

Chris Lowe

List of Publications by Year in descending order

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212
papers

12,261
citations

26610
56
h-index

30058
103
g-index

224
all docs

224
docs citations

224
times ranked

9697
citing authors

#	ARTICLE	IF	CITATIONS
1	Holographic Sensors. , 2022, , .		0
2	Density Modulation of Embedded Nanoparticles via Spatial, Temporal, and Chemical Control Elements. Advanced Materials, 2019, 31, e1901802.	11.1	18
3	Towards Closed-Loop Integration of Point-of-Care Technologies. Trends in Biotechnology, 2019, 37, 775-788.	4.9	22
4	Miniaturized pH Holographic Sensors for the Monitoring of <i>Lactobacillus casei</i> Growth in a Microfluidic Chip. ACS Sensors, 2019, 4, 456-463.	4.0	13
5	A transparent glucose-sensitive double polymerised holographic sensor. Sensors and Actuators B: Chemical, 2018, 267, 1-4.	4.0	13
6	A holographic sensor based on a biomimetic affinity ligand for the detection of cocaine. Sensors and Actuators B: Chemical, 2018, 270, 216-222.	4.0	20
7	Nanofabrication of Conductive Metallic Structures on Elastomeric Materials. Scientific Reports, 2018, 8, 6607.	1.6	8
8	Development and Application of Synthetic Affinity Ligands for the Purification of Ferritin-Based Influenza Antigens. Bioconjugate Chemistry, 2017, 28, 1931-1943.	1.8	7
9	Clinical Accuracy Study of an GDH-NAD Blood Glucose Monitoring System Using the Performance Criteria of ISO 15197:2013. Journal of Diabetes Science and Technology, 2017, 11, 444-445.	1.3	1
10	Continuous operation of an ultra-low-power microcontroller using glucose as the sole energy source. Biosensors and Bioelectronics, 2017, 93, 335-339.	5.3	21
11	Smartphone-based quantitative measurements on holographic sensors. PLoS ONE, 2017, 12, e0187467.	1.1	13
12	A benzoboroxole-based affinity ligand for glycoprotein purification at physiological pH. Journal of Molecular Recognition, 2016, 29, 232-238.	1.1	7
13	Mimicking nature: Phosphopeptide enrichment using combinatorial libraries of affinity ligands. Journal of Chromatography A, 2016, 1457, 76-87.	1.8	10
14	A carbohydrate-binding affinity ligand for the specific enrichment of glycoproteins. Journal of Chromatography A, 2016, 1444, 8-20.	1.8	14
15	Tryptophan tags and de novo designed complementary affinity ligands for the expression and purification of recombinant proteins. Journal of Chromatography A, 2016, 1472, 55-65.	1.8	11
16	A near infrared holographic glucose sensor. Biosensors and Bioelectronics, 2015, 68, 371-381.	5.3	31
17	Klaus Mosbach tribute. Biotechnology and Bioengineering, 2015, 112, 645-647.	1.7	0
18	Mild and cost-effective green fluorescent protein purification employing small synthetic ligands. Journal of Chromatography A, 2015, 1418, 83-93.	1.8	12

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19	Contact Lens Sensors in Ocular Diagnostics. <i>Advanced Healthcare Materials</i> , 2015, 4, 792-810.	3.9	361
20	Mechanism of multiple grating formation in high-energy recording of holographic sensors. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	21
21	Challenges and opportunities in the purification of recombinant tagged proteins. <i>Biotechnology Advances</i> , 2014, 32, 366-381.	6.0	121
22	Printable Surface Holograms via Laser Ablation. <i>ACS Photonics</i> , 2014, 1, 489-495.	3.2	59
23	Reusable, Robust, and Accurate Laser-Generated Photonic Nanosensor. <i>Nano Letters</i> , 2014, 14, 3587-3593.	4.5	103
24	A smartphone algorithm with inter-phone repeatability for the analysis of colorimetric tests. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 156-160.	4.0	244
25	Lightâ€Directed Writing of Chemically Tunable Narrowâ€Band Holographic Sensors. <i>Advanced Optical Materials</i> , 2014, 2, 250-254.	3.6	110
26	Holographic Sensors: Three-Dimensional Analyte-Sensitive Nanostructures and Their Applications. <i>Chemical Reviews</i> , 2014, 114, 10654-10696.	23.0	166
27	The regulation of mobile medical applications. <i>Lab on A Chip</i> , 2014, 14, 833.	3.1	86
28	Affinity ligands for glycoprotein purification based on the multi-component Ugi reaction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 171-180.	1.2	16
29	Computational modelling and characterisation of nanoparticle-based tuneable photonic crystal sensors. <i>RSC Advances</i> , 2014, 4, 10454-10461.	1.7	50
30	Spore Germination Mediated by <i>Bacillus megaterium</i> QM B1551 SleL and YpeB. <i>Journal of Bacteriology</i> , 2014, 196, 1045-1054.	1.0	12
31	A Tailorâ€Made â€Tagâ€Receptorâ€Affinity Pair for the Purification of Fusion Proteins. <i>ChemBioChem</i> , 2014, 15, 1423-1435.	1.3	14
32	The durability of clear polyurethane coil coatings studied by FTIR peak fitting. <i>Polymer Degradation and Stability</i> , 2013, 98, 527-534.	2.7	58
33	Investigating the Functional Hierarchy of <i>Bacillus megaterium</i> PV361 Spore Germinant Receptors. <i>Journal of Bacteriology</i> , 2013, 195, 3045-3053.	1.0	23
34	The depth profiling of TiO ₂ pigmented coil coatings using step scan phase modulation photoacoustic FTIR. <i>Progress in Organic Coatings</i> , 2013, 76, 131-136.	1.9	16
35	Design, synthesis, and assessment of a de novo affinity adsorbent for the purification of recombinant human erythropoietin. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3063-3069.	1.7	20
36	Paper-based microfluidic point-of-care diagnostic devices. <i>Lab on A Chip</i> , 2013, 13, 2210.	3.1	1,615

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37	A biomimetic Protein G affinity adsorbent: an Ugi ligand for immunoglobulins and Fab fragments based on the third IgG-binding domain of Protein G. <i>Journal of Molecular Recognition</i> , 2013, 26, 190-200.	1.1	40
38	An acoustic dielectric and mechanical spectrometer. <i>Analyst</i> , The, 2012, 137, 2846.	1.7	2
39	Failure of a Waterborne Primer Applied to Zinc Coated Steel. <i>Surface and Interface Analysis</i> , 2012, 44, 1054-1058.	0.8	6
40	A synthetic Protein G adsorbent based on the multi-component Ugi reaction for the purification of mammalian immunoglobulins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 898, 15-23.	1.2	36
41	An acoustic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2012, 35, 425-428.	5.3	25
42	Platforms for enrichment of phosphorylated proteins and peptides in proteomics. <i>Trends in Biotechnology</i> , 2012, 30, 100-110.	4.9	80
43	Biomimetic Affinity Ligands for Immunoglobulins Based on the Multicomponent Ugi Reaction. <i>Methods in Molecular Biology</i> , 2012, 800, 57-74.	0.4	13
44	The Future. <i>International Review of Neurobiology</i> , 2011, 101, 375-400.	0.9	6
45	A MARTINI Coarse-Grained Model of a Thermoset Polyester Coating. <i>Macromolecules</i> , 2011, 44, 6198-6208.	2.2	66
46	Probing biomolecular interaction forces using an anharmonic acoustic technique for selective detection of bacterial spores. <i>Biosensors and Bioelectronics</i> , 2011, 29, 145-150.	5.3	7
47	Label-free genetic and proteomic marker detection within a single flowcell assay. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1719-1722.	5.3	4
48	Mutational Analysis of <i>Bacillus megaterium</i> QM B1551 Cortex-Lytic Enzymes. <i>Journal of Bacteriology</i> , 2010, 192, 5378-5389.	1.0	21
49	Identification of a Receptor Subunit and Putative Ligand-Binding Residues Involved in the <i>Bacillus megaterium</i> QM B1551 Spore Germination Response to Glucose. <i>Journal of Bacteriology</i> , 2010, 192, 4317-4326.	1.0	32
50	Confocal Raman microscopy study of the melamine distribution in polyester-melamine coil coating. <i>Journal of Coatings Technology Research</i> , 2009, 6, 315-328.	1.2	19
51	Affinity ligands for immunoglobulins based on the multicomponent Ugi reaction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1440-1452.	1.2	54
52	Effect of enzymatic deimination on the conformation of recombinant prion protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1123-1133.	1.1	12
53	Holographic Enzyme Inhibition Assays for Drug Discovery. <i>Analytical Chemistry</i> , 2009, 81, 7579-7589.	3.2	21
54	Bioscience enterprise: Postgraduate education at Cambridge and Auckland. <i>Journal of Commercial Biotechnology</i> , 2009, 15, 257-271.	0.2	4

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55	Evidence for a cross-linking mechanism underlying glucose-induced contraction of phenylboronate hydrogel. <i>Journal of Molecular Recognition</i> , 2008, 21, 205-209.	1.1	22
56	Complexation of L-Lactate with Boronic Acids: A Solution and Holographic Analysis. <i>Chemistry - A European Journal</i> , 2008, 14, 4060-4067.	1.7	50
57	Towards the real-time monitoring of glucose in tear fluid: Holographic glucose sensors with reduced interference from lactate and pH. <i>Biosensors and Bioelectronics</i> , 2008, 23, 899-905.	5.3	90
58	Encoded and Multiplexed Surface Plasmon Resonance Sensor Platform. <i>Analytical Chemistry</i> , 2008, 80, 7862-7869.	3.2	17
59	Poly(dimethylsiloxane)-Coated Sensor Devices for the Formation of Supported Lipid Bilayers and the Subsequent Study of Membrane Interactions. <i>Langmuir</i> , 2008, 24, 11268-11275.	1.6	15
60	Functional Consequences of Amino Acid Substitutions to GerVB, a Component of the <i>Bacillus megaterium</i> Spore Germinant Receptor. <i>Journal of Bacteriology</i> , 2008, 190, 2014-2022.	1.0	30
61	Amino Acid Substitutions in Transmembrane Domains 9 and 10 of GerVB That Affect the Germination Properties of <i>Bacillus megaterium</i> Spores. <i>Journal of Bacteriology</i> , 2008, 190, 8009-8017.	1.0	19
62	Role of Chromosomal and Plasmid-Borne Receptor Homologues in the Response of <i>Bacillus megaterium</i> QM B1551 Spores to Germinants. <i>Journal of Bacteriology</i> , 2007, 189, 4375-4383.	1.0	50
63	Effects of post-translational modifications on prion protein aggregation and the propagation of scrapie-like characteristics in vitro. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 792-802.	1.1	22
64	ToF-SIMS depth profiling of a complex polymeric coating employing a C60 sputter source. <i>Surface and Interface Analysis</i> , 2007, 39, 467-475.	0.8	25
65	Holographic Lactate Sensor. <i>Analytical Chemistry</i> , 2006, 78, 5664-5670.	3.2	90
66	Surface and interface analysis of complex polymeric paint formulations. <i>Surface and Interface Analysis</i> , 2006, 38, 557-560.	0.8	10
67	Advances and applications of de novo designed affinity ligands in proteomics. <i>Biotechnology Advances</i> , 2006, 24, 17-26.	6.0	48
68	Designed Boronate Ligands for Glucose-Selective Holographic Sensors. <i>Chemistry - A European Journal</i> , 2006, 12, 8491-8497.	1.7	107
69	Magnetic acoustic resonance immunoassay (MARIA): a multifrequency acoustic approach for the non-labelled detection of biomolecular interactions. <i>Journal of Molecular Recognition</i> , 2006, 19, 379-385.	1.1	6
70	Analyte-responsive holograms for (bio)chemical analysis. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S619-S626.	0.7	12
71	Mutagenesis of solvent-exposed amino acids in <i>Photinus pyralis</i> luciferase improves thermostability and pH-tolerance. <i>Biochemical Journal</i> , 2006, 397, 305-312.	1.7	68
72	Noncontact excitation of quartz crystal resonator chips. <i>Applied Physics Letters</i> , 2006, 89, 083516.	1.5	4

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73	Commercialisation and spin-out activities of the Institute of Biotechnology. Journal of Commercial Biotechnology, 2005, 11, 305-317.	0.2	3
74	Holographic glucose sensors. Biosensors and Bioelectronics, 2005, 20, 1602-1610.	5.3	159
75	Divalent metal ion-sensitive holographic sensors. Analytica Chimica Acta, 2005, 528, 219-228.	2.6	44
76	An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography. Journal of Chromatography A, 2005, 1064, 157-167.	1.8	86
77	Characterisation of glycoprotein ligands synthesised using solid-phase combinatorial chemistry. Journal of Chromatography A, 2005, 1075, 95-102.	1.8	6
78	Intercoat adhesion failure in a multilayer organic coating system: An X-ray photoelectron spectroscopy study. Progress in Organic Coatings, 2005, 54, 20-27.	1.9	21
79	Migration and segregation phenomena of a silicone additive in a multilayer organic coating. Progress in Organic Coatings, 2005, 54, 104-112.	1.9	46
80	Affinity Labelling of Enzymes with Triazine Dyes. FEBS Journal, 2005, 128, 119-123.	0.2	50
81	Lessons from nature: On the molecular recognition elements of the phosphoprotein binding-domains. Biotechnology and Bioengineering, 2005, 91, 546-555.	1.7	29
82	Synthesis and screening of a rationally designed combinatorial library of affinity ligands mimicking protein L from <i>Peptostreptococcus magnus</i> . Journal of Molecular Recognition, 2005, 18, 213-224.	1.1	51
83	Antibodies and Genetically Engineered Related Molecules: Production and Purification. Biotechnology Progress, 2004, 20, 639-654.	1.3	302
84	A new method for the screening of solid-phase combinatorial libraries for affinity chromatography. Journal of Molecular Recognition, 2004, 17, 262-267.	1.1	27
85	Optimisation of polymeric surface pre-treatment to prevent bacterial biofilm formation for use in microfluidics. Journal of Molecular Recognition, 2004, 17, 180-185.	1.1	15
86	An artificial receptor for glycoproteins. Journal of Molecular Recognition, 2004, 17, 218-235.	1.1	34
87	The design, synthesis and evaluation of affinity ligands for prion proteins. Journal of Molecular Recognition, 2004, 17, 248-261.	1.1	14
88	Foreword: Affinity Interactions 2004. Journal of Molecular Recognition, 2004, 17, 149-150.	1.1	0
89	Holographic sensors for the determination of ionic strength. Analytica Chimica Acta, 2004, 527, 13-20.	2.6	34
90	Metabolite-Sensitive Holographic Biosensors. Analytical Chemistry, 2004, 76, 1518-1523.	3.2	53

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91	Glucose-Sensitive Holographic Sensors for Monitoring Bacterial Growth. <i>Analytical Chemistry</i> , 2004, 76, 5748-5755.	3.2	168
92	Synthesis of novel rigid triazine-based calix[6]arenes. <i>Tetrahedron Letters</i> , 2003, 44, 1359-1362.	0.7	26
93	Imaging surface plasmon resonance system for screening affinity ligands. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 229-251.	1.2	35
94	pH-Sensitive Holographic Sensors. <i>Analytical Chemistry</i> , 2003, 75, 4423-4431.	3.2	157
95	Detection of acoustic solitary waves in nonlinear lithium niobate crystals. <i>Applied Physics Letters</i> , 2003, 82, 2733-2735.	1.5	2
96	Electromagnetic excitation of high frequency acoustic waves and detection in the liquid phase. <i>Analyst, The</i> , 2003, 128, 1048.	1.7	45
97	Metal Ion-Sensitive Holographic Sensors. <i>Analytical Chemistry</i> , 2002, 74, 3649-3657.	3.2	87
98	High-resolution XPS study of crosslinking and segregation phenomena in hexamethoxymethyl melamine-polyester resins. <i>Surface and Interface Analysis</i> , 2002, 34, 570-574.	0.8	24
99	Rational combinatorial chemistry-based selection, synthesis and evaluation of an affinity adsorbent for recombinant human clotting factor VII. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 774, 1-15.	1.2	35
100	New developments in affinity chromatography with potential application in the production of biopharmaceuticals. <i>Journal of Proteomics</i> , 2001, 49, 561-574.	2.4	152
101	Gigahertz surface acoustic wave probe for chemical analysis. <i>Analyst, The</i> , 2001, 126, 1619-1624.	1.7	12
102	Combinatorial approaches to affinity chromatography. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 248-256.	2.8	121
103	A Strategy for Chemical Sensing Based on Frequency Tunable Acoustic Devices. <i>Analytical Chemistry</i> , 2001, 73, 1577-1586.	3.2	16
104	C-Terminal Labeling of Immunoglobulin G with a Cysteine Derivative by Carboxypeptidase Y Catalyzed Transpeptidation. <i>Analytical Biochemistry</i> , 2000, 285, 127-134.	1.1	5
105	Design, synthesis and evaluation of biomimetic affinity ligands for elastases. <i>Journal of Molecular Recognition</i> , 2000, 13, 370-381.	1.1	38
106	Surface characterisation of components used in coil coating primers. <i>International Journal of Adhesion and Adhesives</i> , 2000, 20, 1-10.	1.4	22
107	A stepwise synthesis of triazine-based macrocyclic scaffolds. <i>Tetrahedron Letters</i> , 2000, 41, 1837-1840.	0.7	21
108	Synthesis and evaluation of affinity adsorbents for glycoproteins: an artificial lectin. <i>Biomedical Applications</i> , 2000, 746, 265-281.	1.7	52

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109	Affinity chromatography on immobilized biomimetic ligands. Biomedical Applications, 2000, 740, 1-15.	1.7	156
110	New strategy for the design of ligands for the purification of pharmaceutical proteins by affinity chromatography. Biomedical Applications, 2000, 740, 17-33.	1.7	77
111	Cloning, sequencing and expression in <i>Escherichia coli</i> of the primary alcohol dehydrogenase gene from <i>Thermoanaerobacter ethanolicus</i> JW200. FEMS Microbiology Letters, 2000, 190, 57-62.	0.7	24
112	Nanobiotechnology: the fabrication and applications of chemical and biological nanostructures. Current Opinion in Structural Biology, 2000, 10, 428-434.	2.6	146
113	Modelling of the mass sensitivity of the Love wave device in the presence of a viscous liquid. Journal Physics D: Applied Physics, 2000, 33, 3053-3059.	1.3	47
114	Surface energy and the response of transverse acoustic wave devices in liquids. Analyst, The, 2000, 125, 1525-1528.	1.7	10
115	Chemoselective biosensors. Current Opinion in Chemical Biology, 1999, 3, 106-111.	2.8	33
116	An optical biosensor for monitoring recombinant proteins in process media. Biosensors and Bioelectronics, 1999, 14, 481-493.	5.3	29
117	New enzyme sensors for morphine and codeine based on morphine dehydrogenase and laccase. Fresenius' Journal of Analytical Chemistry, 1999, 364, 179-183.	1.5	67
118	The interactions of artificial coenzymes with alcohol dehydrogenase and other NAD(P)(H) dependent enzymes. Journal of Molecular Catalysis B: Enzymatic, 1999, 6, 111-123.	1.8	12
119	Synthesis and properties of new coenzyme mimics based on the artificial coenzyme CL4. , 1999, 12, 45-56.		10
120	Design, synthesis and characterisation of affinity ligands for glycoproteins. Journal of Molecular Recognition, 1999, 12, 57-66.	1.1	49
121	A strategy for the generation of biomimetic ligands for affinity chromatography. Combinatorial synthesis and biological evaluation of an IgG binding ligand. Journal of Molecular Recognition, 1999, 12, 67-75.	1.1	93
122	A Holographic Alcohol Sensor. Analytical Chemistry, 1999, 71, 3390-3396.	3.2	70
123	HOLOGRAPHIC BIOSENSORS. Biochemical Society Transactions, 1999, 27, A28-A28.	1.6	0
124	A strategy for the generation of biomimetic ligands for affinity chromatography. Combinatorial synthesis and biological evaluation of an IgG binding ligand. , 1999, 12, 67.		1
125	Design, synthesis, and application of a Protein A mimetic. Nature Biotechnology, 1998, 16, 190-195.	9.4	299
126	A holographic sensor based on a rationally designed synthetic polymer. , 1998, 11, 168-174.		35

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127	Covalent coupling of immunoglobulin G to a poly(vinyl)alcohol-poly(acrylic acid) graft polymer as a method for fabricating the interfacial-recognition layer of a surface plasmon resonance immunosensor. Biosensors and Bioelectronics, 1998, 13, 383-396.	5.3	23
128	Covalent coupling of immunoglobulin G to self-assembled monolayers as a method for immobilizing the interfacial-recognition layer of a surface plasmon resonance immunosensor. Biosensors and Bioelectronics, 1998, 13, 1213-1225.	5.3	102
129	Noncontact excitation of high Q acoustic resonances in glass plates. Applied Physics Letters, 1998, 73, 447-449.	1.5	21
130	Characterisation of the artificial coenzyme CL4. Journal of Molecular Catalysis B: Enzymatic, 1997, 3, 239-252.	1.8	9
131	An enzymatically active artificial redox coenzyme based on a synthetic dye template. Enzyme and Microbial Technology, 1997, 20, 2-11.	1.6	15
132	Synthesis and properties of a naphthalene-containing artificial redox coenzyme. Enzyme and Microbial Technology, 1997, 20, 165-173.	1.6	10
133	Synthesis and properties of new coenzyme mimics based on the artificial coenzyme Blue N-3. Enzyme and Microbial Technology, 1997, 21, 327-334.	1.6	7
134	The Use of a Novel Recombinant Heroin Esterase in the Development of an Illicit Drugs Biosensor. Annals of the New York Academy of Sciences, 1996, 799, 90-96.	1.8	5
135	The Use of Recombinant DNA Technology in the Design of a Highly Specific Heroin Sensor. Annals of the New York Academy of Sciences, 1996, 782, 534-543.	1.8	10
136	Holographic Sensor for Water in Solvents. Analytical Chemistry, 1996, 68, 1089-1094.	3.2	67
137	Affinity Chromatography and Related Techniques: Perspectives and Trends. Advances in Molecular and Cell Biology, 1996, , 513-522.	0.1	6
138	Bioluminescent Assay for Heroin and Its Metabolites. Analytical Chemistry, 1996, 68, 1877-1882.	3.2	23
139	Improved thermostability of the North American firefly luciferase: saturation mutagenesis at position 354. Biochemical Journal, 1996, 319, 343-350.	1.7	113
140	AFM Studies of Protein Adsorption. Journal of Colloid and Interface Science, 1996, 182, 586-601.	5.0	73
141	An artificial redox coenzyme based on a triazine dye template. Enzyme and Microbial Technology, 1996, 18, 570-580.	1.6	14
142	Immunosensors. Current Opinion in Biotechnology, 1996, 7, 66-71.	3.3	79
143	Progress in the application of scanning probe microscopy to biology. Current Opinion in Biotechnology, 1996, 7, 78-84.	3.3	25
144	Affinity Labeling of Recombinant Ricin A Chain with Procion Blue MX-R. FEBS Journal, 1995, 233, 880-885.	0.2	3

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145	Expanded bed affinity chromatography of dehydrogenases from bakers' yeast using dye-ligand perfluoropolymer supports. <i>Biotechnology and Bioengineering</i> , 1995, 48, 341-354.	1.7	60
146	A scanning tunnelling microscopic study of covalent immobilization of immunoglobulin G on gold: Effect of the bias voltage on topography. <i>Micron</i> , 1995, 26, 121-132.	1.1	8
147	A scanning tunnelling microscopic study of site-specifically immobilized immunoglobulin G on gold. <i>Micron</i> , 1995, 26, 311-315.	1.1	7
148	A Holographic Sensor for Proteases. <i>Analytical Chemistry</i> , 1995, 67, 4229-4233.	3.2	59
149	Novel affinity separations based on perfluorocarbon emulsions. <i>Journal of Chromatography A</i> , 1994, 659, 275-287.	1.8	42
150	AFM Studies of Protein Adsorption. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 102-108.	5.0	96
151	Purification of recombinant ricin A chain with immobilised triazine dyes. <i>Journal of Chromatography A</i> , 1994, 677, 289-299.	1.8	13
152	Physical adsorption of immunoglobulin G on gold studied by scanning tunnelling microscopy. <i>International Journal of Biological Macromolecules</i> , 1994, 16, 87-91.	3.6	7
153	Optical Biosensor for Monitoring Microbial Cells. <i>Analytical Chemistry</i> , 1994, 66, 2465-2470.	3.2	145
154	The Resonant Mirror: A Versatile Tool for the Study of Biomolecular Interactions. <i>Techniques in Protein Chemistry</i> , 1994, 5, 285-292.	0.3	30
155	Design of novel cationic ligands for the purification of trypsin-like proteases by affinity chromatography. <i>Journal of Molecular Recognition</i> , 1993, 6, 31-40.	1.1	20
156	Novel affinity separations based on perfluorocarbon emulsions. <i>Journal of Chromatography A</i> , 1993, 629, 201-213.	1.8	22
157	Acoustic Love plate sensors: a theoretical model for the optimization of the surface mass sensitivity. <i>Sensors and Actuators B: Chemical</i> , 1993, 14, 635-637.	4.0	16
158	Acoustic Love plate sensors: comparison with other acoustic devices utilizing surface SH waves. <i>Sensors and Actuators B: Chemical</i> , 1993, 14, 638-639.	4.0	21
159	Covalent electropolymerization of glucose oxidase in polypyrrole. Evaluation of methods of pyrrole attachment to glucose oxidase on the performance of electropolymerized glucose sensors. <i>Analytical Chemistry</i> , 1993, 65, 2067-2071.	3.2	85
160	Covalent electropolymerization of glucose oxidase in polypyrrole. <i>Analytical Chemistry</i> , 1992, 64, 1541-1545.	3.2	102
161	A single mode fibre-optic evanescent wave biosensor. <i>Biosensors and Bioelectronics</i> , 1992, 7, 141-146.	5.3	19
162	Novel affinity separations based on perfluorocarbon emulsions. <i>Journal of Chromatography A</i> , 1992, 597, 189-196.	1.8	25

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163	Development of an enzyme-linked immunosorbent assay for C.I. Reactive Blue 2 and its application to a comparison of the stability and performance of a perfluorocarbon support with other immobilised C.I. Reactive Blue 2 affinity adsorbents. <i>Journal of Chromatography A</i> , 1992, 623, 1-14.	1.8	16
164	Transduction-based binding systems. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 343, 22-22.	1.5	0
165	Designer dyes: "biomimetic" ligands for the purification of pharmaceutical proteins by affinity chromatography. <i>Trends in Biotechnology</i> , 1992, 10, 442-448.	4.9	107
166	A Love plate biosensor utilising a polymer layer. <i>Sensors and Actuators B: Chemical</i> , 1992, 6, 131-137.	4.0	161
167	Design of novel affinity adsorbents for the purification of trypsin-like proteases. <i>Journal of Molecular Recognition</i> , 1992, 5, 55-68.	1.1	42
168	Purification and characterisation of an NAD ⁺ -dependent secondary alcohol dehydrogenase from <i>Pseudomonas maltophilia</i> MB11L. <i>FEMS Microbiology Letters</i> , 1992, 93, 49-55.	0.7	4
169	Monosized adsorbents for high-performance affinity chromatography. <i>Journal of Chromatography A</i> , 1991, 540, 103-111.	1.8	19
170	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1990, 508, 109-125.	1.8	36
171	Microbial degradation of the morphine alkaloids: identification of morphinone as an intermediate in the metabolism of morphine by <i>Pseudomonas putida</i> M10. <i>Archives of Microbiology</i> , 1990, 154, 465-470.	1.0	59
172	New developments in affinity chromatography. <i>Journal of Molecular Recognition</i> , 1990, 3, 117-122.	1.1	24
173	Affinity chromatography on novel perfluorocarbon supports. <i>Journal of Chromatography A</i> , 1990, 510, 177-187.	1.8	34
174	Biosensors. <i>Journal of Chromatography A</i> , 1990, 510, 347-354.	1.8	21
175	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1989, 473, 227-240.	1.8	72
176	Preparative affinity precipitation of L-lactate dehydrogenase. <i>Journal of Biotechnology</i> , 1989, 11, 267-274.	1.9	21
177	Enzymes that work. <i>Nature</i> , 1988, 335, 477-477.	13.7	0
178	Purification of proteins by aqueous two-phase partition in novel acrylic co-polymer systems. <i>Enzyme and Microbial Technology</i> , 1988, 10, 115-122.	1.6	46
179	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1988, 455, 201-216.	1.8	48
180	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1988, 435, 127-137.	1.8	69

#	ARTICLE	IF	CITATIONS
181	Immobilization of glucose oxidase in ferrocene-modified pyrrole polymers. Analytical Chemistry, 1988, 60, 2473-2478.	3.2	628
182	[31] Solid-phase optoelectronic biosensors. Methods in Enzymology, 1988, 137, 338-348.	0.4	6
183	Catalytic oxidation of reduced nicotinamide adenine dinucleotide at hexacyanoferrate-modified nickel electrodes. Analytical Chemistry, 1987, 59, 2111-2115.	3.2	112
184	A new rapid procedure for the preparation of plasmid DNA. Analytical Biochemistry, 1986, 152, 215-220.	1.1	19
185	Enzyme entrapment in electrically conducting polymers. Immobilisation of glucose oxidase in polypyrrole and its application in amperometric glucose sensors. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 1259.	1.0	508
186	Purification of homo- and hetero-oligonucleotides using high-performance charge-transfer chromatography. Journal of Chromatography A, 1986, 368, 363-369.	1.8	1
187	Design and application of bio-mimetic dyes in biotechnology. Biomedical Applications, 1986, 376, 121-130.	1.7	96
188	Affinity precipitation of lactate dehydrogenase with a triazine dye derivative: Selective precipitation of rabbit muscle lactate dehydrogenase with a procion blue H-B analog. Analytical Biochemistry, 1986, 158, 382-389.	1.1	51
189	What's new: Biosensors: Current applications and future potential. BioEssays, 1985, 3, 129-132.	1.2	12
190	Studies on the nature of transition-metal-ion-mediated binding of triazine dyes to enzymes. The interaction of Procion red MX-8B with carboxypeptidase G-2. FEBS Journal, 1984, 144, 135-142.	0.2	29
191	Preparative high-performance liquid affinity chromatography. Journal of Chromatography A, 1983, 266, 151-156.	1.8	41
192	Metal ion-promoted binding of proteins to immobilized triazine dye affinity adsorbents. BBA - Proteins and Proteomics, 1982, 700, 90-100.	2.1	82
193	High-performance liquid charge-transfer chromatography. Journal of Chromatography A, 1982, 248, 271-279.	1.8	15
194	High-performance liquid affinity chromatography of proteins on Cibacron Blue F3G-A bonded silica. Journal of Chromatography A, 1981, 215, 303-316.	1.8	103
195	High-performance liquid affinity chromatography of enzymes on silica-immobilised triazine dyes. Journal of Chromatography A, 1981, 216, 175-190.	1.8	85
196	Affinity chromatography on immobilised triazine dyes. Studies on the interaction with multinucleotide-dependent enzymes. Biochimica Et Biophysica Acta - Biomembranes, 1981, 659, 86-98.	1.4	61
197	Affinity Chromatography on Immobilised Nucleotides. The Synthesis, Specificity and Applications of Immobilised Inosine 5'-Monophosphate. FEBS Journal, 1980, 110, 279-288.	0.2	15
198	Immobilised coenzymes. Trends in Biochemical Sciences, 1978, 3, 134-137.	3.7	13

#	ARTICLE	IF	CITATIONS
199	The Synthesis of Several 8-Substituted Derivatives of Adenosine 5'-Monophosphate to Study the Effect of the Nature of the Spacer Arm in Affinity Chromatography. FEBS Journal, 1977, 73, 265-274.	0.2	44
200	Immobilised Lipoamide Dehydrogenase. 1. Preparation and Properties of the Enzyme Immobilised by Disulphide Interchange. FEBS Journal, 1977, 76, 391-399.	0.2	16
201	Immobilised Lipoamide Dehydrogenase. 2. Properties of the Enzyme Immobilised to Agarose through Spacer Molecules of Various Lengths. FEBS Journal, 1977, 76, 401-409.	0.2	18
202	Immobilised Lipoamide Dehydrogenase. 3. Preparation and Properties of an Immobilised Polythiolated Enzyme. FEBS Journal, 1977, 76, 411-417.	0.2	7
203	Biospecific Affinity Chromatography in Aqueous-Organic Cosolvent Mixtures. The Effect of Ethylene Glycol on the Binding of Lactate Dehydrogenase to an Immobilised-AMP Analogue. FEBS Journal, 1975, 52, 99-105.	0.2	28
204	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 1. A New Synthesis and Some Properties of an N6-Immobilised 5'-AMP. FEBS Journal, 1974, 41, 329-333.	0.2	65
205	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 2. Some Parameters Relating to the Selection and Concentration of the Immobilised Ligand. FEBS Journal, 1974, 41, 335-340.	0.2	73
206	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 3. The Binding of Glycerokinase and Lactate Dehydrogenase in Relation to Column Geometry and Dynamics. FEBS Journal, 1974, 41, 341-345.	0.2	27
207	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 4. Variation of the Binding of Dehydrogenases and Kinases with pH. FEBS Journal, 1974, 41, 347-351.	0.2	38
208	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 5. Some Application of the Influence of Temperature on the Binding of Dehydrogenases and Kinases. FEBS Journal, 1974, 41, 353-357.	0.2	39
209	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. Some Kinetic Parameters Involved in the Binding of Group-Specific Enzymes. FEBS Journal, 1974, 42, 1-6.	0.2	37
210	The Synthesis of Adenine-Substituted Derivatives of NADP ⁺ and Their Potential as Active Coenzymes and Affinity Adsorbents. FEBS Journal, 1974, 49, 511-520.	0.2	54
211	[17] N6-immobilized 5'-AMP and NAD ⁺ : Preparations and applications. Methods in Enzymology, 1974, 34, 242-253.	0.4	12
212	Some applications of insolubilised cofactors to the purification of pyridine nucleotide-dependent dehydrogenases. Biochemical and Biophysical Research Communications, 1972, 48, 1004-1010.	1.0	42