form of the protein tyrosine kinase Lck from anEscherichia coli expression system. Journal of Cellular Biochemistry, 1994, 55, 389-397.	1.2	12
83	Protein fractionation using fast flow immobilized metal chelate affinity membranes. Biotechnology and Bioengineering, 1994, 43, 21-36.	1.7	73
84	Manufacture of recombinant proteins with safe and validated chromatographic sorbents. Biomedical Applications, 1994, 662, 143-179.	1.7	28
85	Preparative affinity chromatography of proteins. Journal of Chromatography A, 1994, 658, 237-258.	1.8	85
86	Silica-based metal chelate affinity sorbents I. Preparation and characterization of iminodiacetic acid affinity sorbents prepared via different immobilization techniques. Journal of Chromatography A, 1994, 672, 35-49.	1.8	51
87	Immobilized metal-ion affinity partitioning of NAD+-dependent dehydrogenases in poly(ethylene) Tj ETQq0 0 0 rg	gBT_lOverlo	ock 10 Tf 50 I
88	Recent developments in heterologous protein production in Escherichia coli. Trends in Biotechnology, 1994, 12, 456-463.	4.9	175
89	Immobilized metal ion affinity chromatography. Molecular Biotechnology, 1994, 1, 151-164.	1.3	47
90	Immobilization of Mercuric reductase from aPseudomonas putida strain on different activated carriers. Applied Biochemistry and Biotechnology, 1994, 44, 135-150.	1.4	7

#	Article	IF	CITATIONS
91	Efficient production of active and mutated ADP-ribosyltransferase (S1) of pertussis toxin using affinity expression cassette polymerase chain reaction. FEMS Immunology and Medical Microbiology, 1994, 8, 197-206.	2.7	2
92	Purification of CpG islands using a methylated DNA binding column. Nature Genetics, 1994, 6, 236-244.	9.4	433
93	Identification and characterization of hitherto unknownMycoplasma pneumoniaeproteins. Molecular Microbiology, 1994, 13, 337-348.	1.2	64
94	Isolation of a 43 kDa protein from Mycobacterium tuberculosis H <sub>37</sub> Rv and its identification as a pyridine nucleotide transhydrogenase. Journal of Applied Bacteriology, 1994, 77, 639-643.	1.1	5
95	Separation of complexes of major histocompatibility class II molecules and known antigenic peptide by metal chelate affinity chromatography. Journal of Immunological Methods, 1994, 169, 273-285.	0.6	7
96	Multiple protein-aspartate phosphatases provide a mechanism for the integration of diverse signals in the control of development in B. subtilis. Cell, 1994, 79, 1047-1055.	13.5	302
97	Construction of His6-tagging vectors allowing single-step purification of GroES and other polypeptides produced in Bacillus subtilis. Gene, 1994, 147, 91-94.	1.0	31
98	Effects of Minor Groove Binding Drugs on the Interaction of TATA Box Binding Protein and TFIIA with DNA. Biochemistry, 1994, 33, 7033-7040.	1.2	163
99	6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expressiod/Purification. , 1994, 31, 371-388.		179
100	The immobilized movement proteins of two tobamoviruses form stable ribonucleoprotein complexes with full-length viral genomic RNA. FEBS Letters, 1994, 346, 217-220.	1.3	20
101	Formation of SRP-like particle induces a conformational change in E. coli 4.5S RNA. FEBS Letters, 1994, 348, 233-238.	1.3	34
102	Expression of the sarcoplasmic reticulum Ca2+-ATPase in yeast. FEBS Letters, 1994, 354, 117-122.	1.3	41
103	PCR directed preparation and single step purification of highly active histidine-tagged restriction endonuclease HgiBI (GGWCC). Journal of Proteomics, 1994, 29, 113-121.	2.4	3
104	Ubiquitin-dependent c-Jun degradation in vivo is mediated by the $\hat{l}$ domain. Cell, 1994, 78, 787-798.	13.5	935
105	The affinity technology in downstream processing. Journal of Biotechnology, 1994, 36, 95-119.	1.9	117
106	Metal Affinity Engineering of Proinsulin Carrying Genetically Attached (His) <sub>10</sub> -X-Met Affinity Tail and Removal of the Tag by Cyanogen Bromide. Bioscience, Biotechnology and Biochemistry, 1994, 58, 1694-1699.	0.6	6
107	Budding and fission yeast casein kinase I isoforms have dual-specificity protein kinase activity Molecular Biology of the Cell, 1994, 5, 877-886.	0.9	71
108	Fibronectin Receptors from Gram-Positive Bacteria: Comparison of Active Sites. Biochemistry, 1994, 33, 6086-6092.	1.2	83

#	Article	IF	CITATIONS
109	PCR-based cloning of the full-length Neurospora eukaryotic initiation factor 5A cDNA: polyhistidine-tagging and overexpression for protein affinity binding. Biochemical Journal, 1994, 302, 517-525.	1.7	17
110	Purification of Rhizobium leguminosarum HypB, a nickel-binding protein required for hydrogenase synthesis. Journal of Bacteriology, 1994, 176, 6066-6073.	1.0	92
111	[15] Analysis of c-Fos and c-Jun redox-dependent DNA binding activity. Methods in Enzymology, 1994, 234, 163-174.	0.4	25
112	Interaction of the small interstitial proteoglycans biglycan, decorin and fibromodulin with transforming growth factor $\langle i \hat{l}^2 \langle i \rangle$ . Biochemical Journal, 1994, 302, 527-534.	1.7	930
113	SRY protein enhances transcription of Fos-related antigen 1 promoter constructs Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4372-4376.	3.3	68
114	Folded proteins occur frequently in libraries of random amino acid sequences Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 2146-2150.	3.3	180
115	Protein phosphatase 2C, encoded by ptc1+, is important in the heat shock response of Schizosaccharomyces pombe Molecular and Cellular Biology, 1994, 14, 3742-3751.	1.1	71
116	[16] Isolation of protein import components from Saccharomyces cerevisiae mitochondria. Methods in Enzymology, 1995, 260, 232-241.	0.4	5
117	[4] Avian hematopoietic cell culture: In vitro model systems to study oncogenic transformation of hematopoietic cells. Methods in Enzymology, 1995, 254, 41-76.	0.4	30
118	[35] Galactose-specific adhesion mechanisms of Entamoeba histolytica: Model for study of enteric pathogens. Methods in Enzymology, 1995, 253, 424-439.	0.4	11
119	Chapter 34 Expression of Plant Proteins in Baculoviral and Bacterial Systems. Methods in Cell Biology, 1995, 50, 461-479.	0.5	1
120	Do products of the myc proto-oncogene play a role in transcriptional regulation of the prothymosin alpha gene?. Molecular and Cellular Biology, 1995, 15, 6999-7009.	1.1	25
121	Rapid RNA polymerase genetics: one-day, no-column preparation of reconstituted recombinant Escherichia coli RNA polymerase Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4902-4906.	3.3	121
122	Purification of His-Tag fusion proteins from Escherichia coli. Trends in Biochemical Sciences, 1995, 20, 285-286.	3.7	120
123	Purification of Turnip Mosaic Potyvirus Viral Protein Genome-Linked Proteinase Expressed in Escherichia coli and Development of a Quantitative Assay for Proteolytic Activity. FEBS Journal, 1995, 229, 107-112.	0.2	13
124	Expression and Purification of the High-affinity Phosphate Transporter of Saccharomyces cerevisiae. FEBS Journal, 1995, 227, 566-572.	0.2	44
125	Characterization of an oligonucleotide-binding fluorescent ligand for application in affinity purification of dsDNA. Biotechnology and Bioengineering, 1995, 48, 25-35.	1.7	3
126	Synthesis of pentasaccharide analogues of the N-glycan substrates of N-acetylglucosaminyltransferases III, IV and V using tetrasaccharide precursors and recombinant $\hat{l}^2$ -(1 $\hat{a}\dagger$ ') Tj ETQ	q11110.784	43 <b>1</b> gBT /C

#	Article	IF	CITATIONS
127	Purification of histidine-taggedras and its use in the detection ofras binding proteins. Molecular and Cellular Biochemistry, 1995, 144, 167-173.	1.4	3
128	A family of bacteriocin ABC transporters carry out proteolytic processing of their substrates concomitant with export. Molecular Microbiology, 1995, 16, 229-240.	1.2	573
129	A Biotechnological Method Provides Access to Aggregation Competent Monomeric Alzheimer's 1–42 Residue Amyloid Peptide. Nature Biotechnology, 1995, 13, 988-993.	9.4	49
130	High-Level Production and Long-Term Storage of Engineered Antibodies in Transgenic Tobacco Seeds. Bio/technology, 1995, 13, 1090-1093.	1.9	166
131	Neisseria PilC protein identified as type-4 pilus tip-located adhesin. Nature, 1995, 373, 357-359.	13.7	323
132	Site-specific RNase E cleavage of oligonucleotides and inhibition by stem–loops. Nature, 1995, 374, 287-290.	13.7	145
133	Cooperatively folded proteins in random sequence libraries. Nature Structural Biology, 1995, 2, 856-864.	9.7	149
134	Removal of endotoxins by affinity sorbents. Journal of Chromatography A, 1995, 711, 81-92.	1.8	75
135	Stable chelating linkage for reversible immobilization of oligohistidine tagged proteins in the BIAcore surface plasmon resonance detector. Journal of Immunological Methods, 1995, 183, 65-76.	0.6	126
136	Characterization and localization of cathepsin B proteinases expressed by adult Ancylostoma caninum hookworms. Molecular and Biochemical Parasitology, 1995, 71, 163-171.	0.5	62
137	Single step purification of biologically active recombinant rat basic fibroblast growth factor by immobilized metal affinity chromatography. BBA - Proteins and Proteomics, 1995, 1250, 29-34.	2.1	11
138	Production and characterization of recombinant human proteinase inhibitor 6 expressed in Pichia pastoris. BBA - Proteins and Proteomics, 1995, 1252, 28-34.	2.1	43
139	One-step purification of recombinant proteins with the 6xHis tag and Ni-NTA resin. Molecular Biotechnology, 1995, 4, 247-258.	1.3	62
140	An essential single domain response regulator required for normal cell division and differentiation in Caulobacter crescentus EMBO Journal, 1995, 14, 3915-3924.	3.5	138
141	Activation of the dephosphorylation of nitrogen regulator I-phosphate of Escherichia coli. Journal of Bacteriology, 1995, 177, 926-931.	1.0	33
142	Thrombospondin-related adhesive protein (TRAP) of Plasmodium falciparum: expression during sporozoite ontogeny and binding to human hepatocytes EMBO Journal, 1995, 14, 3883-3894.	3.5	137
143	Poly(A) Tail Length Control Is Caused by Termination of Processive Synthesis. Journal of Biological Chemistry, 1995, 270, 2800-2808.	1.6	169
144	A prokaryotic potassium ion channel with two predicted transmembrane segments from Streptomyces lividans EMBO Journal, 1995, 14, 5170-5178.	3.5	314

#	Article	IF	CITATIONS
145	A novel nitrite reductase gene from the cyanobacterium Plectonema boryanum. Journal of Bacteriology, 1995, 177, 6137-6143.	1.0	53
146	Identification of Optimized Target Sequences for the GLI3 Zinc Finger Protein. DNA and Cell Biology, 1995, 14, 629-634.	0.9	39
147	Genetically Engineered HIV Type 1 Peptides as Tools for the Determination of Anti-V3 Loop Antibody Titers in Sera from HIV Type 1-Infected Patients. AIDS Research and Human Retroviruses, 1995, 11, 1459-1465.	0.5	1
148	Quantitation of Transition Metals Using Genetically Engineered Enzymes Carrying Polyhistidine Tails. Analytical Letters, 1995, 28, 1159-1171.	1.0	4
149	The CUG codon is decodedin vivoas serine and not leucine inCandida albicans. Nucleic Acids Research, 1995, 23, 1481-1486.	6.5	244
150	Heterogeneous Nuclear Ribonucleoproteins H, H′, and F Are Members of a Ubiquitously Expressed Subfamily of Related but Distinct Proteins Encoded by Genes Mapping to Different Chromosomes. Journal of Biological Chemistry, 1995, 270, 28780-28789.	1.6	109
151	Chromatographic Techniques for the Characterization of Proteins. Pharmaceutical Biotechnology, 1995, 7, 243-299.	0.3	3
152	Isolation and characterisation of antibodies which specifically recognise the peptide encoded by exon 7 (v2) of the human CD44 gene. Journal of Clinical Pathology, 1995, 48, M241-M250.	2.1	12
153	Quantitation of oligohistidine fusion proteins using 63Ni2+chelation. Nucleic Acids Research, 1995, 23, 3069-3070.	6.5	4
154	Production of Human Secretory Component with Dimeric IgA Binding Capacity Using Viral Expression Systems. Journal of Biological Chemistry, 1995, 270, 14220-14228.	1.6	50
155	The NH2-terminal Half of the Tn10-specified Tetracycline Efflux Protein TetA Contains a Dimerization Domain. Journal of Biological Chemistry, 1995, 270, 22752-22757.	1.6	22
156	Purification of Recombinant G Proteins from Sf9 Cells by Hexahistidine Tagging of Associated Subunits. Journal of Biological Chemistry, 1995, 270, 1734-1741.	1.6	305
157	A 19-kDa Protein Belonging to a New Family Is Expressed in the Golgi Apparatus of Neural Cells. Journal of Biological Chemistry, 1995, 270, 1888-1893.	1.6	24
158	Identification of Asp258 as the Metal Coordinate of Pigeon Liver Malic Enzyme by Site-Specific Mutagenesis. Biochemistry, 1995, 34, 7949-7954.	1.2	42
159	Engineering a Metal Binding Site within a Polytopic Membrane Protein, the Lactose Permease of Escherichia coli. Biochemistry, 1995, 34, 6272-6277.	1.2	90
160	Reversible oriented immobilization of histidine-tagged proteins on gold surfaces using a chelator thioalkane. Supramolecular Science, 1995, 2, 155-160.	0.7	35
161	The GTPase activity of the Escherichia coli Ffh protein is important for normal growth. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1267, 83-91.	1.9	12
162	PCR-directed preparation and single-step purification of highly active histidine-tagged restriction endonuclease HgiBI (GGWCC). Gene, 1995, 157, 107-108.	1.0	3

#	Article	IF	CITATIONS
163	High-level production and one-step purification of biologically active human growth hormone in Escherichia coli. Gene, 1995, 165, 303-306.	1.0	44
164	Isolation and characterization of the cDNA for pea chloroplast SecA Evolutionary conservation of the bacterial-type SecA-dependent protein transport within chloroplasts. FEBS Letters, 1995, 364, 305-308.	1.3	41
165	PTF1 encodes an essential protein in Saccharomyces cerevisiae, which shows strong homology with a new putative family of PPlases. FEBS Letters, 1995, 365, 198-202.	1.3	90
166	Melibiose permease of Escherichia coli: Large scale purification and evidence that H+, Na+, and Li+ sugar symport is catalyzed by a single polypeptide. Biochemistry, 1995, 34, 4412-4420.	1.2	104
167	Purification of bacterially expressed single chain Fv antibodies for clinical applications using metal chelate chromatography. Journal of Immunological Methods, 1995, 179, 105-116.	0.6	117
168	Nested sets of protein fragments and their use in epitope mapping: characterization of the epitope for the S4D5 monoclonal antibody binding to receptor associated protein. Journal of Immunological Methods, 1995, 180, 53-61.	0.6	14
169	The potentials of the in vitro protein biosynthesis system. Journal of Biotechnology, 1995, 41, 81-90.	1.9	47
170	Expression of Monovalent Fragments Derived from a Human IgM Autoantibody in E. Coli. The Input of the Somatically Mutated CDR1/CDR2 and of the CDR3 into Antigen Binding Specificity. Immunobiology, 1995, 193, 400-419.	0.8	4
171	[13] Purification and characterization of human immunodeficiency virus type 1 reverse transcriptase. Methods in Enzymology, 1995, 262, 130-144.	0.4	116
172	The restricted expression pattern of the POU factor Oct-6 during early development of the mouse nervous system. Mechanisms of Development, 1996, 54, 185-194.	1.7	43
173	Non-porous magnetic chelator supports for protein recovery by immobilised metal affinity adsorption. Journal of Biotechnology, 1996, 50, 13-25.	1.9	107
174	Metal-Chelate Affinity Chromatography. , 1996, Volume 4 Issue 1, 9.4.1-9.4.16.		21
175	Analysis of Active Site Residues in Escherichia coli Chorismate Mutase by Site-Directed Mutagenesis. Journal of the American Chemical Society, 1996, 118, 1789-1790.	6.6	65
176	Stable high-copy-number bacteriophage î» promoter vectors for overproduction of proteins in Escherichia coli. Gene, 1996, 176, 49-53.	1.0	96
177	Double tagging recombinant A1- and A2A-adenosine receptors with hexahistidine and the FLAG epitope. Biochemical Pharmacology, 1996, 51, 545-555.	2.0	72
178	Analysis of the recognition mechanism of the alternative pathway of complement by monoclonal anti-factor H antibodies: evidence for multiple interactions between H and surface bound C3b. FEBS Letters, 1996, 393, 297-302.	1.3	83
179	Expression of the gene for tear lipocalin/von Ebner's gland protein in human prostate. FEBS Letters, 1996, 395, 95-98.	1.3	40
180	Expression of Biologically Active Human SPARC inEscherichia coli. Archives of Biochemistry and Biophysics, 1996, 325, 8-19.	1.4	32

#	Article	IF	Citations
181	An essential component of the decapping enzyme required for normal rates of mRNA turnover. Nature, 1996, 382, 642-646.	13.7	316
182	Renaturation of SPARC expressed in Escherichia coli requires isomerization of disulfide bonds for recovery of biological activity. International Journal of Biochemistry and Cell Biology, 1996, 28, 1031-1043.	1.2	19
183	A cDNA Cloning System Based on Filamentous Phage: Selection and Enrichment of Functional Gene Products by Protein/Ligand Interactions Made Possible by Linkage of Recognition and Replication Functions., 1996,, 195-214.		4
184	Metalâ€Chelate Affinity Chromatography. Current Protocols in Molecular Biology, 1996, 36, Unit 10.11B.	2.9	6
185	Retention Behavior of Amino Acids and Peptides on Protoporphyrin-Silica Stationary Phases with Varying Metal Ion Centers. Analytical Chemistry, 1996, 68, 2818-2825.	3.2	58
187	In vitro folding of inclusion body proteins. FASEB Journal, 1996, 10, 49-56.	0.2	609
188	Essential role of a sodium dodecyl sulfate-resistant protein IV multimer in assembly-export of filamentous phage. Journal of Bacteriology, 1996, 178, 1962-1970.	1.0	62
189	Asp333, Asp495, and His52.3 Form the Catalytic Triad of Rat Soluble Epoxide Hydrolase. Journal of Biological Chemistry, 1996, 271, 4223-4229.	1.6	126
190	In vitro binding of the Salmonella dublin virulence plasmid regulatory protein SpvR to the promoter regions of spvA and spvR. Journal of Bacteriology, 1996, 178, 1813-1820.	1.0	44
191	Functional Dissection of Eukaryotic Initiation Factor 4F: the 4A Subunit and the Central Domain of the 4G Subunit Are Sufficient To Mediate Internal Entry of 43S Preinitiation Complexes. Molecular and Cellular Biology, 1996, 16, 6870-6878.	1.1	337
192	Hybrid restriction enzymes: zinc finger fusions to Fok I cleavage domain Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1156-1160.	3.3	1,748
193	Crystallization and identification of an assembly defect of recombinant antenna complexes produced in transgenic tobacco plants. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14966-14971.	3.3	31
194	Isolation of a 33-kDa protein antigen from delipidified Mycobacterium tuberculosis H 37 Rv. Medical Microbiology and Immunology, 1996, 185, 153-155.	2.6	3
195	Splase: A new class IIs zinc-finger restriction endonuclease with specificity for Sp1 binding sites. The Protein Journal, 1996, 15, 481-489.	1.1	33
196	Overexpression, Solubization and Purification of Rat and Human Olfactory Receptors. FEBS Journal, 1996, 238, 28-37.	0.2	37
197	Purification and Characterization of Human Topoisomerase I Mutants. FEBS Journal, 1996, 236, 389-394.	0.2	29
198	Escherichia coli Isocitrate Dehydrogenase Kinase/Phosphatase. Overproduction and Kinetics of Interaction with its Substrates by using Intrinsic Fluorescence and Fluorescent Nucleotide Analogues. FEBS Journal, 1996, 237, 247-254.	0.2	18
199	The Lipase from Staphylococcus aureus. Expression in Escherichia coli, Large-scale Purification and Comparison of Substrate Specificity to Staphylococcus hyicus Lipase. FEBS Journal, 1996, 242, 760-769.	0.2	79

#	Article	IF	CITATIONS
200	Expression and divalent cation binding properties of the novel chemotactic inflammatory protein psoriasin. Electrophoresis, 1996, 17, 1787-1796.	1.3	29
201	Salicylaldehyde-metal-amino acid ternary complex: A new tool for immobilized metal affinity chromatography., 1996, 9, 375-382.		7
202	Polyvinyl alcohol-coated perfluorocarbon supports for metal chelating affinity separation of a monoclonal antibody., 1996, 9, 394-400.		10
203	Molecular characterization of recombinant human adenosine receptors. Drug Development Research, 1996, 39, 243-252.	1.4	72
204	A Zn(II)-binding site engineered into retinol-binding protein exhibits metal-ion specificity and allows highly efficient affinity purification with a newly designed metal ligand. Chemistry and Biology, 1996, 3, 645-653.	6.2	25
205	Purification of the Tn10-specified tetracycline efflux antiporter TetA in a native state as a polyhistidine fusion protein. Molecular Microbiology, 1996, 19, 187-195.	1.2	44
206	An inducible expression system of histidine-tagged proteins in Streptomyces lividans for one-step purification by Ni2+affinity chromatography. FEMS Microbiology Letters, 1996, 137, 135-140.	0.7	10
207	Enhanced metalloadsorption of bacterial cells displaying poly-His peptides. Nature Biotechnology, 1996, 14, 1017-1020.	9.4	166
208	Metal in restrained means. Nature Biotechnology, 1996, 14, 947-947.	9.4	0
209	Psoriasin: A Novel Chemotactic Protein. Journal of Investigative Dermatology, 1996, 107, 5-10.	0.3	213
210	Engineering a de novo-designed coiled-coil heterodimerization domain for the rapid detection, purification and characterization of recombinantly expressed peptides and proteins. Protein Engineering, Design and Selection, 1996, 9, 1029-1042.	1.0	88
211	Molecular Analysis of a New Member of the Opium Poppy Tyrosine/3,4-Dihydroxyphenylalanine Decarboxylase Gene Family. Plant Physiology, 1996, 110, 43-49.	2.3	27
212	Fusion with an RNA binding domain to confer target RNA specificity to an RNase: design and engineering of Tat-RNase H that specifically recognizes and cleaves HIV-1 RNA in vitro. Nucleic Acids Research, 1996, 24, 1908-1912.	6.5	16
213	TPR proteins required for anaphase progression mediate ubiquitination of mitotic B-type cyclins in yeast Molecular Biology of the Cell, 1996, 7, 791-801.	0.9	117
214	Assembly of virus-like particles in insect cells infected with a baculovirus containing a modified coat protein gene of potato leafroll luteovirus. Journal of General Virology, 1996, 77, 1349-1358.	1.3	34
215	Characterization and Chromosomal Localization of a New Protein Disulfide Isomerase, PDIp, Highly Expressed in Human Pancreas. DNA and Cell Biology, 1996, 15, 9-16.	0.9	74
216	Characterization and Biologic Activities of Recombinant Rat Soluble Interleukin-6 Receptor. Journal of Interferon and Cytokine Research, 1996, 16, 973-981.	0.5	9
217	Epitope Mapping of New Monoclonal Antibodies Recognizing Distinct Human FcRII (CD32) Isoforms. Hybridoma, 1996, 15, 109-116.	0.9	18

#	Article	IF	CITATIONS
218	Expression of peptides encoded by exons in cloned mammalian DNA. Nucleic Acids Research, 1996, 24, 4358-4359.	6.5	0
219	A Monoclonal Antibody Enhances Ligand Binding of Fibronectin MSCRAMM (Adhesin) from Streptococcus dysgalactiae. Journal of Biological Chemistry, 1996, 271, 1371-1378.	1.6	44
220	Histidine Patch Thioredoxins. Journal of Biological Chemistry, 1996, 271, 5059-5065.	1.6	59
221	New Applications of Bacterial Systems to Problems in Toxicology. Critical Reviews in Toxicology, 1996, 26, 551-583.	1.9	94
222	Purification and Reconstitution of a Recombinant Human Neurokinin-1 Receptor. Journal of Receptor and Signal Transduction Research, 1996, 16, 191-207.	1.3	12
223	Immobilized Metal Ion Affinity Chromatography. , 1996, 59, 197-210.		14
224	Generation of Recombinant Baculovirus DNA in E. coli Using a Baculovirus Shuttle Vector., 1998, 13, 213-236.		17
225	Bacterial Expression, Purification, and Potential Use of His-Tagged GAL4 Fusion Proteins., 1997, 63, 129-138.		1
226	Application of TEV Protease in Protein Production. , 1998, 13, 169-184.		11
227	Procedures for the Analysis and Purification of His-Tagged Proteins. , 1998, 13, 293-308.		1
228	Novel Regulation of the Helix-Loop-Helix Protein Id1 by S5a, a Subunit of the 26 S Proteasome. Journal of Biological Chemistry, 1997, 272, 19140-19151.	1.6	31
229	Acceleration of Plasminogen Activation by Tissue Plasminogen Activator on Surface-bound Histidine-proline-rich Glycoprotein. Journal of Biological Chemistry, 1997, 272, 5718-5726.	1.6	45
231	Involvement of the C-terminal Domain of an ATP-binding Subunit in the Regulation of the ABC-type Nitrate/Nitrite Transporter of the Cyanobacterium Synechococcus sp. Strain PCC 7942. Journal of Biological Chemistry, 1997, 272, 27197-27201.	1.6	61
232	PCR-Based Cloning and Subsequent Expression of Antigenic Proteins in Escherichia coli. , 1998, 13, 157-168.		0
233	High prevalence of cytotoxin positive Helicobacter pylori in patients unrelated to the presence of peptic ulcers in Japan. Gut, 1997, 41, 463-468.	6.1	43
234	A Mammalian Homolog of the Yeast LCB1 Encodes a Component of Serine Palmitoyltransferase, the Enzyme Catalyzing the First Step in Sphingolipid Synthesis. Journal of Biological Chemistry, 1997, 272, 32108-32114.	1.6	132
235	Stress-activated protein kinase pathway in cell cycle control of fission yeast. Methods in Enzymology, 1997, 283, 506-520.	0.4	62
236	Chicken MAR-Binding Protein ARBP Is Homologous to Rat Methyl-CpG-Binding Protein MeCP2. Molecular and Cellular Biology, 1997, 17, 5656-5666.	1.1	113

#	Article	IF	CITATIONS
237	Solid Phase Synthesis, Cloning and Expression of a Synthetic Gene Encoding a Collagen-Like Peptide. Nucleosides & Nucleotides, 1997, 16, 875-882.	0.5	2
238	In vitroâ€Faltung von Inclusion Bodyâ€Proteinen. Nachrichten Aus Der Chemie, 1997, 45, 753-758.	0.0	2
239	The human complement regulatory factor-H-like protein 1, which represents a truncated form of factor H, displays cell-attachment activity. Biochemical Journal, 1997, 326, 321-327.	1.7	84
240	Making chemistry selectable by linking it to infectivity. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 11777-11782.	3.3	61
241	Substrate-binding Lipoprotein of the Cyanobacterium Synechococcus sp. Strain PCC 7942 Involved in the Transport of Nitrate and Nitrite. Journal of Biological Chemistry, 1997, 272, 3036-3041.	1.6	105
242	The lac operon of Lactobacillus casei contains lacT, a gene coding for a protein of the Bg1G family of transcriptional antiterminators. Journal of Bacteriology, 1997, 179, 1555-1562.	1.0	60
243	Methods for increasing protein expression. Expert Opinion on Therapeutic Patents, 1997, 7, 769-771.	2.4	1
244	Analysis of Backbone Hydrogen Bonding in a $\hat{l}^2$ -Turn of Staphylococcal Nuclease. Journal of the American Chemical Society, 1997, 119, 12667-12668.	6.6	34
245	Metal Ion Trace Detection by a Chelator-Modified Gold Electrode:Â A Comparison of Surface to Bulk Affinity. Langmuir, 1997, 13, 5211-5214.	1.6	56
246	A Dual Affinity Tag on the 64-kDa Nlt1p Subunit Allows the Rapid Characterization of Mutant Yeast Oligosaccharyl Transferase Complexes. Archives of Biochemistry and Biophysics, 1997, 338, 1-6.	1.4	24
247	Structural study of the response regulator HupR from Rhodobacter capsulatus. electron microscopy of two-dimensional crystals on a nickel-chelating lipid. Journal of Molecular Biology, 1997, 274, 687-692.	2.0	52
248	Detection and Immobilization of Proteins Containing the 6xHis Tag., 1998, 13, 309-322.		0
249	Insertion of foreign random sequences of 120 amino acid residues into an active enzyme. FEBS Letters, 1997, 402, 177-180.	1.3	23
250	Ribonucleolytic activities in the Escherichia coliin vitro translation system and in its separate components. FEBS Letters, 1997, 414, 362-364.	1.3	4
251	Recombinant treponema pallidum antigens in syphilis serology. Immunobiology, 1997, 196, 535-549.	0.8	39
252	Novel green fluorescent protein (GFP) baculovirus expression vectors. Gene, 1997, 190, 157-162.	1.0	7
253	Site-specific cleavage of DNA–RNA hybrids by zinc finger/FokI cleavage domain fusions. Gene, 1997, 203, 43-49.	1.0	65
254	Suppressor mutations in Escherichia coli methionyl-tRNA formyltransferase: Role of a 16-amino acid insertion module in initiator tRNA recognition. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13524-13529.	3.3	28

#	Article	IF	CITATIONS
255	The two  subunits of Escherichia coli RNA polymerase are asymmetrically arranged and contact different halves of the DNA upstream element. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 1709-1714.	3.3	76
256	A GPI-linked protein that interacts with Ret to form a candidate neurturin receptor. Nature, 1997, 387, 717-721.	13.7	384
257	Neurturin responsiveness requires a GPI-linked receptor and the Ret receptor tyrosine kinase. Nature, 1997, 387, 721-724.	13.7	281
258	Isolation of a Rat Histidase cDNA Sequence and Expression in Escherichia coli- Evidence of Extrahepatic/Epidermal Distribution. FEBS Journal, 1997, 250, 212-221.	0.2	10
259	Regulation of the Flavin Redox Potential by Flavin-Binding Antibodies. FEBS Journal, 1997, 249, 393-400.	0.2	9
260	Amplified Expression, Purification and Functional Reconstitution of the Dipeptide and Tripeptide Transport Protein of Lactococcus Lactis. FEBS Journal, 1997, 247, 581-587.	0.2	19
261	Cloning, nucleotide sequence and expression of a mannitol dehydrogenase gene from Pseudomonas fluorescens DSM 50106 in Escherichia coli. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1351, 157-167.	2.4	46
262	Molecular cloning and expression of a novel Staphylococcus aureus antigen. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1350, 128-132.	2.4	22
263	Preparation of recombinant six-histidine-tagged human LECT2, a chemotactic protein to neutrophils, in Escherichia coli. Cytotechnology, 1997, 25, 235-238.	0.7	5
264	High seropositivity of anti-CagA antibody in Helicobacter pylori-infected patients irrelevant to peptic ulcers and normal mucosa in Japan. Digestive Diseases and Sciences, 1997, 42, 1841-1847.	1.1	67
265	Detection of antibodies against viral capsid proteins of human herpesvirus 8 in AIDS-associated Kaposi's sarcoma. Journal of Molecular Medicine, 1997, 75, 145-152.	1.7	36
266	Functional Expression and Purification of Histidine-Tagged Rat Renal Na/Phosphate (NaPi-2) and Na/Sulfate (NaSi-1) Cotransporters. Journal of Membrane Biology, 1997, 160, 111-117.	1.0	5
267	Membrane adsorbers for selective removal of bacterial endotoxin. Biomedical Applications, 1997, 693, 79-91.	1.7	74
268	Evaluation of immobilized metal affinity chromatography (IMAC) for isolation and recovery of strong copper-complexing ligands from marine waters. Marine Chemistry, 1997, 57, 1-10.	0.9	24
269	Polyphosphate kinase is a component of the Escherichia coli RNA degradosome. Molecular Microbiology, 1997, 26, 387-398.	1.2	125
270	Hydrazide as a ligand moiety in immobilized metal ion affinity chromatography. Journal of Chromatography A, 1997, 777, 261-265.	1.8	10
271	Preparation of magnetic immobilized metal affinity separation media and its use in the isolation of proteins. Journal of Chromatography A, 1998, 795, 211-217.	1.8	83
272	A panel set for epitope analysis of myeloperoxidase (MPO)-specific antineutrophil cytoplasmic antibody MPO-ANCA using recombinant hexamer histidine-tagged MPO deletion mutants. Journal of Clinical Immunology, 1998, 18, 142-152.	2.0	38

#	Article	IF	CITATIONS
273	Trichomonas vaginalis:Expression and Characterisation of RecombinantS-Adenosylhomocysteinase. Experimental Parasitology, 1998, 90, 175-180.	0.5	13
274	Protein memory through altered folding mediated by intramolecular chaperones. Nature, 1998, 392, 210-210.	13.7	2
275	G-protein-coupled receptor of Kaposi's sarcoma-associated herpesvirus is a viral oncogene and angiogenesis activator. Nature, 1998, 392, 210-210.	13.7	5
277	Poly(A)- and poly(U)-specific RNA 3′ tail shortening by E. coli ribonuclease E. Nature, 1998, 391, 99-102.	13.7	81
278	Different Vaccine Strategies Used to Protect against Theileria annulataa. Annals of the New York Academy of Sciences, 1998, 849, 234-246.	1.8	43
279	Molecular characterization of metal-binding polypeptide domains by electrospray ionization mass spectrometry and metal chelate affinity chromatography. Journal of Chromatography A, 1998, 800, 29-37.	1.8	36
280	Salt-induced immobilization of small affinity ligands on an epoxide-activated affinity support. Journal of Chromatography A, 1998, 803, 73-82.	1.8	16
281	Specific interaction and two-dimensional crystal-lisation of histidine tagged yeast RNA polymerase I on Nickel-chelating lipids. Biology of the Cell, 1998, 90, 283-283.	0.7	1
282	Rabbit monoclonal Fab derived from a phage display library. Journal of Immunological Methods, 1998, 213, 201-212.	0.6	27
283	Detection of low-affinity adhesion ligands by linking recombinant cell adhesion molecules in uniform orientation to a fluorescently labelled dextran molecule by means of hexahistidine tagging: the case of multimeric CD40. Journal of Immunological Methods, 1998, 215, 9-15.	0.6	6
284	Protein Selectivity with Immobilized Metal Ion-tacn Sorbents: Chromatographic Studies with Human Serum Proteins and Several Other Globular Proteins. Analytical Biochemistry, 1998, 255, 47-58.	1.1	53
285	Tandem Immobilized Metal-Ion Affinity Chromatography/Immunoaffinity Purification of His-tagged Proteins— Evaluation of Two Anti-His-Tag Monoclonal Antibodies. Analytical Biochemistry, 1998, 259, 54-61.	1.1	<b>7</b> 5
286	Expression of recombinant psoriasis-associated fatty acid binding protein in Escherichia coli: Gel electrophoretic characterization, analysis of binding properties and comparison with human serum albumin. Electrophoresis, 1998, 19, 1793-1802.	1.3	8
287	Selective adsorption of endotoxin inside a polycationic network of flat-sheet microfiltration membranes., 1998, 11, 222-230.		28
288	Recombinant soluble low-density lipoprotein receptor fragment inhibits common cold infection. , 1998, 11, 49-51.		9
290	A Photochemical Switch for Controlling Protein-Protein Interactions. Angewandte Chemie - International Edition, 1998, 37, 2104-2107.	7.2	43
291	Oriented immobilization of proteins. Mikrochimica Acta, 1998, 128, 127-143.	2.5	239
292	The uvp1 gene on the R46 plasmid encodes a resolvase that catalyzes site-specific resolution involving the 5′-conserved segment of the adjacent integron In1. Molecular Genetics and Genomics, 1998, 258, 404-411.	2.4	13

#	Article	IF	CITATIONS
293	Ultrastructural localization of nonstructural and coat proteins of 19 potyviruses using antisera to bacterially expressed proteins of plum pox potyvirus. Archives of Virology, 1998, 143, 2133-2158.	0.9	58
294	Cloning ofaas, a gene encoding aStaphylococcus saprophyticussurface protein with adhesive and autolytic properties. Molecular Microbiology, 1998, 29, 871-881.	1.2	139
295	Investigation of the diaphorase reaction of ferredoxin-NADP+ reductase by electrochemical methods. Bioelectrochemistry, 1998, 47, 179-183.	1.0	6
296	The mitochondrial ADP/ATP carrier: Structural, physiological and pathological aspects. Biochimie, 1998, 80, 137-150.	1.3	201
297	Evaluation of genetically attached histidine affinity tails for purification of lactate dehydrogenase from transgenic tobacco. Plant Science, 1998, 134, 103-114.	1.7	16
298	A Poxvirus-Encoded Semaphorin Induces Cytokine Production from Monocytes and Binds to a Novel Cellular Semaphorin Receptor, VESPR. Immunity, 1998, 8, 473-482.	6.6	222
299	Mapping the Position of Translational Elongation Factor EF-G in the Ribosome by Directed Hydroxyl Radical Probing. Cell, 1998, 92, 131-139.	13.5	223
300	Expression and characterization of a Synechocystis PCC 6803 P-type ATPase in E. coli plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1368, 267-275.	1.4	16
301	Pore Formation by Nisin Involves Translocation of Its C-Terminal Part across the Membraneâ€. Biochemistry, 1998, 37, 16033-16040.	1.2	76
302	Development of Novel Cell Surface CD34-Targeted Recombinant Adenoassociated Virus Vectors for Gene Therapy. Human Gene Therapy, 1998, 9, 1929-1937.	1.4	114
303	Solubility of Proteins Isolated from Inclusion Bodies Is Enhanced by Fusion to Maltose-Binding Protein or Thioredoxin. Protein Expression and Purification, 1998, 12, 122-132.	0.6	97
304	Recombinant Fusion Proteins for the Industrial Production of Disulfide Bridge Containing Peptides: Purification, Oxidation without Concatamer Formation, and Selective Cleavage. Protein Expression and Purification, 1998, 12, 404-414.	0.6	20
305	The Promoters for Human DNA-PKcs(PRKDC) and MCM4: Divergently Transcribed Genes Located at Chromosome 8 Band q11. Genomics, 1998, 47, 71-83.	1.3	40
306	NasR, a novel RNA-binding protein, mediates nitrate-responsive transcription antitermination of the Klebsiella oxytoca m5al nasF operon leader in Vitro 1 1Edited by M. Gottesman. Journal of Molecular Biology, 1998, 283, 339-351.	2.0	46
307	Expression of a prokaryotic P-type ATPase in E. coli plasma membranes and purification by Ni2+-affinity chromatography. Biological Procedures Online, 1998, 1, 70-80.	1.4	3
308	The Use of Variable Density Self-Assembled Monolayers to Probe the Structure of a Target Molecule. Biophysical Journal, 1998, 75, 1989-1996.	0.2	19
309	Specific Interaction and Two-Dimensional Crystallization of Histidine Tagged Yeast RNA Polymerase I on Nickel-Chelating Lipids. Biophysical Journal, 1998, 74, 1522-1532.	0.2	45
310	A Metal-Chelating Pluronic for Immobilization of Histidine-Tagged Proteins at Interfaces:Â Immobilization of Firefly Luciferase on Polystyrene Beads. Langmuir, 1998, 14, 3889-3894.	1.6	59

#	ARTICLE	IF	Citations
311	Organization of HIV-1 Capsid Proteins on a Lipid Monolayer. Journal of Biological Chemistry, 1998, 273, 7177-7180.	1.6	55
312	Chimeric Restriction Enzyme: Gal4 Fusion to <i>Fokl </i> Cleavage Domain. Biological Chemistry, 1998, 379, 489-496.	1.2	50
313	Haemolysin from Mycobacterium avium complex isolates from AIDS patients. Journal of Medical Microbiology, 1998, 47, 365-367.	0.7	2
314	A 21-kDa Polypeptide Belonging to a New Family of Proteins Is Expressed in the Golgi Apparatus of Neural and Germ Cells. Journal of Biological Chemistry, 1998, 273, 3909-3914.	1.6	23
315	Construction and in vitro evaluation of RFT5(scFv)-ETA', a new recombinant single-chain immunotoxin with specific cytotoxicity toward CD25+ Hodgkin-derived cell lines International Journal of Molecular Medicine, 1998, 1, 249-56.	1.8	24
316	Metalâ€Chelate Affinity Chromatography. Current Protocols in Neuroscience, 1998, 5, Unit 5.10.	2.6	0
317	Vectors for Expressing T7 Epitope- and His6 Affinity-Tagged Fusion Proteins in S. cerevisiae. BioTechniques, 1998, 24, 782-788.	0.8	14
318	Fluorescence-Based Protein Footprinting Using Histidine-Tagged Protein. BioTechniques, 1998, 24, 110-115.	0.8	1
319	Rapid Purification of DNA Topoisomerase II Containing a Hexahistidine Tag by Metal Ion Affinity Chromatography., 1999, 94, 235-242.		2
320	Enhancement of Heparin Cofactor II Anticoagulant Activity. Journal of Biological Chemistry, 1999, 274, 34556-34565.	1.6	28
321	A detailed study of the substrate specificity of a chimeric restriction enzyme. Nucleic Acids Research, 1999, 27, 674-681.	6.5	108
322	Polyadenylation Promotes Degradation of 3′-Structured RNA by theEscherichia coli mRNA Degradosome in Vitro. Journal of Biological Chemistry, 1999, 274, 4009-4016.	1.6	97
323	A novel bacterial tyrosine kinase essential for cell division and differentiation. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13068-13073.	3.3	125
324	Immobilization of histidine-tagged proteins on gold surfaces using chelator thioalkanes. Biosensors and Bioelectronics, 1999, 14, 155-161.	5.3	109
325	Evaluation of recombinant sporozoite antigen SPAG-1 as a vaccine candidate against Theileria annulata by the use of different delivery systems. Tropical Medicine and International Health, 1999, 4, A71-A77.	1.0	20
326	Psoriasis Upregulated Phorbolin-1 Shares Structural but not Functional Similarity to the mRNA-Editing Protein Apobec-1. Journal of Investigative Dermatology, 1999, 113, 162-169.	0.3	51
327	Purification and characterization of hemolysin fromPorphyromonas gingivalisA7436. FEMS Microbiology Letters, 1999, 176, 387-394.	0.7	18
328	Histidines in affinity tags and surface clusters for immobilized metal-ion affinity chromatography of trimeric tumor necrosis factor $\hat{l}_{\pm}$ . Journal of Chromatography A, 1999, 852, 117-128.	1.8	39

#	Article	IF	Citations
329	Natural poly-histidine affinity tag for purification of recombinant proteins on cobalt(II)-carboxymethylaspartate crosslinked agarose. Journal of Chromatography A, 1999, 864, 247-256.	1.8	72
330	Distribution of two isoforms of NADP-dependent isocitrate dehydrogenase in soybean (Glycine max). Plant Molecular Biology, 1999, 40, 13-21.	2.0	2
331	Cloning and expression of new receptors belonging to the immunoglobulin superfamily from the marine sponge Geodia cydonium. Immunogenetics, 1999, 49, 751-763.	1.2	52
332	A homologue of Sar1p localises to a novel trafficking pathway in malaria-infected erythrocytes. European Journal of Cell Biology, 1999, 78, 453-462.	1.6	78
333	Spontaneous α-N-6-Phosphogluconoylation of a "His Tag―inEscherichia coli:The Cause of Extra Mass of 258 or 178 Da in Fusion Proteins. Analytical Biochemistry, 1999, 267, 169-184.	1.1	190
334	Protein Microarrays for Gene Expression and Antibody Screening. Analytical Biochemistry, 1999, 270, 103-111.	1.1	445
335	Active concentration measurements of recombinant biomolecules using biosensor technology. Journal of Molecular Recognition, 1999, 12, 300-309.	1.1	35
336	Bioaffinity Based Immobilization of Enzymes. Advances in Biochemical Engineering/Biotechnology, 1999, 64, 203-226.	0.6	48
337	Expression and Purification of Histidine-Tagged Transcription Factors., 2000, 130, 203-226.		1
338	Increased Expression of Integrin and Receptor Tyrosine Kinase Genes During Autograft Fusion in the Sponge <i>Geodia cydonium</i> Cell Adhesion and Communication, 1999, 7, 111-124.	1.7	33
340	Complement component $C8\hat{l}^3$ is expressed in human fetal and adult kidney independent of $C8\hat{l}\pm$ . FEBS Letters, 1999, 446, 243-246.	1.3	7
341	Oriented, Active Escherichia coli RNA Polymerase: An Atomic Force Microscope Study. Biophysical Journal, 1999, 76, 1024-1033.	0.2	69
342	The Purified and Functionally Reconstituted Multidrug Transporter LmrA ofLactococcus lactisMediates the Transbilayer Movement of Specific Fluorescent Phospholipidsâ€. Biochemistry, 1999, 38, 16298-16306.	1.2	136
343	Bifunctional Phosphoramidite Reagents for the Introduction of Histidyl and Dihistidyl Residues into Oligonucleotides. Bioconjugate Chemistry, 1999, 10, 647-652.	1.8	7
344	Structure of the protein tyrosine kinase domain of C-terminal Src kinase (CSK) in complex with staurosporine 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 1999, 285, 713-725.	2.0	149
345	Ni–NTA–Gold Clusters Target His-Tagged Proteins. Journal of Structural Biology, 1999, 127, 185-198.	1.3	181
346	Elasticity of Mutant Myosin Subfragment-1 Arranged on a Functional Silver Surface. Biochemical and Biophysical Research Communications, 1999, 261, 276-282.	1.0	12
347	A Mutant Streptokinase Lacking the C-Terminal 42 Amino Acids Is Less Reactive with Preexisting Antibodies in Patient Sera. Biochemical and Biophysical Research Communications, 1999, 266, 230-236.	1.0	6

#	Article	IF	CITATIONS
348	Expression and Purification of Recombinant Mouse Fibrillarin. Protein Expression and Purification, 1999, 17, 49-56.	0.6	16
349	Purification and Characterization of Turnip Mosaic Virus Helper Component Protein. Phytopathology, 1999, 89, 564-567.	1.1	25
350	The PERIANTHIA gene encodes a bZIP protein involved in the determination of floral organ number in Arabidopsis thaliana. Genes and Development, 1999, 13, 334-344.	2.7	188
351	Responsive Hybrid Hydrogels with Volume Transitions Modulated by a Titin Immunoglobulin Module. Bioconjugate Chemistry, 2000, 11, 734-740.	1.8	44
352	High Throughput Protein Expression, Purification and Characterisation Technologies. Biochemical Society Transactions, 2000, 28, A263-A263.	1.6	0
355	How Strong Is the Coordination Bond between a Histidine Tag and Ni - Nitrilotriacetate? An Experiment of Mechanochemistry on Single Molecules. Angewandte Chemie - International Edition, 2000, 39, 215-218.	7.2	105
356	Denticity Changes of Hydrotris(pyrazolyl)borate Ligands in RhI and RhIII Compounds: Fromκ3- to Ionic "κ0―Tp′. Angewandte Chemie - International Edition, 2000, 39, 218-221.	7.2	40
357	Suitability of immobilized metal affinity chromatography for protein purification from canola., 2000, 68, 52-58.		33
358	Adsorption and selectivity characteristics of several human serum proteins with immobilised hard Lewis metal ion–chelate adsorbents. Journal of Chromatography A, 2000, 890, 95-116.	1.8	67
359	Reciprocal cross-protection induced by sporozoite antigens SPAG-1 from Theileria annulata and p67 from Theileria parva. Parasite Immunology, 2000, 22, 223-230.	0.7	22
360	Design and synthesis of multifunctional phospholipids. Tetrahedron Letters, 2000, 41, 4131-4134.	0.7	8
361	Detection and sequencing of phosphopeptides. Journal of the American Society for Mass Spectrometry, 2000, 11, 273-282.	1.2	160
362	Purification of recombinant hydantoinase and l-N-carbamoylase from Arthrobacter aurescens expressed in Escherichia coli: comparison of wild-type and genetically modified proteins. Biomedical Applications, 2000, 737, 179-186.	1.7	26
363	Identification of $\hat{I}^2$ -secretase-like activity using a mass spectrometry-based assay system. Nature Biotechnology, 2000, 18, 66-70.	9.4	40
364	Characterization of a Histidine Rich Cluster of Amino Acids in the Cytoplasmic Domain of the Na+/H+ Exchanger. Bioscience Reports, 2000, 20, 185-197.	1.1	9
365	Molecular breeding of yeast with higher metal-adsorption capacity by expression of histidine-repeat insertion in the protein anchored to the cell wall Journal of General and Applied Microbiology, 2000, 46, 113-117.	0.4	15
366	AFFINITY SEPARATION   Immobilized Metal Ion Chromatography. , 2000, , 277-283.		1
368	Bicarbonate Binding Activity of the CmpA Protein of the Cyanobacterium Synechococcus sp. strain PCC 7942 Involved in Active Transport of Bicarbonate. Journal of Biological Chemistry, 2000, 275, 20551-20555.	1.6	61

#	Article	IF	CITATIONS
369	Identification of the Minimal Functional Unit in the Low Density Lipoprotein Receptor-related Protein for Binding the Receptor-associated Protein (RAP). Journal of Biological Chemistry, 2000, 275, 21017-21024.	1.6	63
370	Stimulation of protein (collagen) synthesis in sponge cells by a cardiac myotrophinâ€related molecule from Suberites domuncula. FASEB Journal, 2000, 14, 2022-2031.	0.2	81
371	Feline Immunodeficiency Virus Vif Localizes to the Nucleus. Journal of Virology, 2000, 74, 2533-2540.	1.5	30
372	Compatible-Solute-Supported Periplasmic Expression of Functional Recombinant Proteins under Stress Conditions. Applied and Environmental Microbiology, 2000, 66, 1572-1579.	1.4	169
373	Components of the RP4 Conjugative Transfer Apparatus Form an Envelope Structure Bridging Inner and Outer Membranes of Donor Cells: Implications for Related Macromolecule Transport Systems. Journal of Bacteriology, 2000, 182, 1564-1574.	1.0	95
374	One-Step Purification of Rabbit Histidine Rich Glycoprotein by Dye-Ligand Affinity Chromatography with Metal Ion Requirement. Archives of Biochemistry and Biophysics, 2000, 383, 191-196.	1.4	7
375	Enhanced cleavage of RNA mediated by an interaction between substrates and the arginine-rich domain of E. coli ribonuclease E 1 1Edited by I. B. Holland. Journal of Molecular Biology, 2000, 301, 257-264.	2.0	52
376	Purification of His-Tagged Proteins by Immobilized Chelate Affinity Chromatography: The Benefits from the Use of Organic Solvent. Protein Expression and Purification, 2000, 18, 95-99.	0.6	217
377	Purification of Histidine-Tagged Mitochondrial ADP/ATP Carrier: Influence of the Conformational States of the C-Terminal Region. Protein Expression and Purification, 2000, 19, 57-65.	0.6	21
378	Functional Expression of Dipeptidyl Peptidase I (Cathepsin C) of the Oriental Blood Fluke Schistosoma japonicum in Trichoplusia ni Insect Cells. Protein Expression and Purification, 2000, 19, 384-392.	0.6	21
379	Use of Modified BL21(DE3) Escherichia coli Cells for High-Level Expression of Recombinant Peanut Allergens Affected by Poor Codon Usage. Protein Expression and Purification, 2000, 19, 419-424.	0.6	110
380	The high molecular weight fibroblast growth factor-2 isoforms (21,000mol. wt and 23,000mol. wt) mediate neurotrophic activity on rat embryonic mesencephalic dopaminergic neurons in vitro. Neuroscience, 2000, 100, 73-86.	1.1	40
381	Immobilized Metal Ion Affinity Chromatography. Journal of Chromatography Library, 2000, 61, 301-383.	0.1	29
382	Outstanding stability of immobilized recombinant $\hat{l}_{\pm}(1\hat{a}^{\dagger},3/4)$ -fucosyltransferases exploited in the synthesis of Lewis a and Lewis x trisaccharides. Chemical Communications, 2000, , 2017-2018.	2.2	18
383	Suppressor Mutations in Escherichia coli Methionyl-tRNA Formyl transferase That Compensate for the Formylation Defect of a Mutant tRNA Aminoacylated with Lysineâ€. Biochemistry, 2000, 39, 8039-8046.	1.2	5
384	Characterization of Cobalt(II)-Substituted Peptide Deformylase:  Function of the Metal Ion and the Catalytic Residue Glu-133. Biochemistry, 2000, 39, 779-790.	1.2	111
385	Secondary Structure and Oligomerization of the E. coli Glycerol Facilitator. Biochemistry, 2000, 39, 12303-12311.	1.2	29
386	Substrate Recognition through a PDZ Domain in Tail-Specific Proteaseâ€. Biochemistry, 2000, 39, 3149-3155.	1.2	85

#	Article	IF	CITATIONS
387	Direct heterogeneous electron transfer of recombinant horseradish peroxidases on gold. Faraday Discussions, 2000, 116, 281-289.	1.6	63
388	[16] Purification of proteins using polyhistidine affinity tags. Methods in Enzymology, 2000, 326, 245-254.	0.4	383
390	Copurification of the Lac Repressor with Polyhistidine-Tagged Proteins in Immobilized Metal Affinity Chromatography. Protein Expression and Purification, 2001, 21, 352-360.	0.6	7
391	One-Step Purification of a Fully Active Hexahistidine-Tagged Human Hexokinase Type I Overexpressed in Escherichia coli. Protein Expression and Purification, 2001, 22, 38-44.	0.6	4
392	Multiple Display of Peptides and Proteins on a Macromolecular Scaffold Derived from a Multienzyme Complex. Journal of Molecular Biology, 2001, 305, 259-267.	2.0	70
393	Two-dimensional crystallization of a membrane protein on a detergent-resistant lipid monolayer 1 1Edited by R. Huber. Journal of Molecular Biology, 2001, 308, 639-647.	2.0	68
394	Twenty-five years of immobilized metal ion affinity chromatography: past, present and future. Journal of Proteomics, 2001, 49, 313-334.	2.4	315
395	Perspectives of immobilized-metal affinity chromatography. Journal of Proteomics, 2001, 49, 335-360.	2.4	487
396	A novel approach for purification of recombinant proteins using the dextran-binding domain. FEBS Letters, 2001, 500, 141-144.	1.3	8
397	Sodium-substrate cotransport in bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1505, 121-130.	0.5	49
398	Sensitive Ribonuclease Protection Assay Employing Glycogen as a Carrier and a Single Inactivation/Precipitation Step. BioTechniques, 2001, 30, 1198-1204.	0.8	19
399	MBP Fusion Protein with a Viral Protease Cleavage Site: One-Step Cleavage/Purification of Insoluble Proteins. BioTechniques, 2001, 30, 1194-1198.	0.8	72
400	Molecular Evolution of the Metazoan Extracellular Matrix: Cloning and Expression of Structural Proteins from the Demosponges Suberites domuncula and Geodia cydonium. Journal of Molecular Evolution, 2001, 53, 402-415.	0.8	43
401	Hormonal regulation of multiple promoters of the rat mitochondrial glycerol-3-phosphate dehydrogenase gene. FEBS Journal, 2001, 268, 4095-4103.	0.2	39
402	Immobilized amyloid precursor protein constructs: a tool for thein vitroscreening of glial cell reactivity. European Journal of Neuroscience, 2001, 14, 946-956.	1.2	15
403	Functional polymer affinity matrix for purifying hexahistidine-tagged recombinant protein. Journal of Chromatography A, 2001, 921, 197-205.	1.8	7
404	Chromatographic separation of proteins on metal immobilized iminodiacetic acid-bound molded monolithic rods of macroporous poly(glycidyl methacrylate–co-ethylene dimethacrylate). Journal of Chromatography A, 2001, 926, 255-264.	1.8	122
405	The analysis of cThy28 expression in avian lymphocytes. Apoptosis: an International Journal on Programmed Cell Death, 2001, 6, 299-314.	2.2	12

#	Article	IF	CITATIONS
406	Sponge Bcl-2 homologous protein (BHP2-GC) confers distinct stress resistance to human HEK-293 cells. Cell Death and Differentiation, 2001, 8, 887-898.	5.0	53
407	High-yield expression of the recombinant, atrazine-specific Fab fragment K411B by the methylotrophic yeast Pichia pastoris. Journal of Immunological Methods, 2001, 255, 103-114.	0.6	43
408	Escherichia coli Poly(A)-binding Proteins That Interact with Components of Degradosomes or Impede RNA Decay Mediated by Polynucleotide Phosphorylase and RNase E. Journal of Biological Chemistry, 2001, 276, 31651-31656.	1.6	87
409	Molecular and Immunological Characterization of Arginine Kinase from the Indianmeal Moth, <i>Plodia interpunctella</i> , a Novel Cross-Reactive Invertebrate Pan-Allergen. Journal of Immunology, 2001, 167, 5470-5477.	0.4	176
410	Cloning of an Intracellular Poly [d ( $\hat{a}^{-}$ )-3-Hydroxybutyrate] Depolymerase Gene from Ralstonia eutropha H16 and Characterization of the Gene Product. Journal of Bacteriology, 2001, 183, 94-100.	1.0	138
411	IMMOBILIZATION OF ENZYMES ON SCREEN-PRINTED SENSORS VIA AN HISTIDINE TAIL. APPLICATION TO THE DETECTION OF PESTICIDES USING MODIFIED CHOLINESTERASE. Analytical Letters, 2001, 34, 529-540.	1.0	58
412	Distinctive Effects of Rat Fibroblast Growth Factor-2 Isoforms on PC12 and Schwann Cells. Growth Factors, 2001, 19, 175-191.	0.5	27
413	Recombinant Expression of Proteoglycans in Mammalian Cells: Utility and Advantages of the Vaccinia Virus/T7 Bacteriophage Hybrid Expression System. , 2001, 171, 201-219.		8
414	Fusion Proteins from Artificial and Natural Structural Modules. Current Protein and Peptide Science, 2001, 2, 107-121.	0.7	11
415	Production and Purification of Histidine-Tagged Dihydrotestosterone-Bound Full-Length Human Androgen Receptor., 2001, 176, 67-79.		5
416	Specific Orientation and Two-dimensional Crystallization of the Proteasome at Metal-chelating Lipid Interfaces. Journal of Biological Chemistry, 2002, 277, 36321-36328.	1.6	46
418	Purification, Reconstitution, and Characterization of Na+/Serine Symporter, SstT, of Escherichia coli. Journal of Biochemistry, 2002, 132, 71-76.	0.9	31
419	Using Secretion to Solve a Solubility Problem: High-Yield Expression in Escherichia coli and Purification of the Bacterial Glycoamidase PNGase F. Protein Expression and Purification, 2002, 24, 90-98.	0.6	45
420	Crystal Structure of the Anti-His Tag Antibody 3D5 Single-chain Fragment Complexed to its Antigen. Journal of Molecular Biology, 2002, 318, 135-147.	2.0	46
421	THE OVEREXPRESSED HEXAHISTIDINE-TAGGED HUMAN HEXOKINASE TYPE III IS INHIBITED BY D-GLUCOSE. Preparative Biochemistry and Biotechnology, 2002, 32, 393-403.	1.0	2
422	Attaching histidine-tagged peptides and proteins to lipid-based carriers through use of metal-ion-chelating lipids. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1567, 204-212.	1.4	57
423	Characterization of NVf32: a narbonin-like nodulin of high abundance in Vicia faba L. Plant Science, 2002, 162, 401-411.	1.7	2
424	6×His Promotes Binding of a Recombinant Protein to Heparan Sulfate. BioTechniques, 2002, 32, 254-258.	0.8	9

#	Article	IF	Citations
425	Cloning of an intracellular $d(\hat{a}^2)$ -3-hydroxybutyrate-oligomer hydrolase gene from Ralstonia eutropha H16 and identification of the active site serine residue by site-directed mutagenesis. Journal of Bioscience and Bioengineering, 2002, 94, 106-112.	1.1	37
426	One-Step Unidirectional Cloning of Tandem Repeats of DNA Fragments: An Application for Fusion Protein Production. Analytical Biochemistry, 2002, 303, 104-107.	1.1	8
427	Development and characterization of Ni-NTA-bearing microspheres. Cytometry, 2002, 48, 136-145.	1.8	62
428	The sensor kinase CitA (DpiB) of Escherichia coli functions as a high-affinity citrate receptor. Archives of Microbiology, 2002, 177, 313-321.	1.0	44
429	Advances in gentle immunoaffinity chromatography. Current Opinion in Biotechnology, 2002, 13, 304-308.	3.3	90
430	Strategies for the purification and on-column cleavage of glutathione-S-transferase fusion target proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 769, 133-144.	1.2	32
431	Factors governing the solubilization of phosphopeptides retained on ferric NTA IMAC beads and their analysis by MALDI TOFMS. Journal of the American Society for Mass Spectrometry, 2002, 13, 1042-1051.	1.2	64
432	Differential expression of hydrophobins DGH1, DGH2 and DGH3 and immunolocalization of DGH1 in strata of the lichenized basidiocarp of Dictyonema glabratum. New Phytologist, 2002, 154, 185-195.	3.5	47
433	Immobilized Metal Affinity Chromatography without Chelating Ligands: Purification of Soybean Trypsin Inhibitor on Zinc Alginate Beads. Biotechnology Progress, 2002, 18, 78-81.	1.3	54
434	On-column tris(2-carboxyethyl)phosphine reduction and IC5-maleimide labeling during purification of a RpoC fragment on a nickel–nitrilotriacetic acid Column. Analytical Biochemistry, 2002, 307, 368-374.	1.1	13
435	Dual-Expression Vectors for Efficient Protein Expression in Both E. coli and Mammalian Cells. , 2003, 205, 19-30.		3
436	Specific binding of integrin alphallbbeta3 to RGD peptide immobilized on a nitrilotriacetic acid chip: a surface plasmon resonance study. Biochemistry (Moscow), 2002, 67, 933-939.	0.7	2
437	Title is missing!. Cellulose, 2003, 10, 53-63.	2.4	14
438	Metal chelate affinity precipitation of RNA and purification of plasmid DNA. Biotechnology Letters, 2003, 25, 1111-1116.	1.1	26
439	A Natural Fluorescent Protein That Changes Its Fluorescence Color during Maturation. Russian Journal of Bioorganic Chemistry, 2003, 29, 325-329.	0.3	1
440	Title is missing!. Molecular Breeding, 2003, 11, 49-58.	1.0	122
441	Production, IMAC Purification, and Molecular Modeling of N-Carbamoyl-D-amino Acid Amidohydrolase C-Terminally Fused with a Six-His Peptide. Biotechnology Progress, 2003, 19, 864-873.	1.3	12
442	Overview of tag protein fusions: from molecular and biochemical fundamentals to commercial systems. Applied Microbiology and Biotechnology, 2003, 60, 523-533.	1.7	1,153

#	Article	IF	Citations
443	Contact Printing of Metal Ions onto Carboxylate-Terminated Self-Assembled Monolayers. Advanced Materials, 2003, 15, 1819-1823.	11.1	21
444	Protein and antibody microarray technology. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 797, 229-240.	1.2	136
445	Recombinant (2â†'3)-α-sialyltransferase immobilized on nickel-Agarose for preparative synthesis of sialyl Lewisx and Lewisa precursor oligosaccharides. Carbohydrate Research, 2003, 338, 1153-1161.	1.1	20
446	Nickel and copper complexes of a chelating methacrylate sorbent in the purification of chitinases and specific immunoglobulin G1 by immobilized metal ion affinity chromatography. Journal of Chromatography A, 2003, 983, 125-132.	1.8	17
447	Current and prospective applications of metal ion–protein binding. Journal of Chromatography A, 2003, 988, 1-23.	1.8	416
448	Optimization of immobilized metal ion affinity chromatography for single-step purification of recombinant ovine growth hormone expressed in Escherichia coli. Journal of Chromatography A, 2003, 998, 93-101.	1.8	7
449	Structural genomics of Mycobacterium tuberculosis: a preliminary report of progress at UCLA. Biophysical Chemistry, 2003, 105, 361-370.	1.5	34
450	An automated method for high-throughput protein purification applied to a comparison of His-tag and GST-tag affinity chromatography. BMC Biotechnology, 2003, 3, 12.	1.7	97
451	Immunoglobulin E-binding and skin test reactivity to hydrophobin HCh-1 from Cladosporium herbarum , the first allergenic cell wall component of fungi. Clinical and Experimental Allergy, 2003, 33, 72-77.	1.4	24
452	High affinity capture surface for matrix-assisted laser desorption/ionisation compatible protein microarrays. Rapid Communications in Mass Spectrometry, 2003, 17, 455-462.	0.7	26
453	Silicon Biomineralization. Progress in Molecular and Subcellular Biology, 2003, , .	0.9	54
454	Ligand-Receptor-G-Protein Molecular Assemblies on Beads for Mechanistic Studies and Screening by Flow Cytometry. Molecular Pharmacology, 2003, 64, 1227-1238.	1.0	35
455	Cloning, expression, purification and properties of a putative multidrug resistance efflux protein from Helicobacter pylori. International Journal of Antimicrobial Agents, 2003, 22, 242-249.	1.1	13
456	Collection and characterisation of bacterial membrane proteins. FEBS Letters, 2003, 555, 170-175.	1.3	33
457	High affinity binding of serum histidine-rich glycoprotein to nickel-nitrilotriacetic acid: The application to microquantification. Life Sciences, 2003, 73, 93-102.	2.0	27
458	Expression of caltrin in the baculovirus system and its purification in high yield and purity by cobalt (II) affinity chromatography. Protein Expression and Purification, 2003, 29, 284-290.	0.6	6
459	Immobilized Metal-Ion Affinity Chromatography. , 2004, 244, 179-190.		10
460	Functionalizing Surfaces with Nickel Ions for the Grafting of Proteins. Langmuir, 2003, 19, 4138-4143.	1.6	36

#	Article	IF	CITATIONS
462	Suppression of gene expression by a cell-permeable Tet repressor. Nucleic Acids Research, 2003, 31, 152e-152.	6.5	9
463	A Nonredundant Human Protein Chip for Antibody Screening and Serum Profiling. Molecular and Cellular Proteomics, 2003, 2, 1342-1349.	2.5	106
464	Probing the substrate specificity of Escherichia coli RNase E using a novel oligonucleotide-based assay. Nucleic Acids Research, 2003, 31, 4710-4716.	6.5	60
465	Molecular Mechanism of Spicule Formation in the Demosponge Suberites domuncula: Silicatein-Collagen-Myotrophin. Progress in Molecular and Subcellular Biology, 2003, 33, 195-221.	0.9	67
466	Molecular Simulations to Determine the Chelating Mechanisms of Various Metal Ions to the His-tag Motif: A Preliminary Study. Journal of Biomolecular Structure and Dynamics, 2003, 21, 31-41.	2.0	17
467	Imaging whole Escherichia coli bacteria by using single-particle x-ray diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 110-112.	3.3	280
468	Development of Highly Sensitive Sensor Based on Bioengineered Acetylcholinesterase Immobilized by Affinity Method. Analytical Letters, 2003, 36, 1865-1885.	1.0	22
469	Preparation of Glycerol Facilitator for Protein Structure and Folding Studies in Solution. , 2003, 228, 89-102.		2
470	Immobilized Metal Ion Affinity Chromatography of Proteins. , 2004, 251, 89-102.		8
471	Prospects for High-Throughput Structure Determination by X-Ray Crystallography. , 2003, , 55-94.		O
473	Linker peptide and affinity tag for detection and purification of single-chain Fv fragments. BioTechniques, 2004, 36, 864-870.	0.8	5
474	Poly(hydroxyethylmethacrylateâ€Nâ€methacryloylâ€(L)â€histidineâ€methylâ€ester) Based Metalâ€Chelate Affini Adsorbent for Separation of Lysozyme. Separation Science and Technology, 2004, 39, 3783-3795.	ty <sub>1.3</sub>	20
475	Metal Ligand Affinity Pipettes and Bioreactive Alkaline Phosphatase Probes. Molecular and Cellular Proteomics, 2004, 3, 266-272.	2.5	6
476	Human IgE response to the Schistosoma haematobium 22.6 kDa antigen. Parasite Immunology, 2004, 26, 371-376.	0.7	54
477	Reversible site-selective labeling of membrane proteins in live cells. Nature Biotechnology, 2004, 22, 440-444.	9.4	284
478	A metal-chelating piezoelectric sensor chip for direct detection and oriented immobilization of polyHis-tagged proteins. Biotechnology Progress, 2004, 20, 1237-1244.	1.3	12
479	Isolation and Characterization of Fragments of the ATP-Dependent Protease Lon from Escherichia coli Obtained by Limited Proteolysis. Russian Journal of Bioorganic Chemistry, 2004, 30, 306-314.	0.3	3
480	Cross-linking approach to affinity capture of protein complexes from chaotrope-solubilized cell lysates. Analytical Biochemistry, 2004, 324, 137-142.	1.1	18

#	Article	IF	CITATIONS
481	Production of autoproteolytically subunit-assembled 7-?-(4-carboxybutanamido)cephalosporanic acid (GL-7ACA) acylase from Pseudomonas sp. C427 using a chitin-binding domain. Applied Microbiology and Biotechnology, 2004, 65, 407-413.	1.7	4
482	Integrated enzyme purification and immobilization processes with immobilized metal affinity adsorbents. Process Biochemistry, 2004, 39, 1573-1581.	1.8	56
483	TheyjoBgene ofBacillus subtilisencodes a protein that is a novel member of the AAA family. FEMS Microbiology Letters, 2004, 230, 241-249.	0.7	6
484	Immobilization of oriented protein molecules on poly(ethylene glycol)-coated Si(111). Proteomics, 2004, 4, 1965-1976.	1.3	51
485	Hippocampal protein-protein interactions in spatial memory. Hippocampus, 2004, 14, 46-57.	0.9	48
486	Chemical extraction and direct adsorptive purification of recombinant human antigen Ro52. Journal of Separation Science, 2004, 27, 589-594.	1.3	3
487	Designing selective sites in templated polymers utilizing coordinative bonds. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 804, 183-195.	1.2	34
488	Inexpensive one-step purification of polypeptides expressed in Escherichia coli as fusions with the family 9 carbohydrate-binding module of xylanase 10A from T. maritima. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 807, 87-94.	1.2	32
489	Selective and mild adsorption of large proteins on lowly activated immobilized metal ion affinity chromatography matrices. Journal of Chromatography A, 2004, 1055, 93-98.	1.8	24
490	Tight attachment of chitin-binding-domain-tagged proteins to surfaces coated with acetylated chitosan. Analytical Biochemistry, 2004, 327, 278-283.	1.1	17
491	Facile synthesis of metal-chelating peptides on chip for protein array. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1987-1990.	1.0	11
492	Chapter 3 Affinity chromatography. Journal of Chromatography Library, 2004, 69, 139-169.	0.1	2
493	Arginine Carrier Peptide Bearing Ni(II) Chelator to Promote Cellular Uptake of Histidine-Tagged Proteins. Bioconjugate Chemistry, 2004, 15, 475-481.	1.8	52
494	Targeted Protein Functionalization Using His-Tags. Bioconjugate Chemistry, 2004, 15, 969-982.	1.8	55
495	The Protein-Tethered Lipid Bilayer: A Novel Mimic of the Biological Membrane. Biophysical Journal, 2004, 87, 3213-3220.	0.2	226
496	Paramagnetic NMR study of Cu2+ -IDA complex localization on a protein surface and its application to elucidate long distance information. FEBS Letters, 2004, 566, 157-161.	1.3	18
497	Ni-chelate-affinity purification and crystallization of the yeast mitochondrial F1-ATPase. Protein Expression and Purification, 2004, 37, 479-485.	0.6	24
498	Single protein molecular dynamics determined with ultra-high precision. Biochemical Society Transactions, 2004, 32, 761-763.	1.6	6

#	Article	IF	CITATIONS
499	An electron microscopic study of the archaeal feast/famine regulatory protein 3. Labeling of the N-terminus using nickel. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2004, 80, 107-113.	1.6	10
501	Molecular Dynamics Simulations of Metal Ion Binding to the His-tag Motif. Journal of the Chinese Chemical Society, 2005, 52, 1281-1290.	0.8	9
502	A SELEX study of the DNA-binding specificity of archaeal FFRPs: FL10 (pot0377090, LrpA). Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2005, 81, 463-470.	1.6	4
503	High-throughput and multiplexed protein array technology: protein–DNA and protein–protein interactions. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 815, 77-95.	1.2	30
504	Rapid evaluation of nickel binding properties of His-tagged lactate dehydrogenases using surface plasmon resonance. Journal of Chromatography A, 2005, 1066, 219-224.	1.8	17
505	Application of carbon nanotubes for detecting anti-hemagglutinins based on antigen–antibody interaction. Biosensors and Bioelectronics, 2005, 21, 201-205.	5.3	34
506	Gravimetric antigen detection utilizing antibody-modified lipid bilayers. Analytical Biochemistry, 2005, 345, 72-80.	1.1	37
507	Self-assembled luminescent CdSe–ZnS quantum dot bioconjugates prepared using engineered poly-histidine terminated proteins. Analytica Chimica Acta, 2005, 534, 63-67.	2.6	96
508	Characterisation and evaluation of metal-loaded iminodiacetic acid–silica of different porosity for the selective enrichment of phosphopeptides. Journal of Chromatography A, 2005, 1079, 197-207.	1.8	42
509	Production of milligram quantities of affinity tagged-proteins using automated multistep chromatographic purification. Journal of Chromatography A, 2005, 1080, 83-92.	1.8	40
510	Direct Insertion of Proteins into a Living Cell Using an Atomic Force Microscope with a Nanoneedle. Nanobiotechnology, 2005, $1,347-352$ .	1.2	17
511	Progress in protein and antibody microarray technology. Drug Discovery Today, 2005, 10, 503-511.	3.2	279
512	Mineralization of SaOS-2 cells on enzymatically (silicatein) modified bioactive osteoblast-stimulating surfaces. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 75B, 387-392.	1.6	86
513	Protein-Detecting Microarrays: Current Accomplishments and Requirements. ChemBioChem, 2005, 6, 782-799.	1.3	166
514	Nanostructured Ordering of Fluorescent Markers and Single Proteins on Substrates. ChemBioChem, 2005, 6, 1782-1787.	1.3	29
515	Protein Engineering Strategies for Selective Protein Purification. Chemical Engineering and Technology, 2005, 28, 1315-1325.	0.9	40
516	Potential for Using Histidine Tags in Purification of Proteins at Large Scale. Chemical Engineering and Technology, 2005, 28, 1306-1314.	0.9	109
517	Specific molecular interactions by force spectroscopy: From single bonds to collective properties. Biophysical Chemistry, 2005, 117, 233-237.	1.5	11

#	Article	IF	CITATIONS
518	Spectral diversity among members of the green fluorescent protein family in hydroid jellyfish (Cnidaria, Hydrozoa). Russian Journal of Bioorganic Chemistry, 2005, 31, 43-47.	0.3	6
520	Preparation, Characterization, and Use of Tagged Ubiquitins. Methods in Enzymology, 2005, 399, 51-64.	0.4	9
521	Analyzing the Degradation of PERIOD Protein by the Ubiquitin–Proteasome Pathway in Cultured Drosophila Cells. Methods in Enzymology, 2005, 393, 394-408.	0.4	7
522	Influence of Amino Acid Substitutions in the Leader Peptide on Maturation and Secretion of Mesentericin Y105 by Leuconostoc mesenteroides. Journal of Bacteriology, 2005, 187, 2218-2223.	1.0	20
523	Mutational Analysis of Target Enzyme Recognition of the β-Trefoil Fold Barley α-Amylase/Subtilisin Inhibitor. Journal of Biological Chemistry, 2005, 280, 14855-14864.	1.6	22
525	Genetically encoded short peptide tag for versatile protein labeling by Sfp phosphopantetheinyl transferase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15815-15820.	3.3	362
526	From gene to protein: a review of new and enabling technologies for multi-parallel protein expression. Protein Expression and Purification, 2005, 40, 1-22.	0.6	169
527	Purification of recombinant proteins from mammalian cell culture using a generic double-affinity chromatography scheme. Protein Expression and Purification, 2005, 40, 77-85.	0.6	46
528	Comparison of affinity tags for protein purification. Protein Expression and Purification, 2005, 41, 98-105.	0.6	356
529	Optimisation and evaluation of a high-throughput mammalian protein expression system. Protein Expression and Purification, 2005, 42, 111-121.	0.6	28
530	Mouse protein arrays from a TH1 cell cDNA library for antibody screening and serum profiling. Genomics, 2005, 85, 285-296.	1.3	31
531	Structural genomics of human proteinstarget selection and generation of a public catalogue of expression clones. Microbial Cell Factories, 2005, 4, 21.	1.9	50
532	Nanoparticle Molecular Labels. , 2005, , 353-386.		8
533	SlyD Proteins from Different Species Exhibit High Prolyl Isomerase and Chaperone Activitiesâ€. Biochemistry, 2006, 45, 20-33.	1.2	97
534	Proteome Profiling. , 2005, , 1553-1553.		0
535	PRP., 2005,, 1576-1576.		0
537	Immobilization of Enzymes and Cells. Methods in Biotechnology, 2006, , .	0.2	167
538	Metal Affinity Capture Tandem Mass Spectrometry for the Selective Detection of Phosphopeptides. Analytical Chemistry, 2006, 78, 6065-6073.	3.2	24

#	Article	IF	CITATIONS
539	Synthesis of an Artificial Cell Surface Receptor that Enables Oligohistidine Affinity Tags to Function as Metal-Dependent Cell-Penetrating Peptides. Journal of the American Chemical Society, 2006, 128, 386-387.	6.6	32
540	Structural analysis and classification of native proteins from E. coli commonly co-purified by immobilised metal affinity chromatography. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1304-1313.	1.1	174
541	Single step protocol to purify recombinant proteins with low endotoxin contents. Protein Expression and Purification, 2006, 46, 483-488.	0.6	146
542	Lectin-based affinity tag for one-step protein purification. BioTechniques, 2006, 41, 327-332.	0.8	20
543	A SELEX study of the DNA-binding specificity of archaeal FFRPs:2. FL4 (pot1613368). Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2006, 82, 33-44.	1.6	3
544	Protein–protein interaction analysis by C-terminally specific fluorescence labeling and fluorescence cross-correlation spectroscopy. Nucleic Acids Research, 2006, 34, e102-e102.	6.5	37
545	Micro-scale open-tube capillary separations of functional proteins. Analytical Biochemistry, 2006, 350, 128-137.	1.1	6
546	Variability in the immunodetection of His-tagged recombinant proteins. Analytical Biochemistry, 2006, 359, 216-223.	1.1	32
547	Neutral additives enhance the metal-chelate affinity adsorption of nucleic acids: Role of water activity. Journal of Chromatography A, 2006, 1115, 88-92.	1.8	6
548	QM/MM and classical molecular dynamics simulation of histidine-tagged peptide immobilization on nickel surface. Materials Science & Description on Microstructure and Processing, 2006, 423, 84-91.	2.6	19
549	Protein Inclusion Bodies in Recombinant Bacteria., 2006,, 237-292.		10
550	Enhanced Protein Delivery from Photopolymerized Hydrogels Using a Pseudospecific Metal Chelating Ligand. Pharmaceutical Research, 2006, 23, 614-622.	1.7	47
551	Bacterial expression strategies for human angiogenesis proteins. Journal of Structural and Functional Genomics, 2006, 7, 23-30.	1.2	3
552	Biocatalytic production of enantiopure cyclohexane-trans-1,2-diol using extracellular lipases from Bacillus subtilis. Applied Microbiology and Biotechnology, 2006, 72, 1107-1116.	1.7	21
553	Systems for the detection and analysis of protein–protein interactions. Applied Microbiology and Biotechnology, 2006, 71, 127-136.	1.7	28
554	Removing coordinated metal ions from proteins: a fast and mild method in aqueous solution. Analytical and Bioanalytical Chemistry, 2006, 385, 1409-1413.	1.9	4
555	Effect of number of poly(His) tags on the adsorption of engineered proteins on immobilized metal affinity chromatography adsorbents. Process Biochemistry, 2006, 41, 2058-2067.	1.8	30
556	Mixed self-assembled monolayers (SAMs) consisting of methoxy-tri(ethylene glycol)-terminated and alkyl-terminated dimethylchlorosilanes control the non-specific adsorption of proteins at oxidic surfaces. Journal of Colloid and Interface Science, 2006, 295, 427-435.	5.0	42

#	Article	IF	Citations
557	A novel approach using streptavidin magnetic bead-sorted in vivo biotinylated survivin for monoclonal antibody production. Journal of Immunological Methods, 2006, 317, 1-11.	0.6	20
558	A Generic Approach to Monofunctionalized Protein-Like Gold Nanoparticles Based on Immobilized Metal Ion Affinity Chromatography. ChemBioChem, 2006, 7, 592-594.	1.3	64
559	The C-terminal Ca2+-binding domain of SPARC confers anti-spreading activity to human urothelial cells. Journal of Cellular Physiology, 2006, 206, 211-220.	2.0	17
560	Dynamic Light-Scattering Analysis of the Electrostatic Interaction of Hexahistidine-Tagged Cytochrome P450 Enzyme with Semiconductor Quantum Dots. ChemPhysChem, 2006, 7, 1112-1118.	1.0	74
561	Water-elutability of nucleic acids from metal-chelate affinity adsorbents: enhancement by control of surface charge density. Journal of Molecular Recognition, 2006, 19, 348-353.	1.1	6
562	Nitrilotriacetic Acid Functionalized Graft Copolymers: A Polymeric Interface for Selective and Reversible Binding of Histidine-Tagged Proteins. Advanced Functional Materials, 2006, 16, 243-251.	7.8	116
563	Microbial Drug Efflux Proteins of the Major Facilitator Superfamily. Current Drug Targets, 2006, 7, 793-811.	1.0	87
564	Luminescent Biocompatible Quantum Dots: A Tool for Immunosorbent Assay Design. , 2007, 374, 207-228.		6
565	PKR (Double-Stranded RNA-Dependent Protein Kinase). , 2005, , 1415-1415.		0
566	Parkinson's Disease: Insights from Genetic Causes. , 2005, , 1359-1362.		0
567	Toll-Like Receptors Are Part of the Innate Immune Defense System of Sponges (Demospongiae: Porifera). Molecular Biology and Evolution, 2006, 24, 792-804.	3.5	140
569	Protein Tags. , 2005, , 1533-1537.		0
570	Generation of High Density Protein Microarrays by Cell-free in Situ Expression of Unpurified PCR Products. Molecular and Cellular Proteomics, 2006, 5, 1658-1666.	2.5	95
571	Proteases and Inhibitors., 2005, , 1469-1473.		0
574	Post-Translational Modification., 2005,, 1449-1449.		0
576	Retention of Histidine-Containing Peptides on a Nickel Affinity Column. Journal of Chromatographic Science, 2007, 45, 207-211.	0.7	3
577	Recombinant Deoxyribonucleic Acid and Protein Expression. , 2007, , 107-128.		0
580	Design, Synthesis, and Performance of NTA-modified Lipids as Templates for Histidine-tagged Protein Crystallization. Chemistry Letters, 2007, 36, 956-975.	0.7	14

#	Article	IF	CITATIONS
581	Fractionation techniques in process biotechnology. Journal of Chemical Technology and Biotechnology, 1989, 46, 85-103.	1.6	4
582	A novel peptide tag for detection and purification of recombinant expressed proteins. Protein Expression and Purification, 2007, 53, 404-410.	0.6	6
583	A correlation analysis of protein characteristics associated with genome-wide high throughput expression and solubility of Streptococcus pneumoniae proteins. Protein Expression and Purification, 2007, 55, 368-378.	0.6	13
584	A novel surface autolysin of Listeria monocytogenes serotype 4b, IspC, contains a 23-residue N-terminal signal peptide being processed in E. coli. Biochemical and Biophysical Research Communications, 2007, 354, 403-408.	1.0	8
585	SURFACE CHEMISTRY FOR PROTEIN MICROARRAYS. International Journal of Nanoscience, 2007, 06, 109-116.	0.4	5
586	Immobilized Metalâ€Ion Affinity Chromatography: Status and Trends. Separation and Purification Reviews, 2007, 36, 71-111.	2.8	121
587	In Situ Enrichment of Phosphopeptides on MALDI Plates Functionalized by Reactive Landing of Zirconium(IV)â^'n-Propoxide Ions. Analytical Chemistry, 2007, 79, 5449-5456.	3.2	60
588	Purple membranes as microscaled nanopatterned biosubstrates for reversible attachment of biocomponents. Soft Matter, 2007, 3, 707.	1.2	2
590	Dual-Mode Fluorophore-Doped Nickel Nitrilotriacetic Acid-Modified Silica Nanoparticles Combine Histidine-Tagged Protein Purification with Site-Specific Fluorophore Labeling. Journal of the American Chemical Society, 2007, 129, 13254-13264.	6.6	73
591	One-pot synthesis of amino-alcohols using a de-novo transketolase and $\hat{l}^2$ -alanine: Pyruvate transaminase pathway in Escherichia coli. Biotechnology and Bioengineering, 2007, 96, 559-569.	1.7	132
592	Strategy for selecting and characterizing linker peptides for CBM9-tagged fusion proteins expressed in Escherichia coli. Biotechnology and Bioengineering, 2007, 98, 599-610.	1.7	80
593	Selective adsorption of large proteins on highly activated IMAC supports in the presence of high imidazole concentrations: Purification, reversible immobilization and stabilization of thermophilic $\hat{l}_{\pm}$ -and $\hat{l}^2$ -galactosidases. Enzyme and Microbial Technology, 2007, 40, 242-248.	1.6	30
594	Nanoengineered analytical immobilized metal affinity chromatography stationary phase by atom transfer radical polymerization: Separation of synthetic prion peptides. Analytical Biochemistry, 2007, 366, 1-8.	1.1	24
595	Smart Immobilization of oligopeptides through electrochemical deposition onto surface. Analytica Chimica Acta, 2007, 604, 76-80.	2.6	12
596	Direct purification and immobilization of recombinant hyaluronan lyase from unclarified feedstock using immobilized metal affinity magnetite for oligo-hyaluronan preparation. Biochemical Engineering Journal, 2007, 37, 108-115.	1.8	6
597	Using support vector machine regression to model the retention of peptides in immobilized metal-affinity chromatography. Sensors and Actuators B: Chemical, 2007, 125, 149-157.	4.0	14
598	Future of antibody purification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 848, 48-63.	1.2	411
599	Two-step method to isolate target recombinant protein from co-purified bacterial contaminant SlyD after immobilised metal affinity chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 853, 314-319.	1.2	22

#	Article	IF	CITATIONS
600	Folding of the firefly luciferase polypeptide chain with the immobilized C terminus. Molecular Biology, 2007, 41, 86-92.	0.4	11
601	Site-specific Fluorescent Labeling of Poly-histidine Sequences Using a Metal-chelating Cysteine. Chemical Biology and Drug Design, 2007, 69, 31-40.	1.5	31
602	Production of Recombinant Proteins in Bacillus subtilis. Advances in Applied Microbiology, 2007, 62, 137-189.	1.3	127
603	Highly-Efficient Purification of Native Polyhistidine-Tagged Proteins by Multivalent NTA-Modified Magnetic Nanoparticles. Bioconjugate Chemistry, 2007, 18, 333-341.	1.8	64
604	NTA-mediated protein capturing strategy in screening experiments for small organic molecules by surface plasmon resonance. Proteomics, 2007, 7, 494-499.	1.3	9
605	Preparation and Characterization of Nickel Nanoparticles for Binding to His-tag Proteins and Antigens. Pharmaceutical Research, 2007, 24, 343-352.	1.7	63
606	Oriented immobilisation of anti-pneumolysin Fab through a histidine tag for electrochemical immunosensors. Biosensors and Bioelectronics, 2007, 23, 210-217.	5.3	30
607	A poly(2-hydroxyethyl methacrylate)-based immobilized metal affinity chromatography adsorbent for protein purification. Journal of the Taiwan Institute of Chemical Engineers, 2008, 39, 329-336.	1.4	13
608	A study of NO trafficking from dinitrosyl–iron complexes to the recombinant E. coli transcriptional factor SoxR. Journal of Biological Inorganic Chemistry, 2008, 13, 961-972.	1.1	23
609	Simplified approaches for the development of an ELISA to detect circulating autoantibodies to p53 in cancer patients. BMC Biotechnology, 2008, 8, 16.	1.7	14
610	Production and Characterization of Recombinant Mouse Brainâ€Derived Neurotrophic Factor and Rat Neurotrophinâ€3 Expressed in Insect Cells. Journal of Neurochemistry, 1994, 62, 825-833.	2.1	15
611	Automated technologies and novel techniques to accelerate protein crystallography for structural genomics. Proteomics, 2008, 8, 612-625.	1.3	70
612	Novel approaches to predict the retention of histidineâ€containing peptides in immobilized metalâ€affinity chromatography. Proteomics, 2008, 8, 2185-2195.	1.3	15
613	Evidence for phosphorylation of serine 753 in CFTR using a novel metalâ€ion affinity resin and matrixâ€assisted laser desorption mass spectrometry. Protein Science, 1997, 6, 2436-2445.	3.1	228
614	Gallium metal affinity capture tandem mass spectrometry for the selective detection of phosphopeptides in complex mixtures. Journal of Mass Spectrometry, 2008, 43, 1072-1080.	0.7	15
615	Novel Probes Showing Specific Fluorescence Enhancement on Binding to a Hexahistidine Tag. Chemistry - A European Journal, 2008, 14, 8004-8012.	1.7	29
616	A Polymeric Molecular "Handle―for Multiple AFMâ€Based Singleâ€Molecule Force Measurements. Angewandte Chemie - International Edition, 2008, 47, 2431-2434.	7.2	30
618	Immobilization as a Tool for Improving Enzymes. , 0, , 21-41.		0

#	Article	IF	CITATIONS
619	Advanced polymers for molecular recognition and sensing at the interface. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 866, 89-103.	1.2	17
620	Adsorption of histidine-containing dipeptides on copper(II) immobilized chelating resin from saline solution. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 876, 116-122.	1.2	14
621	Adsorption behaviors of recombinant proteins on hydroxyapatite-based immobilized metal affinity chromatographic adsorbents. Journal of the Taiwan Institute of Chemical Engineers, 2008, 39, 389-398.	1.4	12
622	A double epitope tag for quantification of recombinant protein using fluorescence resonance energy transfer. Analytical Biochemistry, 2008, 380, 249-256.	1.1	4
623	Separation of chitosan oligomers by immobilized metal affinity chromatography. Journal of Chromatography A, 2008, 1194, 165-171.	1.8	43
624	Examination of the binding behaviour of several proteins with the immobilized copper(II) complexes of o-, m- and p-xylylene bridged bis(1,4,7-triazacyclononane) macrocycles. Journal of Chromatography A, 2008, 1194, 30-37.	1.8	12
625	Photocurrent generation properties of Histag-photosystem II immobilized on nanostructured gold electrode. Thin Solid Films, 2008, 516, 2553-2557.	0.8	81
626	A New Metal Chelate Affinity Adsorbent for Cytochrome c. Biotechnology Progress, 2008, 20, 223-228.	1.3	33
627	Cell Chromatography: Separation of Different Microbial Cells Using IMAC Supermacroporous Monolithic Columns. Biotechnology Progress, 2008, 21, 644-649.	1.3	95
628	MINLP Models for the Synthesis of Optimal Peptide Tags and Downstream Protein Processing. Biotechnology Progress, 2008, 21, 875-884.	1.3	23
629	Cloning, Overexpression, Purification, and Characterization of S-Adenosylhomocysteine Hydrolase from Corynebacterium efficiens YS-314. Biotechnology Progress, 2008, 24, 120-127.	1.3	6
630	Tumour cell binding by a human monoclonal IgM antibody from the spleen of a non-tumour-associated patient is due to somatic mutations in the VH gene. Clinical and Experimental Immunology, 2008, 99, 376-383.	1.1	6
631	Properties of Rhodotorula gracilis d-Amino Acid Oxidase Immobilized on Magnetic Beads through His-Tag. Journal of Bioscience and Bioengineering, 2008, 105, 110-115.	1.1	25
632	Display of Expression Products of cDNA Libraries on Phage Surfaces. FEBS Journal, 1994, 226, 53-58.	0.2	7
633	Affinity Chromatography. Springer Protocols, 2008, , 741-765.	0.1	0
634	Gold Nanoparticle Size Controlled by Polymeric Au(I) Thiolate Precursor Size. Journal of the American Chemical Society, 2008, 130, 975-982.	6.6	200
635	Affinity Chromatography. , 2008, 421, vii-viii.		11
636	Molecular Biomethods Handbook. Springer Protocols, 2008, , .	0.1	13

#	Article	IF	CITATIONS
637	2D PAGE: Sample Preparation and Fractionation. Methods in Molecular Biology, 2008, , .	0.4	6
638	Metalloproteomics in the Molecular Study of Cell Physiology and Disease. Methods in Molecular Biology, 2008, 425, 139-147.	0.4	11
639	Stationary phase induced alterations in mycobacterial RNA polymerase assembly: A cue to its phenotypic resistance towards rifampicin. Biochemical and Biophysical Research Communications, 2008, 369, 899-904.	1.0	17
640	<i>In Vitro</i> Reconstitution and Substrate Specificity of a Lantibiotic Protease. Biochemistry, 2008, 47, 7352-7363.	1.2	71
641	Purification of His-Tagged Proteins with [Desthiobiotinâ 'BSAâ 'EDTA] Conjugates Exhibiting Resistance to EDTA. Bioconjugate Chemistry, 2008, 19, 673-679.	1.8	4
642	XPS, TOF-SIMS, NEXAFS, and SPR Characterization of Nitrilotriacetic Acid-Terminated Self-Assembled Monolayers for Controllable Immobilization of Proteins. Analytical Chemistry, 2008, 80, 2564-2573.	3.2	86
643	Exploiting the Nitrilotriacetic Acid Moiety for Biolabeling with Ultrastable Perylene Dyes. Journal of the American Chemical Society, 2008, 130, 5398-5399.	6.6	100
644	Synthesis of Nickelâ^'Nitrilotriacetic Acid Coupled Single-Walled Carbon Nanotubes for Directed Self-Assembly with Polyhistidine-Tagged Proteins. Chemistry of Materials, 2008, 20, 1824-1829.	3.2	50
645	His-tags as Zn(II) binding motifs in a protein-based fluorescent sensor. Protein Engineering, Design and Selection, 2008, 21, 529-536.	1.0	47
646	Functionalization of Probe Tips and Supports for Single-Molecule Recognition Force Microscopy. Topics in Current Chemistry, 2008, 285, 29-76.	4.0	75
647	Diagnostic devices as biomaterials: a review of nucleic acid and protein microarray surface performance issues. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 725-753.	1.9	67
648	S-Adenosylhomocysteine Hydrolase from <i>Corynebacterium glutamicum:</i> Cloning, Overexpression, Purification, and Biochemical Characterization. Journal of Molecular Microbiology and Biotechnology, 2008, 15, 277-286.	1.0	8
649	Biosorption of chitin and chitosan. Materials Science and Technology, 2008, 24, 1088-1099.	0.8	33
650	Recombinant DNA methods applied to the production of protein-based fibers as biomaterials. , 2008, , 3-25.		3
653	$\tilde{FA}$ rster Resonance Energy Transfer Measurements of Ryanodine Receptor Type 1 Structure Using a Novel Site-Specific Labeling Method. PLoS ONE, 2009, 4, e7338.	1.1	24
654	Significant Enhanced Expression and Solubility of Human Proteins in <i>Escherichia coli</i> by Fusion with Protein S from <i>Myxococcus xanthus</i> Applied and Environmental Microbiology, 2009, 75, 5356-5362.	1.4	25
655	Insight into the Complexation Mode of Bis(nitrilotriacetic acid) (NTA) Ligands with Ni <sup>2+</sup> Involved in the Labeling of Histidine†Tagged Proteins. Chemistry - A European Journal, 2009, 15, 12689-12701.	1.7	13
656	A Facile Method for Reversibly Linking a Recombinant Protein to DNA. ChemBioChem, 2009, 10, 1551-1557.	1.3	68

#	ARTICLE	IF	Citations
657	Techniques for phosphopeptide enrichment prior to analysis by mass spectrometry. Mass Spectrometry Reviews, 2010, 29, 29-54.	2.8	168
658	Oligohisâ€tags: mechanisms of binding to Ni <sup>2+</sup> â€NTA surfaces. Journal of Molecular Recognition, 2009, 22, 270-279.	1.1	177
659	Adsorption and concentration of histidine-containing dipeptides using divalent transition metals immobilized on a chelating resin. Separation and Purification Technology, 2009, 70, 79-86.	3.9	10
660	The modification of quantum dot probes used for the targeted imaging of his-tagged fusion proteins. Biomaterials, 2009, 30, 836-842.	5.7	61
661	Simple preparation of immobilized-metal affinity chromatography media. Korean Journal of Chemical Engineering, 2009, 26, 1693-1695.	1.2	1
662	Analytical strategies for phosphoproteomics. Proteomics, 2009, 9, 1451-1468.	1.3	434
663	Microâ€Nanostructured Protein Arrays: A Tool for Geometrically Controlled Ligand Presentation. Small, 2009, 5, 1014-1018.	5.2	49
664	Affine magnetic sorbents supported on coal ash microspheres for recombinant protein isolation. Applied Biochemistry and Microbiology, 2009, 45, 215-220.	0.3	5
665	Alzheimer's βâ€amyloid peptide: affinity for metal chelates. Chemical Biology and Drug Design, 1998, 51, 91-95.	1.2	24
666	Solidâ€phase synthesis and characterization of carcinoembryonic antigen (CEA) domains. Chemical Biology and Drug Design, 1998, 52, 249-260.	1.2	17
667	pH- and mol-ratio dependent formation of zinc(II) coordination polymers with iminodiacetic acid: Synthesis, spectroscopic, crystal structure and thermal studies. Journal of Solid State Chemistry, 2009, 182, 2698-2706.	1.4	29
668	Computer-aided design to select optimal polypeptide tags to assist the purification of recombinant proteins. Separation and Purification Technology, 2009, 65, 86-94.	3.9	8
669	Delivery of sodium borocaptate to glioma cells using immunoliposome conjugated with anti-EGFR antibodies by ZZ-His. Biomaterials, 2009, 30, 1746-1755.	5.7	91
670	Modification of Galactitol Dehydrogenase from <i>Rhodobacter sphaeroides</i> D for Immobilization on Polycrystalline Gold Surfaces. Langmuir, 2009, 25, 12380-12386.	1.6	15
671	Construction of a fluorescent biosensor family. Protein Science, 2009, 11, 2655-2675.	3.1	282
672	Synthesis of Nickel-Chelating Fluorinated Lipids for Protein Monolayer Crystallizations. Journal of Organic Chemistry, 2009, 74, 1473-1479.	1.7	17
673	Plate Capture Assay of Fluorescent Oligonucleotide Duplex Reporterâ <sup>-</sup> Transcription Factor Complexes. Bioconjugate Chemistry, 2009, 20, 1444-1448.	1.8	2
674	Immobilized metal affinity chromatography in the presence of arginine. Biochemical and Biophysical Research Communications, 2009, 381, 306-310.	1.0	20

#	Article	IF	CITATIONS
675	Enrichment and Characterization of Phosphopeptides by Immobilized Metal Affinity Chromatography (IMAC) and Mass Spectrometry. Methods in Molecular Biology, 2009, 527, 47-56.	0.4	51
676	Site-specific covalent labeling of His-tag fused proteins with a reactive Ni(ii)–NTA probe. Chemical Communications, 2009, , 5880.	2.2	64
677	Synthesis and evaluation of phosphopeptides containing iminodiacetate groups as binding ligands of the Src SH2 domain. Bioorganic Chemistry, 2009, 37, 133-142.	2.0	4
678	Chapter 27 Immobilized-Metal Affinity Chromatography (IMAC). Methods in Enzymology, 2009, 463, 439-473.	0.4	309
679	Heterologous and Cell-Free Protein Expression Systems. Methods in Molecular Biology, 2009, 513, 175-198.	0.4	17
680	Synthetic Approaches to Functionalized Lipids for Protein Monolayer Crystallizations. Current Organic Chemistry, 2009, 13, 1378-1405.	0.9	3
681	Interaction of Tumor Suppressor p53 with DNA and Proteins. Current Pharmaceutical Biotechnology, 2010, 11, 122-127.	0.9	4
682	Surface Sensitization Techniques and Recognition Receptors Immobilization on Biosensors and Microarrays., 2010,, 47-134.		25
683	Binuclear Ni <sup>II</sup> â€DpaTyr Complex as a High Affinity Probe for an Oligoâ€Aspartate Tag Tethered to Proteins. Chemistry - an Asian Journal, 2010, 5, 877-886.	1.7	17
684	Electrochemical preparation of junction between a molecule and solid surface through a metal coordinative peptidic tag. Colloids and Surfaces B: Biointerfaces, 2010, 79, 83-87.	2.5	10
685	Delivering Regenerative Cues to the Heart: Cardiac Drug Delivery by Microspheres and Peptide Nanofibers. Journal of Cardiovascular Translational Research, 2010, 3, 461-468.	1.1	32
686	Purification by Strep-Tactin Affinity Chromatography of a Delete Envelope gp51 Protein of Bovine Leukaemia Virus Expressed in Sf21 Insect Cells. Protein Journal, 2010, 29, 153-160.	0.7	1
687	Magnetic Nanocomposite Spheres Decorated with NiO Nanoparticles for a Magnetically Recyclable Protein Separation System. Advanced Materials, 2010, 22, 57-60.	11.1	147
688	DNAâ€Encoded Chemical Libraries: A Tool for Drug Discovery and for Chemical Biology. ChemBioChem, 2010, 11, 931-937.	1.3	46
690	Semisynthetic DNA–Protein Conjugates for Biosensing and Nanofabrication. Angewandte Chemie - International Edition, 2010, 49, 1200-1216.	7.2	338
691	Purification and characterization of the <i>ncgl2923</i> â€encoded 3â€hydroxybenzoate 6â€hydroxylase from <i>Corynebacterium glutamicum</i> . Journal of Basic Microbiology, 2010, 50, 599-604.	1.8	17
692	Immobilization of Hisâ€Tagged Endoglucanase on Gold via Various Niâ€NTA Selfâ€Assembled Monolayers and Its Hydrolytic Activity. Macromolecular Bioscience, 2010, 10, 1265-1272.	2.1	13
693	Selective recovery of histidine-containing dipeptides based on metal affinity interactions using chemically modified dextran in combination with ultrafiltration. Reactive and Functional Polymers, 2010, 70, 103-109.	2.0	3

#	Article	IF	CITATIONS
694	Immobilized-metal affinity chromatography adsorbent with paramagnetism and its application in purification of histidine-tagged proteins. Separation and Purification Technology, 2010, 74, 253-260.	3.9	64
695	Hexahistidine-tag-specific optical probes for analyses of proteins and their interactions. Analytical Biochemistry, 2010, 399, 237-245.	1.1	30
696	Surface functionalization of polyketal microparticles with nitrilotriacetic acid–nickel complexes for efficient protein capture and delivery. Biomaterials, 2010, 31, 4987-4994.	5.7	23
697	Construction of a  turn-on' fluorescent probe system for His-tagged proteins. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6905-6908.	1.0	14
698	Phosphorylation and Dephosphorylation among Dif Chemosensory Proteins Essential for Exopolysaccharide Regulation in <i>Myxococcus xanthus</i> . Journal of Bacteriology, 2010, 192, 4267-4274.	1.0	25
699	Immobilized metal-ion affinity systems for recovery and structure–function studies of proteins at molecular, supramolecular, and cellular levels. Pure and Applied Chemistry, 2010, 82, 39-55.	0.9	11
700	Challenges and Approaches for Assay Development of Membrane and Membrane-Associated Proteins in Drug Discovery. Progress in Molecular Biology and Translational Science, 2010, 91, 209-239.	0.9	2
701	RGD Motif of Lipoprotein T, Involved in Adhesion of <i>Mycoplasma conjunctivae </i> Tissue Cells. Journal of Bacteriology, 2010, 192, 3773-3779.	1.0	21
702	Strategies for quantitation of phosphoproteomic data. Expert Review of Proteomics, 2010, 7, 439-456.	1.3	20
703	Superparamagnetic core-shell polymer particles for efficient purification of his-tagged proteins. Journal of Materials Chemistry, 2010, 20, 8624.	6.7	56
704	Oriented Immobilization of Prion Protein DemonstratedviaPrecise Interfacial Nanostructure Measurements. ACS Nano, 2010, 4, 6607-6616.	7.3	21
705	Localized Cell Uptake of His-Tagged Polyplexes Immobilized on NTA Self-Assembled Monolayers. Langmuir, 2010, 26, 15445-15452.	1.6	23
706	Metal- and Metallocycle-Binding Sites Engineered into Polyvalent Virus-Like Scaffolds. Bioconjugate Chemistry, 2010, 21, 399-404.	1.8	13
707	Polymeric Substrates with Tunable Elasticity and Nanoscopically Controlled Biomolecule Presentation. Langmuir, 2010, 26, 15472-15480.	1.6	75
708	The Dock tag, an affinity tool for the purification of recombinant proteins, based on the interaction between dockerin and cohesin domains from Clostridium josui cellulosome. Protein Expression and Purification, 2010, 70, 23-31.	0.6	16
709	Single-step affinity purification of recombinant proteins using the silica-binding Si-tag as a fusion partner. Protein Expression and Purification, 2010, 71, 91-95.	0.6	44
710	Colloidal probe microscopy of membrane–membrane interactions: From ligand–receptor recognition to fusion events. Biophysical Chemistry, 2010, 150, 54-63.	1.5	22
712	Modification of Poly(ethylene glycol)-Capped Quantum Dots with Nickel Nitrilotriacetic Acid and Self-Assembly with Histidine-Tagged Proteins. Journal of Physical Chemistry C, 2010, 114, 13526-13531.	1.5	43

#	Article	IF	Citations
713	Adsorption Mechanism of Ribosomal Protein L2 onto a Silica Surface: A Molecular Dynamics Simulation Study. Langmuir, 2010, 26, 9950-9955.	1.6	40
714	Preparation of fibrous cellulose by enzymatic polymerization using cross-linked mutant endoglucanase II. Chemical Communications, 2011, 47, 10127.	2.2	7
715	Patterning of proteins into nanostripes on Si-wafer over large areas: a combination of Langmuir–Blodgett patterning and orthogonal surface chemistry. Soft Matter, 2011, 7, 861-863.	1.2	14
716	A simple method for controlled immobilization of proteins on modified SAMs. Physical Chemistry Chemical Physics, 2011, 13, 5271.	1.3	18
717	Design and characterization of a metal ion–imidazole self-assembled monolayer for reversible immobilization of histidine-tagged peptides. Chemical Communications, 2011, 47, 12391.	2.2	9
718	Multifunctional Compact Zwitterionic Ligands for Preparing Robust Biocompatible Semiconductor Quantum Dots and Gold Nanoparticles. Journal of the American Chemical Society, 2011, 133, 9480-9496.	6.6	276
719	Easy access to efficient magnetically recyclable separation of histidine-tagged proteins using superparamagnetic nickel ferrite nanoparticle clusters. Journal of Materials Chemistry, 2011, 21, 6713.	6.7	32
720	Iminodiacetic Acid-Functionalized Gold Nanoparticles for Optical Sensing of Myoglobin via Cu <sup>2+</sup> Coordination. Langmuir, 2011, 27, 6504-6510.	1.6	49
721	Role of Hexahistidine in Directed Nanoassemblies of Tobacco Mosaic Virus Coat Protein. ACS Nano, 2011, 5, 1606-1616.	7.3	61
722	Enzymatic Polymerization Catalyzed by Immobilized Endoglucanase on Gold. Biomacromolecules, 2011, 12, 785-790.	2.6	11
723	ECHO probes: a concept of fluorescence control for practical nucleic acid sensing. Chemical Society Reviews, 2011, 40, 5815.	18.7	139
726	High-resolution atomic force microscopy and spectroscopy of native membrane proteins. Reports on Progress in Physics, 2011, 74, 086601.	8.1	118
728	Purification of Poly-Histidine-Tagged Proteins. Methods in Molecular Biology, 2011, 681, 311-335.	0.4	29
731	Microbial Biosorption of Metals., 2011, , .		65
733	Fluorescent "Turn-on―system utilizing a quencher-conjugated peptide for specific protein labeling of living cells. Biochemical and Biophysical Research Communications, 2011, 404, 211-216.	1.0	10
734	Molecularly Imprinted Polymers. Topics in Current Chemistry, 2011, 325, 1-28.	4.0	122
735	Analyzing protein–protein interactions by quantitative mass spectrometry. Methods, 2011, 54, 387-395.	1.9	60
736	Purification of proteins containing zinc finger domains using immobilized metal ion affinity chromatography. Protein Expression and Purification, 2011, 79, 88-95.	0.6	34

#	Article	IF	CITATIONS
737	Biological activities of histidine-rich peptides; merging biotechnology and nanomedicine. Microbial Cell Factories, 2011, 10, 101.	1.9	47
738	Analytical Strategies in Mass Spectrometry-Based Phosphoproteomics. Methods in Molecular Biology, 2011, 753, 183-213.	0.4	18
739	Single step surface modification of highly stable magnetic nanoparticles for purification of His-tag proteins. Journal of Nanoparticle Research, 2011, 13, 2475-2484.	0.8	72
740	Profiling and quantitative evaluation of three Nickel-Coated magnetic matrices for purification of recombinant proteins: helpful hints for the optimized nanomagnetisable matrix preparation. Journal of Nanobiotechnology, 2011, 9, 31.	4.2	7
741	Mechanism of acetaldehyde-induced deactivation of microbial lipases. BMC Biochemistry, 2011, 12, 10.	4.4	33
742	Isolation and characterization of plant protein complexes by mass spectrometry. Proteomics, 2011, 11, 1824-1833.	1.3	23
743	Functional protein microarray technology. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 255-268.	6.6	62
744	Linking the proteinsâ€"Elucidation of proteomeâ€scale networks using mass spectrometry. Mass Spectrometry Reviews, 2011, 30, 268-297.	2.8	23
745	Selective Twoâ€Step Labeling of Proteins with an Off/On Fluorescent Probe. Chemistry - A European Journal, 2011, 17, 14763-14771.	1.7	10
746	A Modular and Noncovalent Transduction System for Leucineâ€Zipperâ€Tagged Proteins. ChemBioChem, 2011, 12, 2294-2297.	1.3	11
747	New and more efficient multivalent glyco-ligands for asialoglycoprotein receptor of mammalian hepatocytes. Bioorganic and Medicinal Chemistry, 2011, 19, 2494-2500.	1.4	26
748	Equilibrium adsorption of poly(His)-tagged proteins on immobilized metal affinity chromatographic adsorbents. Biochemical Engineering Journal, 2011, 54, 1-9.	1.8	12
749	Comparison of the binding behavior of several histidine-containing proteins with immobilized copper(II) complexes of 1,4,7-triazacyclononane and 1,4-bis(1,4,7-triazacyclononan-1-yl)butane. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 844-852.	1,2	13
750	Hydrogel-supported protein-tethered bilayer lipid membranes: a new approach toward polymer-supported lipid membranes. Soft Matter, 2011, 7, 237-246.	1.2	38
751	Mass Spectrometry Characterization of Plant Phosphoproteins. Current Protein and Peptide Science, 2011, 12, 112-125.	0.7	4
752	Enzymatic Polymerization to Cellulose by Crosslinked Enzyme Immobilized on Gold Solid Surface. Chemistry Letters, 2012, 41, 37-38.	0.7	3
753	Applications of Functional Protein Microarrays in Basic and Clinical Research. Advances in Genetics, 2012, 79, 123-155.	0.8	38
754	A modified IMAC method for the capture of target protein from mammalian cell culture harvest containing metal chelating species. Biotechnology and Bioengineering, 2012, 109, 747-753.	1.7	2

#	Article	IF	Citations
755	Methods for characterization of biochromatography media. Journal of Separation Science, 2012, 35, 3001-3032.	1.3	41
756	Task-specific membranes for the isolation of recombinant proteins with peptide tags. RSC Advances, 2012, 2, 125-127.	1.7	7
757	Parts per Trillion Detection of Ni(II) Ions by Nanoparticle-Enhanced Surface Plasmon Resonance. Analytical Chemistry, 2012, 84, 10091-10096.	3.2	27
758	Overexpression of (His) 6 -tagged human arginase I in Saccharomyces cerevisiae and enzyme purification using metal affinity chromatography. Protein Expression and Purification, 2012, 81, 63-68.	0.6	22
759	Specific His <sub>6</sub> -tag Attachment to Metal-Functionalized Polymersomes Relies on Molecular Recognition. Journal of Physical Chemistry B, 2012, 116, 10113-10124.	1.2	19
760	The Dac-tag, an affinity tag based on penicillin-binding protein 5. Analytical Biochemistry, 2012, 428, 64-72.	1.1	13
761	Lipid nanocapsule as vaccine carriers for his-tagged proteins: Evaluation of antigen-specific immune responses to HIV I His-Gag p41 and systemic inflammatory responses. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 315-322.	2.0	16
764	Protein–Polymer Conjugates. , 2012, , 317-337.		7
765	Immobilized metal ion affinity chromatography: a review on its applications. Applied Microbiology and Biotechnology, 2012, 96, 1411-1420.	1.7	202
766	Hydrothermal assisted synthesis of iron oxide-based magnetic silica spheres andÂtheir performance in magnetophoretic water purification. Materials Chemistry and Physics, 2012, 135, 510-517.	2.0	32
767	Highly parallel oligonucleotide purification and functionalization using reversible chemistry. Nucleic Acids Research, 2012, 40, e4-e4.	6.5	6
768	Design of a multinuclear Zn( <scp>ii</scp> ) complex as a new molecular probe for fluorescence imaging of His-tag fused proteins. Chemical Communications, 2012, 48, 594-596.	2.2	28
769	Affinity surface-assisted laser desorption/ionization mass spectrometry for peptide enrichment. Analyst, The, 2012, 137, 5527.	1.7	23
770	Intrinsic tethering activity of endosomal Rab proteins. Nature Structural and Molecular Biology, 2012, 19, 40-47.	3.6	50
771	Mass Spectrometric Screening of Ligands with Lower Off-Rate from a Clicked-Based Pooled Library. ACS Combinatorial Science, 2012, 14, 451-455.	3.8	2
772	1.15 Analysis of 2-D Crystals of Membrane Proteins by Electron Microscopy., 2012,, 277-310.		5
773	Expression and characteristic of the Cu/Zn superoxide dismutase gene from the insect parasitizing fungus Cordyceps militaris. Molecular Biology Reports, 2012, 39, 10303-10311.	1.0	10
774	Immobilized Metal Affinity Chromatography Co-Purifies TGF- $\hat{l}^21$ with Histidine-Tagged Recombinant Extracellular Proteins. PLoS ONE, 2012, 7, e48629.	1.1	16

#	Article	IF	CITATIONS
775	Regeneration and Recycling of Supports for Biological Macromolecules Purification., 0,,.		0
776	Rational and Irrational Approaches to Convince a Protein to Crystallize., 2012,,.		2
777	Hexahistidineâ€Tagged Singleâ€Walled Carbon Nanotubes (His <sub>6</sub> â€tagSWNTs): A Multifunctional Hard Template for Hierarchical Directed Selfâ€Assembly and Nanocomposite Construction. Advanced Functional Materials, 2012, 22, 4009-4015.	7.8	9
778	Recombinant protein expression and purification: A comprehensive review of affinity tags and microbial applications. Biotechnology Journal, 2012, 7, 620-634.	1.8	371
779	Direct electrochemical sensing of glucose using glucose oxidase immobilized on functionalized carbon nanotubes via a novel metal chelate-based affinity method. Mikrochimica Acta, 2012, 177, 159-166.	2.5	10
780	Design and characterization of Ni2+ and Co2+ decorated Porous Magnetic Silica spheres synthesized by hydrothermal-assisted modified-Stöber method for His-tagged proteins separation. Journal of Colloid and Interface Science, 2012, 365, 156-162.	5.0	31
781	Recombinant envelope protein (rgp90) ELISA for equine infectious anemia virus provides comparable results to the agar gel immunodiffusion. Journal of Virological Methods, 2012, 180, 62-67.	1.0	10
782	Metal ion affinity purification of proteins by genetically incorporating metal-chelating amino acids. Tetrahedron, 2012, 68, 4649-4654.	1.0	17
783	Magnetic nanocomposite spinel and FeCo core-shell and mesoporous systems. Journal of Magnetism and Magnetic Materials, 2012, 324, 1938-1944.	1.0	15
784	Heterofunctional Supports in Enzyme Immobilization: From Traditional Immobilization Protocols to Opportunities in Tuning Enzyme Properties. Biomacromolecules, 2013, 14, 2433-2462.	2.6	429
785	Ni(ii)-modified solid substrates as a platform to adsorb His-tag proteins. Journal of Materials Chemistry B, 2013, 1, 4921.	2.9	16
786	The Fh8 tag: A fusion partner for simple and cost-effective protein purification in Escherichia coli. Protein Expression and Purification, 2013, 92, 163-170.	0.6	32
788	Simple, Miniaturized Blood Plasma Extraction Method. Analytical Chemistry, 2013, 85, 11501-11508.	3.2	93
789	To fuse or not to fuse: What is your purpose?. Protein Science, 2013, 22, 1466-1477.	3.1	104
790	His-rich sequences – is plagiarism from nature a good idea?. New Journal of Chemistry, 2013, 37, 58-70.	1.4	50
791	A simple and effective strategy for solving the problem of inclusion bodies in recombinant protein technology: His-tag deletions enhance soluble expression. Applied Microbiology and Biotechnology, 2013, 97, 837-845.	1.7	25
792	Immobilisation of enzymes on mesoporous silicate materials. Chemical Society Reviews, 2013, 42, 6213.	18.7	280
793	pH responsive PEGylation through metal affinity for gene delivery mediated by histidineâ€grafted polyethylenimine. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 375-386.	1.6	7

#	Article	IF	Citations
794	Phosphorylation of C-terminal polycystin-2 influences the interaction with PIGEA14: A QCM study based on solid supported membranes. Biochemical and Biophysical Research Communications, 2013, 437, 532-537.	1.0	6
795	Application of an IMAC cassette for the purification of N-terminally tagged proteins. Separation and Purification Technology, 2013, 120, 265-274.	3.9	11
796	Preparation of affinity membranes using thermally induced phase separation for one-step purification of recombinant proteins. Analytical Biochemistry, 2013, 434, 269-274.	1.1	13
797	Protein Organic Chemistry and Applications for Labeling and Engineering in Live ell Systems. Angewandte Chemie - International Edition, 2013, 52, 4088-4106.	7.2	284
800	A new type of metal chelate affinity chromatography using trivalent lanthanide ions for phosphopeptide enrichment. Analyst, The, 2013, 138, 2995.	1.7	43
801	Specific metal ion binding sites in unstructured regions of proteins. Coordination Chemistry Reviews, 2013, 257, 2625-2638.	9.5	63
803	A His‶agged <i>Melanocarpus albomyces</i> Laccase and its Electrochemistry upon Immobilisation on NTAâ€Modified Electrodes and in Conducting Polymer Films. ChemPhysChem, 2013, 14, 2225-2231.	1.0	13
804	Improving the binding capacity of Ni2+ decorated porous magnetic silica spheres for histidine-rich protein separation. Colloids and Surfaces B: Biointerfaces, 2013, 101, 370-375.	2.5	7
805	Quantitative Determination of Lateral Concentration and Depth Profile of Histidine-Tagged Recombinant Proteins Probed by Grazing Incidence X-ray Fluorescence. Journal of Physical Chemistry B, 2013, 117, 5002-5008.	1.2	14
807	Analysis of a Recent Biofilter Model for Toluene Biodegradation. Advances in Chemical Engineering and Science, 2013, 03, 57-66.	0.2	7
808	Cobalt(III) as a Stable and Inert Mediator Ion between NTA and His6â€Tagged Proteins. Angewandte Chemie - International Edition, 2013, 52, 7593-7596.	7.2	90
810	Large-scale label-free phosphoproteomics: from technology to data interpretation. Bioanalysis, 2014, 6, 2403-2420.	0.6	8
811	Removal of cleavage slow points from affinity tags used in the IMAC purification of recombinant proteins. Biotechnology Journal, 2014, 9, 1023-1032.	1.8	5
813	Bacterial toxin colicin N-T domain structure changes to ordered state upon binding C-terminal domain of TolA. Turkish Journal of Biology, 2014, 38, 648-652.	2.1	1
814	Recombinant production of the antimicrobial peptide NZ17074 in <i>Pichia pastoris</i> using SUMO3 as a fusion partner. Letters in Applied Microbiology, 2014, 59, 71-78.	1.0	24
815	Engineered fluorescence tags for in vivo protein labelling. RSC Advances, 2014, 4, 7235-7245.	1.7	18
816	Purification of a recombinant human growth hormone by an integrated IMAC procedure. Protein Expression and Purification, 2014, 94, 85-94.	0.6	23
817	Peptide Tag/Probe Pairs Based on the Coordination Chemistry for Protein Labeling. Inorganic Chemistry, 2014, 53, 1816-1823.	1.9	34

#	Article	IF	CITATIONS
818	Glutaraldehyde in bio-catalysts design: a useful crosslinker and a versatile tool in enzyme immobilization. RSC Advances, 2014, 4, 1583-1600.	1.7	669
819	Reconstituting Functional Microtubule–Barrier Interactions. Methods in Cell Biology, 2014, 120, 69-90.	0.5	6
820	Thermodynamics of imidazole-ligand binding to Ni-nitrilotriacetate in solution and covalently attached to agarose beads: Imidazole, his-6 (his-tag) peptide and a new bis-imidazolo-dithiane. Protein Expression and Purification, 2014, 95, 1-7.	0.6	4
821	Transporting a Tube in a Tube. Nano Letters, 2014, 14, 6160-6164.	4.5	34
822	Self-Assembly of a Model Peptide Incorporating a Hexa-Histidine Sequence Attached to an Oligo-Alanine Sequence, and Binding to Gold NTA/Nickel Nanoparticles. Biomacromolecules, 2014, 15, 3412-3420.	2.6	24
823	Biofunctional Surface Patterns Retaining Activity after Exposure to Whole Blood. Langmuir, 2014, 30, 7014-7023.	1.6	5
824	Chemically-Modulated Photoluminescence of Graphene Oxide for Selective Detection of Neurotransmitter by "Turn-On―Response. Journal of the American Chemical Society, 2014, 136, 10842-10845.	6.6	64
825	Recombinant expression, purification, and biophysical characterization of the transmembrane and membrane proximal domains of <scp>HIV</scp> â€1 gp41. Protein Science, 2014, 23, 1607-1618.	3.1	3
827	Double troubleâ€"Buffer selection and <scp>H</scp> isâ€ŧag presence may be responsible for nonreproducibility of biomedical experiments. Protein Science, 2014, 23, 1359-1368.	3.1	83
828	A New Family of Pyridine-Appended Multidentate Polymers As Hydrophilic Surface Ligands for Preparing Stable Biocompatible Quantum Dots. Chemistry of Materials, 2014, 26, 5327-5344.	3.2	94
829	Multivalent chelators for spatially and temporally controlled protein functionalization. Analytical and Bioanalytical Chemistry, 2014, 406, 3345-3357.	1.9	35
830	Affinity Tags in Protein Purification and Peptide Enrichment: An Overview. Methods in Molecular Biology, 2014, 1129, 147-168.	0.4	15
831	An electrochemical peptide-based Ara h 2 antibody sensor fabricated on a nickel(II)-nitriloacetic acid self-assembled monolayer using a His-tagged peptide. Analytica Chimica Acta, 2014, 828, 85-91.	2.6	20
832	Insight into the Coordination and the Binding Sites of Cu <sup>2+</sup> by the Histidyl-6-Tag using Experimental and Computational Tools. Inorganic Chemistry, 2014, 53, 6675-6683.	1.9	49
833	Studies with an immobilized metal affinity chromatography cassette system involving binuclear triazacyclononane-derived ligands: Automation of batch adsorption measurements with tagged recombinant proteins. Journal of Chromatography A, 2014, 1351, 61-69.	1.8	16
834	Enzyme Production in <i>Escherichia coli</i> , 0, , 539-548.		0
835	Recombinant expression systems. , 2015, , 175-252.		0
836	Affinity-Based Methods in Drug-Target Discovery. Current Drug Targets, 2015, 16, 60-76.	1.0	11

#	Article	IF	CITATIONS
837	A Review of Heavy Metals Immunoassay Detection. Advance Journal of Food Science and Technology, 2015, 8, 559-565.	0.1	2
838	Grafted biomembranes containing membrane proteins – the case of the leucine transporter. Soft Matter, 2015, 11, 7707-7711.	1.2	12
839	Facile synthesis of magnetic core-mesoporous shell structured sub-microspheres decorated with NiO nanoparticles for magnetic recyclable separation of proteins. Microporous and Mesoporous Materials, 2015, 207, 142-148.	2.2	15
840	Changed loading conditions and lysate composition improve the purity of tagged recombinant proteins with tacnâ€based IMAC adsorbents. Biotechnology Journal, 2015, 10, 480-489.	1.8	7
841	N-terminal processing of affinity-tagged recombinant proteins purified by IMAC procedures. Journal of Molecular Recognition, 2015, 28, 401-412.	1.1	3
842	DNA Nanostructures as Programmable Biomolecular Scaffolds. Bioconjugate Chemistry, 2015, 26, 1381-1395.	1.8	134
843	Chemical Functionalization of Germanium with Dextran Brushes for Immobilization of Proteins Revealed by Attenuated Total Reflection Fourier Transform Infrared Difference Spectroscopy. Analytical Chemistry, 2015, 87, 7467-7475.	3.2	11
844	Purification of His-Tagged Proteins. Methods in Enzymology, 2015, 559, 1-15.	0.4	120
845	Methods for Labeling Skeletal Muscle Ion Channels Site-Specifically with Fluorophores Suitable for FRET-Based Structural Analysis. Methods in Enzymology, 2015, 556, 455-474.	0.4	2
846	Protein recognition using synthetic small-molecular binders toward optical protein sensing in vitro and in live cells. Chemical Society Reviews, 2015, 44, 4454-4471.	18.7	121
847	Synthesis of a Polyhistidine-bearing Amphipol and its Use for Immobilizing Membrane Proteins. Biomacromolecules, 2015, 16, 3751-3761.	2.6	32
848	Investigating organic multilayers by spectroscopic ellipsometry: specific and non-specific interactions of polyhistidine with NTA self-assembled monolayers. Beilstein Journal of Nanotechnology, 2016, 7, 544-553.	1.5	4
849	Metal Ion-Induced Self-Assembly of a Multi-Responsive Block Copolypeptide into Well-Defined Nanocapsules. Small, 2016, 12, 2476-2483.	5.2	37
850	Fast and highly efficient purification of $6\tilde{A}$ —histidine-tagged recombinant proteins by Ni-decorated MnFe <sub>2</sub> @CAB as novel and efficient affinity adsorbent magnetic nanoparticles. RSC Advances, 2016, 6, 36840-36848.	1.7	30
851	Mixed Metal Mixed Ligand Complexation Equilibria of Transition Metal Ions Involving Nitrilotriacetic Acid (NTA) and I-2-Amino-3-Methyl Butanoic Acid (Valine). The National Academy of Sciences, India, 2016, 39, 185-189.	0.8	1
852	IMAC capture of recombinant protein from unclarified mammalian cell feed streams. Biotechnology and Bioengineering, 2016, 113, 130-140.	1.7	13
853	Biotechnology Based Process for Production of a Disulfide-Bridged Peptide. Bioconjugate Chemistry, 2016, 27, 1276-1284.	1.8	0
854	Preparation, Biochemical Analysis, and Structure Determination of SET Domain Histone Methyltransferases. Methods in Enzymology, 2016, 573, 209-240.	0.4	5

#	Article	IF	Citations
855	A chemiluminescent sandwich ELISA enhancement method using a chromium (III) coordination complex. Journal of Immunological Methods, 2016, 438, 59-66.	0.6	15
856	Development of immobilized Sn <sup>4+</sup> affinity chromatography material for highly selective enrichment of phosphopeptides. Proteomics, 2016, 16, 2733-2741.	1.3	45
857	Affinity Induced Surface Functionalization of Liposomes Using Cu-Free Click Chemistry. Bioconjugate Chemistry, 2016, 27, 1673-1680.	1.8	12
858	New building blocks or dendritic pseudopeptides for metal chelating. SpringerPlus, 2016, 5, 55.	1.2	1
859	Amino Acid Functional Polymers: Biomimetic Polymer Design Enabling Catalysis, Chiral Materials, and Drug Delivery. Australian Journal of Chemistry, 2016, 69, 705.	0.5	24
860	Single-step affinity and cost-effective purification of recombinant proteins using the Sepharose-binding lectin-tag from the mushroom Laetiporus sulphureus as fusion partner. Protein Expression and Purification, 2016, 119, 51-56.	0.6	9
861	Evaluation of Nonferrous Metals as Potential In Vivo Tracers of Transferrin-Based Therapeutics. Journal of the American Society for Mass Spectrometry, 2016, 27, 211-219.	1.2	11
862	Evaluation of immobilized metal affinity chromatography kits for the purification of histidine-tagged recombinant CagA protein. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1021, 182-187.	1.2	18
863	Development of Hf 4+ -immobilized polydopamine-coated magnetic graphene for highly selective enrichment of phosphopeptides. Talanta, 2016, 149, 91-97.	2.9	43
864	Expression, purification, and characterization of bovine chymosin enzyme using an inducible pTOLT system. Preparative Biochemistry and Biotechnology, 2016, 46, 596-601.	1.0	9
865	Nickel-Salen supported paramagnetic nanoparticles for 6-His-target recombinant protein affinity purification. Journal of Chromatography A, 2017, 1490, 47-53.	1.8	18
866	Dual-Functional-Tag-Facilitated Protein Labeling and Immobilization. ACS Omega, 2017, 2, 522-528.	1.6	4
867	A fully automated procedure for the parallel, multidimensional purification and nucleotide loading of the human GTPases KRas, Rac1 and RalB. Protein Expression and Purification, 2017, 132, 75-84.	0.6	10
868	An iminodiacetate-modified conjugated polyelectrolyte for fluorescent labeling of histidine-tagged proteins. Chemical Communications, 2017, 53, 4191-4194.	2.2	6
870	Vapor Phase Exchange of Self-Assembled Monolayers for Engineering of Biofunctional Surfaces. Langmuir, 2017, 33, 3847-3854.	1.6	7
871	Functionalizable self-assembled trichlorosilyl-based monolayer for application in biosensor technology. Applied Surface Science, 2017, 414, 435-441.	3.1	11
872	Recombinant Protein Expression in E. coli: A Historical Perspective. Methods in Molecular Biology, 2017, 1586, 3-10.	0.4	35
873	Expression, purification and characterization of human cytosolic sulfotransferase (SULT) 1C4. Hormone Molecular Biology and Clinical Investigation, 2017, 29, 27-36.	0.3	12

#	Article	IF	CITATIONS
874	Orientation and characterization of immobilized antibodies for improved immunoassays (Review). Biointerphases, 2017, 12, 02D301.	0.6	271
875	In situ affinity purification of his-tagged protein A from Bacillus megaterium cultivation using recyclable superparamagnetic iron oxide nanoparticles. Journal of Biotechnology, 2017, 242, 55-63.	1.9	24
876	Controlling Protein Surface Orientation by Strategic Placement of Oligo-Histidine Tags. ACS Nano, 2017, 11, 9068-9083.	7.3	44
877	His-Tag-Mediated Dimerization of Chemoreceptors Leads to Assembly of Functional Nanoarrays. Biochemistry, 2017, 56, 5874-5885.	1.2	19
878	Targeted dianthin is a powerful toxin to treat pancreatic carcinoma when applied in combination with the glycosylated triterpene <scp>SO</scp> 1861. Molecular Oncology, 2017, 11, 1527-1543.	2.1	11
879	Engineering of global regulators and cell surface properties toward enhancing stress tolerance in Saccharomyces cerevisiae. Journal of Bioscience and Bioengineering, 2017, 124, 599-605.	1.1	11
880	How to approach heterogeneous protein expression for biotechnological use: An overview. Nova Biotechnologica Et Chimica, 2017, 16, 1-11.	0.1	4
881	Small Bioactive Peptides for Biomaterials Design and Therapeutics. Chemical Reviews, 2017, 117, 14015-14041.	23.0	317
882	Construction of high level prokaryotic expression and purification system of PD-L1 extracellular domain by using Escherichia coli host cell machinery. Immunology Letters, 2017, 190, 34-41.	1.1	9
883	Generation of Nanobodies against SlyD and development of tools to eliminate this bacterial contaminant from recombinant proteins. Protein Expression and Purification, 2017, 137, 64-76.	0.6	5
884	Purification of Polyhistidine-Tagged Proteins. Methods in Molecular Biology, 2017, 1485, 275-303.	0.4	23
885	An electrochemical lipopolysaccharide sensor based on an immobilized Toll-Like Receptor-4. Biosensors and Bioelectronics, 2017, 87, 794-801.	5.3	24
886	His-FLAG Tag as a Fusion Partner of Glycosylated Human Interferon-Gamma and Its Mutant: Gain or Loss?. BioMed Research International, 2017, 2017, 1-12.	0.9	4
887	Highly stable protein immobilization <i>via</i> maleimido-thiol chemistry to monitor enzymatic activity. Analyst, The, 2018, 143, 2276-2284.	1.7	9
888	Biohybrid solar cells: Fundamentals, progress, and challenges. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2018, 35, 134-156.	5.6	76
889	Characterizing disease-associated changes in post-translational modifications by mass spectrometry. Expert Review of Proteomics, 2018, 15, 245-258.	1.3	47
890	Near-native, site-specific and purification-free protein labeling for quantitative protein interaction analysis by MicroScale Thermophoresis. Scientific Reports, 2018, 8, 4977.	1.6	60
891	O <sub>2</sub> Reduction in Enzymatic Biofuel Cells. Chemical Reviews, 2018, 118, 2392-2468.	23.0	259

#	Article	IF	CITATIONS
892	Phosphopeptide enrichment with crossâ€linked Os(II)(dmebpy) <sub>2</sub> Clâ€derivatized acrylamide and vinylimidazole copolymer. Rapid Communications in Mass Spectrometry, 2018, 32, 1-8.	0.7	4
893	Chitosan-nickel film based interferometric optical fiber sensor for label-free detection of histidine tagged proteins. Biosensors and Bioelectronics, 2018, 99, 578-585.	5.3	30
894	Direct Determination of Ni2+-Capacity of IMAC Materials Using Near-Infrared Spectroscopy. Molecules, 2018, 23, 3072.	1.7	6
895	Hydroxyethyl cellulose-grafted loofa sponge-based metal affinity adsorbents for protein purification and enzyme immobilization. Process Biochemistry, 2018, 74, 141-147.	1.8	11
896	Dual column approach for the purification of zinc finger proteins by immobilized metal affinity chromatography. Process Biochemistry, 2018, 73, 204-210.	1.8	9
897	The Scaffold Design of Trivalent Chelator Heads Dictates Affinity and Stability for Labeling Hisâ€tagged Proteins in vitro and in Cells. Angewandte Chemie - International Edition, 2018, 57, 12395-12399.	7.2	24
898	Extended substrate range of thiamine diphosphate-dependent MenD enzyme by coupling of two C–C-bonding reactions. Applied Microbiology and Biotechnology, 2018, 102, 8359-8372.	1.7	6
899	Cloning, Over-Expression, and Purification of Carbonic Anhydrase from an Extremophilic Bacterium: An Introduction to Advanced Molecular Biology. American Biology Teacher, 2018, 80, 29-34.	0.1	2
900	Poly-Xaa Sequences in Proteins - Biological Role and Interactions with Metal Ions: Chemical and Medical Aspects. Current Medicinal Chemistry, 2018, 25, 22-48.	1.2	4
901	Thickness and Beyond. Exploiting Spectroscopic Ellipsometry and Atomic Force Nanolithography for the Investigation of Ultrathin Interfaces of Biologic Interest. Springer Series in Surface Sciences, 2018, , 63-93.	0.3	2
902	An enzymatic system for decolorization of wastewater dyes using immobilized CueO laccaseâ€like multicopper oxidase on polyâ€3â€hydroxybutyrate. Microbial Biotechnology, 2018, 11, 881-892.	2.0	30
903	The Scaffold Design of Trivalent Chelator Heads Dictates Affinity and Stability for Labeling Hisâ€ŧagged Proteins in vitro and in Cells. Angewandte Chemie, 2018, 130, 12575-12579.	1.6	5
904	Amphipol-Mediated Immobilization of Membrane Proteins and Its Applications. Biological and Medical Physics Series, 2018, , 591-623.	0.3	0
905	Electrochemical Signalâ€ŧriggered Release of Biomolecules Functionalized with Hisâ€ŧag Units. Electroanalysis, 2019, 31, 2274-2282.	1.5	7
906	Analysis of biological networks in the endothelium with biomimetic microsystem platform. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L392-L401.	1.3	1
907	Amino acid-assisted synthesis of porous graphitic carbon spheres with highly dispersed Ni nanoparticles. Carbon, 2019, 153, 206-216.	5.4	20
908	Isolation of secreted proteins from Drosophila ovaries and embryos through in vivo BirA-mediated biotinylation. PLoS ONE, 2019, 14, e0219878.	1.1	2
909	Drug metabolite synthesis by immobilized human FMO3 and whole cell catalysts. Microbial Cell Factories, 2019, 18, 133.	1.9	4

#	Article	IF	CITATIONS
910	The ALFA-tag is a highly versatile tool for nanobody-based bioscience applications. Nature Communications, 2019, 10, 4403.	5.8	278
911	An iBody-based lateral flow assay for semi-quantitative determination of His-tagged protein concentration. Journal of Immunological Methods, 2019, 473, 112640.	0.6	2
912	A pH-responsive self-healing hydrogel based on multivalent coordination of Ni <sup>2+</sup> with polyhistidine-terminated PEG and IDA-modified oligochitosan. Journal of Materials Chemistry B, 2019, 7, 30-42.	2.9	35
913	A Quick and Colorful Method to Measure Low-Level Contaminations of Paramagnetic Ni2+ in Protein Samples Purified by Immobilized Metal Ion Affinity Chromatography. Methods in Enzymology, 2019, 614, 87-106.	0.4	4
914	Promiscuity of host cell proteins in the purification of histidine tagged recombinant xylanase A by IMAC procedures: A case study with a Ni2+-tacn-based IMAC system. Protein Expression and Purification, 2019, 162, 51-61.	0.6	8
915	Nanoparticle-supported temperature responsive polymer brushes for affinity separation of histidine-tagged recombinant proteins. Acta Biomaterialia, 2019, 94, 447-458.	4.1	14
916	Combinatorial Engineering. , 2019, , 161-173.		0
917	Efficient development and expression of scFv recombinant proteins against PD-L1 surface domain and potency in cancer therapy. Cytotechnology, 2019, 71, 705-722.	0.7	7
918	Yeast Cell Surface Engineering. , 2019, , .		2
919	Green Fluorescent Probe for Imaging His <sub>6</sub> -Tagged Proteins Inside Living Cells. ACS Sensors, 2019, 4, 1190-1196.	4.0	11
920	Cleanup of Pollution: Heavy Metal Ions and Environmental Hormones., 2019,, 63-72.		0
921	Highly selective enrichment of phosphopeptides using poly(dibenzoâ€18â€crownâ€6) as a solidâ€phase extraction material. Biomedical Chromatography, 2019, 33, e4567.	0.8	2
922	Multivalent Chelators for Inâ€Vivo Protein Labeling. Angewandte Chemie - International Edition, 2019, 58, 8278-8290.	7.2	19
923	PERSIA for Direct Fluorescence Measurements of Transcription, Translation, and Enzyme Activity in Cell-Free Systems. ACS Synthetic Biology, 2019, 8, 1010-1025.	1.9	16
924	Design of Novel Oligomeric Mixed Ligand Complexes: Preparation, Biological Applications and the First Example of Their Nanosized Scale. International Journal of Molecular Sciences, 2019, 20, 743.	1.8	11
925	Synthesis of Polysaccharides I: Hydrolase as Catalyst. Green Chemistry and Sustainable Technology, 2019, , 15-46.	0.4	2
926	Synthetic and genetic dimers as quantification ruler for single-molecule counting with PALM. Molecular Biology of the Cell, 2019, 30, 1369-1376.	0.9	24
927	Multivalent Chelators for Inâ€Vivo Protein Labeling. Angewandte Chemie, 2019, 131, 8364.	1.6	0

#	ARTICLE	IF	CITATIONS
928	Polymer brush interfaces for protein biosensing prepared by surface-initiated controlled radical polymerization. Polymer Chemistry, 2019, 10, 2925-2951.	1.9	45
929	Nanoreactors for the multi-functionalization of poly-histidine fragments. New Journal of Chemistry, 2019, 43, 6834-6837.	1.4	8
931	PBP Isolation and DD-Carboxypeptidase Assay. Methods in Molecular Biology, 2019, 1946, 207-225.	0.4	2
932	"Fishing and Huntingâ€â€"Selective Immobilization of a Recombinant Phenylalanine Ammonia-Lyase from Fermentation Media. Molecules, 2019, 24, 4146.	1.7	13
933	Stereochemistry of Hexacoordinated Zn(II), Cu(II), Ni(II), and Co(II) Complexes with Iminodiacetamide Ligands. Inorganic Chemistry, 2019, 58, 16445-16457.	1.9	20
934	Kinetic and catalytic properties of M.HpyAXVII, a phase-variable DNA methyltransferase from Helicobacter pylori. Journal of Biological Chemistry, 2019, 294, 1019-1034.	1.6	4
935	Magnetically steerable Fe3O4@Ni2+-NTA-polystyrene nanoparticles for the immobilization and separation of his6-protein. European Polymer Journal, 2019, 112, 524-529.	2.6	21
936	Inorganic Complexes and Metal-Based Nanomaterials for Infectious Disease Diagnostics. Chemical Reviews, 2019, 119, 1456-1518.	23.0	80
937	Production of a recombinant monoclonal antibody to Herpes Simplex Virus glycoprotein D for immunoaffinity purification of tagged proteins. Journal of Immunological Methods, 2019, 465, 31-38.	0.6	3
938	Use of Extracellular Matrix Proteins and Natural Materials in Bioengineering. , 2020, , 401-413.		0
939	Proteomics analysis of host cell proteins after immobilized metal affinity chromatography: Influence of ligand and metal ions. Journal of Chromatography A, 2020, 1633, 461649.	1.8	13
940	Concomitant selective adsorption and covalent immobilization of a His-tagged protein switch with silica-based metal chelate-epoxy bifunctional adsorbents. Process Biochemistry, 2020, 99, 179-186.	1.8	6
941	Opportunities and challenges of the tag-assisted protein purification techniques: Applications in the pharmaceutical industry. Biotechnology Advances, 2020, 45, 107653.	6.0	30
942	Purification of Polyhistidine-Tagged Proteins by Immobilized Metal Affinity Chromatography. Cold Spring Harbor Protocols, 2020, 2020, pdb.prot102194.	0.2	13
943	Positive Selection of Specific Antibodies Produced against Fusion Proteins. Methods and Protocols, 2020, 3, 37.	0.9	0
945	Ultrafast in-gel detection by fluorescent super-chelator probes with HisQuick-PAGE. Communications Biology, 2020, 3, 138.	2.0	6
946	Immobilization of Growth Factors for Cell Therapy Manufacturing. Frontiers in Bioengineering and Biotechnology, 2020, 8, 620.	2.0	23
947	Membrane and Bioseparation. , 0, , .		3

#	Article	IF	CITATIONS
948	Detection of the Ovarian Cancer Biomarker Lysophosphatidic Acid in Serum. Biosensors, 2020, 10, 13.	2.3	17
949	Nano theranostics platforms that utilize proteins. Coordination Chemistry Reviews, 2020, 412, 213258.	9.5	25
950	Novel short peptide tag from a bacterial toxin for versatile applications. Journal of Immunological Methods, 2020, 479, 112750.	0.6	3
951	Engineering Xaa-Pro dipeptidyl aminopeptidase for specific cleavage of glucagon and glucagon-like peptide 1 from fusion proteins. Protein Expression and Purification, 2020, 170, 105590.	0.6	0
952	Post-translational modifications of Drosophila melanogaster HOX protein, Sex combs reduced. PLoS ONE, 2020, 15, e0227642.	1.1	1
953	Preparation of affinity membranes using polymer phase separation and azido-containing surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125802.	2.3	6
954	DNA origami-based protein networks: from basic construction to emerging applications. Chemical Society Reviews, 2021, 50, 1846-1873.	18.7	51
955	Semiflexible polymer scaffolds: an overview of conjugation strategies. Polymer Chemistry, 2021, 12, 1362-1392.	1.9	13
956	Application in nutrition: mineral binding. , 2021, , 455-494.		1
957	Confining Chainmailâ€Bearing Ni Nanoparticles in Nâ€doped Carbon Nanotubes for Robust and Efficient Electroreduction of CO <sub>2</sub> . ChemSusChem, 2021, 14, 1140-1154.	3.6	27
958	Strategies for Siteâ€Specific Labeling of Receptor Proteins on the Surfaces of Living Cells by Using Genetically Encoded Peptide Tags. ChemBioChem, 2021, 22, 1717-1732.	1.3	14
960	Temporal analysis of T-cell receptor-imposed forces via quantitative single molecule FRET measurements. Nature Communications, 2021, 12, 2502.	5.8	50
961	Protein Engineering Strategies for Improved Pharmacokinetics. Advanced Functional Materials, 2021, 31, 2101633.	7.8	28
962	The nanoscale molecular morphology of docked exocytic dense-core vesicles in neuroendocrine cells. Nature Communications, 2021, 12, 3970.	5.8	12
963	Building protein networks in synthetic systems from the bottom-up. Biotechnology Advances, 2021, 49, 107753.	6.0	9
964	Hyaluronic acid-based supramolecular hydrogels for biomedical applications. Multifunctional Materials, 2021, 4, 032001.	2.4	25
965	Database Study on the Expression and Purification of Membrane Proteins. Protein and Peptide Letters, 2021, 28, 972-982.	0.4	4
966	Supported lipid bilayer coatings: Fabrication, bioconjugation, and diagnostic applications. Applied Materials Today, 2021, 25, 101183.	2.3	13

#	Article	IF	CITATIONS
967	Preparation of Protein with Histidine Tag for Amine Coupling. , 2021, , 11-21.		0
968	Evaluation of the Photosynthetic Reaction Center Protein for Potential Use as a Bioelectronic Circuit Element. Biotechnology Progress, 2007, 23, 985-989.	1.3	22
969	Purification of Antibodies by Chromatographic Methods. , 2004, , 133-168.		3
970	Dissecting the L Chains of Clostridial Neurotoxins. , 1993, , 361-375.		2
971	Phosphopeptide Enrichment by Immobilized Metal Affinity Chromatography. Methods in Molecular Biology, 2016, 1355, 123-133.	0.4	39
972	Affinity-Based Separation: An Overview. , 2002, , 1-15.		3
973	N-TERMINAL MODIFICATION OF MALARIAL ANTIGENS FROM E. coli. , 1993, , 83-90.		1
974	PHYSICAL AND GENETIC MAPPING. , 1995, , 133-157.		3
975	Hydroxyapatite-based immobilized metal affinity adsorbents for protein purification. Journal of Chromatography A, 2004, 1048, 31-39.	1.8	16
976	Localization of the affinity peptide-substrate inactivator site on recombinant vitamin K-dependent carboxylase Journal of Biological Chemistry, 1994, 269, 21364-21370.	1.6	47
977	Cloning and expression of cyclosporin A- and FK506-sensitive nuclear factor of activated T-cells: NF45 and NF90 Journal of Biological Chemistry, 1994, 269, 20691-20699.	1.6	170
978	The endoplasmic reticulum calcium-binding protein of 55 kDa is a novel EF-hand protein retained in the endoplasmic reticulum by a carboxyl-terminal His-Asp-Glu-Leu motif Journal of Biological Chemistry, 1994, 269, 19142-19150.	1.6	<b>7</b> 5
979	Alternative modes of polymerization distinguish the subunits of equine infectious anemia virus reverse transcriptase Journal of Biological Chemistry, 1994, 269, 8541-8548.	1.6	31
980	Expression, purification, crystallization, and preliminary x-ray analysis of casein kinase-1 from Schizosaccharomyces pombe Journal of Biological Chemistry, 1994, 269, 7304-7309.	1.6	56
981	Modulation of HIV-1 reverse transcriptase function in "selectively deleted―p66/p51 heterodimers Journal of Biological Chemistry, 1994, 269, 1388-1393.	1.6	53
982	Identification of specific amphipathic alpha-helical sequence of human apolipoprotein A-IV involved in lecithin:cholesterol acyltransferase activation Journal of Biological Chemistry, 1994, 269, 29883-29890.	1.6	35
983	Yeast TFIIE. Cloning, expression, and homology to vertebrate proteins Journal of Biological Chemistry, 1994, 269, 27549-27553.	1.6	49
984	Expression and characterization of recombinant human eosinophil-derived neurotoxin and eosinophil-derived neurotoxin-anti-transferrin receptor sFv Journal of Biological Chemistry, 1994, 269, 26739-26745.	1.6	67

#	Article	IF	CITATIONS
985	Cloning, overexpression, and genomic mapping of the 14-kDa subunit of human replication protein A Journal of Biological Chemistry, 1993, 268, 6131-6138.	1.6	42
986	Interchangeable associations of calcineurin regulatory subunit isoforms with mammalian and fungal catalytic subunits Journal of Biological Chemistry, 1993, 268, 6554-6559.	1.6	25
987	Regulation and properties of extracellular signal-regulated protein kinases $1\mathrm{and}~2$ in vitro Journal of Biological Chemistry, $1993, 268, 5097-5106.$	1.6	460
988	Exogenous, but not endogenous, glucocorticoid receptor induces glutamine synthetase gene expression in early stage embryonic retina Journal of Biological Chemistry, 1993, 268, 2850-2856.	1.6	16
989	Purification and characterization of the SRS2 DNA helicase of the yeast Saccharomyces cerevisiae Journal of Biological Chemistry, 1993, 268, 1252-1259.	1.6	142
990	Regulation of purified type I and type II adenylylcyclases by G protein beta gamma subunits Journal of Biological Chemistry, 1993, 268, 9-12.	1.6	263
991	Fluorimetric analysis of recombinant p15 HIV-1 ribonuclease H. Journal of Biological Chemistry, 1993, 268, 14743-14749.	1.6	15
992	Rifampicin region revisited. New rifampicin-resistant and streptolydigin-resistant mutants in the beta subunit of Escherichia coli RNA polymerase. Journal of Biological Chemistry, 1993, 268, 14820-14825.	1.6	187
993	A 14-kDa Schistosoma mansoni polypeptide is homologous to a gene family of fatty acid binding proteins. Journal of Biological Chemistry, 1991, 266, 8447-8454.	1.6	143
994	A 25-kDa stretch of the extracellular domain of the human interferon gamma receptor is required for full ligand binding capacity. Journal of Biological Chemistry, 1991, 266, 14970-14977.	1.6	20
995	Purification and biochemical characterization of a soluble human interferon gamma receptor expressed in Escherichia coli Journal of Biological Chemistry, 1990, 265, 13268-13275.	1.6	52
996	Nuclease footprinting of human immunodeficiency virus reverse transcriptase/tRNA(Lys-3) complexes. Journal of Biological Chemistry, 1993, 268, 13617-13624.	1.6	47
997	The N-terminal domain of the insertion sequence 30 transposase interacts specifically with the terminal inverted repeats of the element Journal of Biological Chemistry, 1990, 265, 3757-3762.	1.6	41
998	Interaction of tRNA(Lys-3) with multiple forms of human immunodeficiency virus reverse transcriptase Journal of Biological Chemistry, 1992, 267, 15952-15957.	1.6	32
999	Purification and characterization of recombinant squalene epoxidase. Journal of Lipid Research, 1995, 36, 1489-1497.	2.0	45
1000	Evaluation of the Photosynthetic Reaction Center Protein for Potential Use as a Bioelectronic Circuit Element. Biotechnology Progress, 2007, 23, 985-989.	1.3	10
1001	Bacterial lactoferrin-binding protein A binds to both domains of the human lactoferrin C-lobe. Microbiology (United Kingdom), 2003, 149, 1729-1737.	0.7	19
1004	Identification of Protein-Protein Interactions with Glutathione-S-Transferase (GST) Fusion Proteins. Cold Spring Harbor Protocols, 2007, 2007, pdb.top11-pdb.top11.	0.2	20

#	Article	IF	CITATIONS
1005	Display of Expression Products of cDNA Libraries on Phage Surfaces. A Versatile Screening System for Selective Isolation of Genes by Specific Gene-Product/Ligand Interaction. FEBS Journal, 1994, 226, 53-58.	0.2	135
1006	Modified Listeria bacteriophage lysin genes (ply) allow efficient overexpression and one-step purification of biochemically active fusion proteins. Applied and Environmental Microbiology, 1996, 62, 3057-3060.	1.4	49
1007	Recombinant Toxoplasma gondii surface antigen 1 (P30) expressed in Escherichia coli is recognized by human Toxoplasma-specific immunoglobulin M ( $\lg$ M) and $\lg$ G antibodies. Vaccine Journal, 1996, 3, 355-357.	2.6	77
1008	The 86-kilodalton IE-2 protein of human cytomegalovirus is a sequence-specific DNA-binding protein that interacts directly with the negative autoregulatory response element located near the cap site of the IE-1/2 enhancer-promoter. Journal of Virology, 1993, 67, 323-331.	1.5	142
1009	Overexpression, purification, and late transcription factor activity of the 17-kilodalton protein encoded by the vaccinia virus A1L gene. Journal of Virology, 1993, 67, 5740-5748.	<b>1.</b> 5	41
1010	Reverse transcription in hepatitis B viruses is primed by a tyrosine residue of the polymerase. Journal of Virology, 1994, 68, 6-13.	1.5	245
1011	The Receptor Binding Site of Feline Leukemia Virus Surface Glycoprotein Is Distinct from the Site Involved in Virus Neutralization. Journal of Virology, 1998, 72, 3268-3277.	1.5	16
1012	Anatomy of an Unusual RNA Polymerase II Promoter Containing a Downstream TATA Element. Molecular and Cellular Biology, 1992, 12, 2884-2897.	1.1	19
1013	Protein Phosphatase 2C, Encoded by <i>ptc1 &lt; sup&gt; +  </i> , Is Important in the Heat Shock Response of <i>Schizosaccharomyces pombe </i> . Molecular and Cellular Biology, 1994, 14, 3742-3751.	1.1	32
1014	Strategies for achieving high-level expression of genes in Escherichia coli. Microbiological Reviews, 1996, 60, 512-538.	10.1	1,024
1015	A novel epitope on the C-terminus of SmD1 is recognized by the majority of sera from patients with systemic lupus erythematosus Journal of Clinical Investigation, 1998, 102, 754-763.	3.9	89
1016	Immobilized metal-ion affinity chromatography. , 2002, , .		2
1017	Fluorescent Labelling of Membrane Proteins in Living Cells. , 2006, , 199-210.		2
1018	A human nuclear protein with sequence homology to a family of early s phase proteins is required for entry into s phase and for cell division. Journal of Cell Science, 1994, 107, 253-265.	1.2	106
1019	Regulation of the CDK-related protein kinase PCTAIRE-1 and its possible role in neurite outgrowth in Neuro-2A cells. Journal of Cell Science, 2002, 115, 3479-3490.	1.2	67
1020	Regulation of Na+/H+ Antiporter in Trout Red Blood Cells. Journal of Experimental Biology, 1997, 200, 353-360.	0.8	32
1021	Cloning of an Intracellular D(â^')-3-Hydroxybutyrate-Oligomer Hydrolase Gene from Ralstonia eutropha H16 and Identification of the Active Site Serine Residue by Site-Directed Mutagenesis. Journal of Bioscience and Bioengineering, 2002, 94, 106-112.	1.1	37
1022	Sets of RNA Repeated Tags and Hybridization-Sensitive Fluorescent Probes for Distinct Images of RNA in a Living Cell. PLoS ONE, 2010, 5, e13003.	1.1	35

#	Article	IF	CITATIONS
1023	Identification of Protein Partners in Mycobacteria Using a Single-Step Affinity Purification Method. PLoS ONE, 2014, 9, e91380.	1.1	20
1024	Metal ion coordination interactions for biomolecule recognition: a review. Hittite Journal of Science & Engineering, 2015, 1, 21-26.	0.2	18
1025	Effects of the polyhistidine tag on kinetics and other properties of trehalose synthase from Deinococcus geothermalis Acta Biochimica Polonica, 2013, 60, .	0.3	24
1026	One-Step Protein Purification: Use of a Novel Epitope Tag for Highly Efficient Detection and Purification of Recombinant Proteins. Open Biotechnology Journal, 2011, 5, 1-6.	0.6	15
1027	Generation of CoilR Probe Peptides for VIPER-labeling of Cellular Proteins. Bio-protocol, 2019, 9, e3412.	0.2	4
1028	Efficient Plant Production of Recombinant NS1 Protein for Diagnosis of Dengue. Frontiers in Plant Science, 2020, 11, 581100.	1.7	5
1029	Coherent X-ray diffraction imaging and its applications in materials science and biology. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 218702.	0.2	6
1030	Determining Structures and Analyzing Cells. , 2001, , 95-159.		1
1031	High-Throughput Protein Expression, Purification, and Characterization Technologies., 2003,, 173-201.		1
1032	Pharmaceutical Overproduction and Purification of Biopharmaceuticals Through Hisâ€Tagged GUS Fusion Expressions in Chloroplasts. , 2004, , 1-7.		0
1034	Molecular Characterization of Soybean Mosaic Virus NIa Protein and its Processing Event in Bacterial Expression. American Journal of Biochemistry and Biotechnology, 2006, 2, 148-153.	0.1	0
1035	Immobilized Metal Ion Affinity Chromatography of Histidine-Tagged Fusion Proteins., 2008, 421, 137-150.		12
1036	10.2478/s11814-009-0276-6., 2011, 26, 1693.		0
1038	Functional Genomics of Plant Cell Wall Biosynthetic Enzymes: Type-II Membrane-Bound Glycosyltransferases. International Journal of Botany, 2012, 9, 1-17.	0.2	0
1039	Biotechnology. Advances in Experimental Medicine and Biology, 2014, 794, 95-140.	0.8	1
1040	Cloning Methods Using PCR. , 1992, , 208-215.		0
1041	Regulation of Progesterone Receptor Activity in Cell Culture Systems and Cell-Free Transcription. , 1994, , 267-297.		1
1043	Construction and Expression of L-Arabinose Isomerase (L-AI) in Cell- Surface of Pichia pastoris. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 649.	0.2	0

#	Article	IF	Citations
1047	Expression of Epsilon Toxin from Clostridium perfringens Type D in E. coli Rosetta (DE3): Study on a New Vaccine Production. Microbiology Research Journal International, 0, , 62-69.	0.2	0
1048	One-step UV-curable ligand copolymer coatings as non-migratory antioxidant packaging. Progress in Organic Coatings, 2022, 162, 106556.	1.9	3
1049	Purification of Turnip Mosaic Potyvirus Viral Protein Genome-Linked Proteinase Expressed in Escherichia coli and Development of a Quantitative Assay for Proteolytic Activity. FEBS Journal, 1995, 229, 107-112.	0.2	6
1050	Affinity Tags in Protein Purification and Peptide Enrichment: An Overview. Methods in Molecular Biology, 2021, 2178, 107-132.	0.4	14
1051	Method for purification of collagen: A systematic review. Asia-Pacific Journal of Molecular Biology and Biotechnology, 0, , 99-112.	0.2	0
1059	Thrombospondin-related adhesive protein (TRAP) of Plasmodium falciparum: expression during sporozoite ontogeny and binding to human hepatocytes. EMBO Journal, 1995, 14, 3883-94.	3.5	58
1060	An essential single domain response regulator required for normal cell division and differentiation in Caulobacter crescentus. EMBO Journal, 1995, 14, 3915-24.	3.5	68
1061	A prokaryotic potassium ion channel with two predicted transmembrane segments from Streptomyces lividans. EMBO Journal, 1995, 14, 5170-8.	3.5	117
1062	Inhibition of rab5 GTPase activity stimulates membrane fusion in endocytosis. EMBO Journal, 1994, 13, 1287-96.	3.5	448
1063	A mitochondrial homolog of bacterial GrpE interacts with mitochondrial hsp70 and is essential for viability. EMBO Journal, 1994, 13, 1998-2006.	3.5	52
1064	Genetic analysis of the leucine heptad repeats of Lac repressor: evidence for a 4-helical bundle. EMBO Journal, 1993, 12, 3227-36.	3.5	24
1065	Functional analysis of pre-mRNA splicing factor SF2/ASF structural domains. EMBO Journal, 1993, 12, 4715-26.	3.5	125
1066	Subunit-selective mutagenesis indicates minimal polymerase activity in heterodimer-associated p51 HIV-1 reverse transcriptase. EMBO Journal, 1991, 10, 3905-11.	3.5	88
1067	A highly specific system for efficient enzymatic removal of tags from recombinant proteins. Journal of Biomolecular Techniques, 2002, 13, 158-71.	0.8	15
1068	Automated high-throughput purification of 6xHis-tagged proteins. Journal of Biomolecular Techniques, 2002, 13, 131-42.	0.8	16
1069	A pair of ligation-independent Escherichia coli expression vectors for rapid addition of a polyhistidine affinity tag to the N- or C-termini of recombinant proteins. Journal of Biomolecular Techniques, 2009, 20, 241-8.	0.8	8
1070	Single Molecule Probing of Exocytotic Protein Interactions Using Force Spectroscopy. Croatica Chemica Acta, 2008, 81, 31.	0.1	13
1072	Production of Recombinant Streptavidin and Optimization of Refolding Conditions for Recovery of Biological Activity. Reports of Biochemistry and Molecular Biology, 2018, 6, 178-185.	0.5	7

#	Article	IF	CITATIONS
1073	The Protocatechuate 3,4-Dioxygenase Solubility (PCDS) Tag Enhances the Expression and Solubility of Heterogenous Proteins in Escherichia coli. Frontiers in Microbiology, 2021, 12, 779541.	1.5	1
1074	Metal–ligand complex copolymer as photocurable antimicrobial coatings for infection-resistant surface. Surfaces and Interfaces, 2022, 28, 101573.	1.5	1
1075	Data-rich process development of immobilized biocatalysts in flow. Reaction Chemistry and Engineering, 2022, 7, 866-876.	1.9	4
1076	Co-assembly of liposomes, Dendrimersomes, and Polymersomes with amphiphilic Janus dendrimers conjugated to Mono- and Tris-Nitrilotriacetic Acid (NTA, TrisNTA) enhances protein recruitment. Giant, 2022, 9, 100089.	2.5	17
1078	Design and Synthesis of Porphyrin–Nitrilotriacetic Acid Dyads with Potential Applications in Peptide Labeling through Metallochelate Coupling. ACS Omega, 2022, 7, 1803-1818.	1.6	5
1079	Vaccine building â€kit': combining peptide bricks to elicit a desired immune response without adding an adjuvant. Nanomedicine, 2022, 17, 461-475.	1.7	1
1080	Metal chelate-epoxy bifunctional membranes for selective adsorption and covalent immobilization of a His-tagged protein. Journal of Bioscience and Bioengineering, 2022, 133, 258-264.	1.1	7
1081	Emerging Nanoporous Materials for Biomolecule Separation. Advanced Functional Materials, 2022, 32,	7.8	11
1082	CHAPTER 4. Nickel Binding Sites – Coordination Modes and Thermodynamics. 2-Oxoglutarate-Dependent Oxygenases, 0, , 43-59.	0.8	0
1087	Controllable protein network based on DNAâ€origami and biomedical applications. , 2022, 1, .		1
1088	Metal-Chelating Peptides Separation Using Immobilized Metal Ion Affinity Chromatography: Experimental Methodology and Simulation. Separations, 2022, 9, 370.	1.1	10
1089	Lipopolysaccharide-dependent induction of IL-10 receptor expression on murine fibroblasts Journal of Immunology, 1994, 153, 3734-3744.	0.4	64
1090	Protein Nanoparticle-Mediated Delivery of Recombinant Influenza Hemagglutinin Enhances Immunogenicity and Breadth of the Antibody Response. ACS Infectious Diseases, 2023, 9, 239-252.	1.8	2
1091	A "Zero-Cost―Adsorbing Hydroxyapatite-Based Material from Amazon Fishery Waste for Water Remediation and Nutrient Release for Agriculture. Physchem, 2023, 3, 34-60.	0.5	0
1092	Labelâ€Free Fluorescence Turnâ€On Detection of Histidineâ€Tagged Proteins Based on Intramolecular Rigidification Induced Emission. ChemistrySelect, 2023, 8, .	0.7	0
1093	Fabrication of Fe3O4@SiO2@PDA-Ni2+ nanoparticles for one-step affinity immobilization and purification of His-tagged glucose dehydrogenase. Process Biochemistry, 2023, 128, 106-115.	1.8	2
1094	Endogenous Cell-Surface Receptor Modification by Metal Chelation-Assisted Pyridinium Oxime Catalyst. Organic Letters, 2023, 25, 2118-2122.	2.4	0
1095	Localizing Proteins on Single Trafficking Organelles in 3D with Semisynthetic Gold Labeling and Platinum Replica Electron Microscopy. Methods in Molecular Biology, 2022, , 167-180.	0.4	0

# ARTICLE IF CITATIONS

1100 Poly-Histidine-Tagged Protein Purification Using Immobilized Metal Affinity Chromatography (IMAC).

Methods in Molecular Biology, 2023, , 193-223.