

# Chris Lowe

## List of Publications by Year in descending order

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212  
papers

12,261  
citations

30551

56  
h-index

35168

102  
g-index

224  
all docs

224  
docs citations

224  
times ranked

11049  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holographic Sensors. , 2022, , .		0
2	Density Modulation of Embedded Nanoparticles via Spatial, Temporal, and Chemical Control Elements. <i>Advanced Materials</i> , 2019, 31, e1901802.	11.1	18
3	Towards Closed-Loop Integration of Point-of-Care Technologies. <i>Trends in Biotechnology</i> , 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. <i>ACS Sensors</i> , 2019, 4, 456-463.	4.0	13
5	A transparent glucose-sensitive double polymerised holographic sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 1-4.	4.0	13
6	A holographic sensor based on a biomimetic affinity ligand for the detection of cocaine. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 216-222.	4.0	20
7	Nanofabrication of Conductive Metallic Structures on Elastomeric Materials. <i>Scientific Reports</i> , 2018, 8, 6607.	1.6	8
8	Development and Application of Synthetic Affinity Ligands for the Purification of Ferritin-Based Influenza Antigens. <i>Bioconjugate Chemistry</i> , 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. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 444-445.	1.3	1
10	Continuous operation of an ultra-low-power microcontroller using glucose as the sole energy source. <i>Biosensors and Bioelectronics</i> , 2017, 93, 335-339.	5.3	21
11	Smartphone-based quantitative measurements on holographic sensors. <i>PLoS ONE</i> , 2017, 12, e0187467.	1.1	13
12	A benzoboroxole-based affinity ligand for glycoprotein purification at physiological pH. <i>Journal of Molecular Recognition</i> , 2016, 29, 232-238.	1.1	7
13	Mimicking nature: Phosphopeptide enrichment using combinatorial libraries of affinity ligands. <i>Journal of Chromatography A</i> , 2016, 1457, 76-87.	1.8	10
14	A carbohydrate-binding affinity ligand for the specific enrichment of glycoproteins. <i>Journal of Chromatography A</i> , 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. <i>Journal of Chromatography A</i> , 2016, 1472, 55-65.	1.8	11
16	A near infrared holographic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2015, 68, 371-381.	5.3	31
17	Klaus Mosbach tribute. <i>Biotechnology and Bioengineering</i> , 2015, 112, 645-647.	1.7	0
18	Mild and cost-effective green fluorescent protein purification employing small synthetic ligands. <i>Journal of Chromatography A</i> , 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	Light-Directed Writing of Chemically Tunable Narrow-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 Tailor-Made Tag-Receptor-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 <sub>2</sub> 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, The</i> , 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. <i>Journal of Commercial Biotechnology</i> , 2005, 11, 305-317.	0.2	3
74	Holographic glucose sensors. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1602-1610.	5.3	159
75	Divalent metal ion-sensitive holographic sensors. <i>Analytica Chimica Acta</i> , 2005, 528, 219-228.	2.6	44
76	An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography. <i>Journal of Chromatography A</i> , 2005, 1064, 157-167.	1.8	86
77	Characterisation of glycoprotein ligands synthesised using solid-phase combinatorial chemistry. <i>Journal of Chromatography A</i> , 2005, 1075, 95-102.	1.8	6
78	Intercoat adhesion failure in a multilayer organic coating system: An X-ray photoelectron spectroscopy study. <i>Progress in Organic Coatings</i> , 2005, 54, 20-27.	1.9	21
79	Migration and segregation phenomena of a silicone additive in a multilayer organic coating. <i>Progress in Organic Coatings</i> , 2005, 54, 104-112.	1.9	46
80	Affinity Labelling of Enzymes with Triazine Dyes. <i>FEBS Journal</i> , 2005, 128, 119-123.	0.2	50
81	Lessons from nature: On the molecular recognition elements of the phosphoprotein binding-domains. <i>Biotechnology and Bioengineering</i> , 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> . <i>Journal of Molecular Recognition</i> , 2005, 18, 213-224.	1.1	51
83	Antibodies and Genetically Engineered Related Molecules: Production and Purification. <i>Biotechnology Progress</i> , 2004, 20, 639-654.	1.3	302
84	A new method for the screening of solid-phase combinatorial libraries for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2004, 17, 262-267.	1.1	27
85	Optimisation of polymeric surface pre-treatment to prevent bacterial biofilm formation for use in microfluidics. <i>Journal of Molecular Recognition</i> , 2004, 17, 180-185.	1.1	15
86	An artificial receptor for glycoproteins. <i>Journal of Molecular Recognition</i> , 2004, 17, 218-235.	1.1	34
87	The design, synthesis and evaluation of affinity ligands for prion proteins. <i>Journal of Molecular Recognition</i> , 2004, 17, 248-261.	1.1	14
88	Foreword: Affinity Interactions 2004. <i>Journal of Molecular Recognition</i> , 2004, 17, 149-150.	1.1	0
89	Holographic sensors for the determination of ionic strength. <i>Analytica Chimica Acta</i> , 2004, 527, 13-20.	2.6	34
90	Metabolite-Sensitive Holographic Biosensors. <i>Analytical Chemistry</i> , 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. <i>Biomedical Applications</i> , 2000, 740, 1-15.	1.7	156
110	New strategy for the design of ligands for the purification of pharmaceutical proteins by affinity chromatography. <i>Biomedical Applications</i> , 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. <i>FEMS Microbiology Letters</i> , 2000, 190, 57-62.	0.7	24
112	Nanobiotechnology: the fabrication and applications of chemical and biological nanostructures. <i>Current Opinion in Structural Biology</i> , 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. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 3053-3059.	1.3	47
114	Surface energy and the response of transverse acoustic wave devices in liquids. <i>Analyst, The</i> , 2000, 125, 1525-1528.	1.7	10
115	Chemoselective biosensors. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 106-111.	2.8	33
116	An optical biosensor for monitoring recombinant proteins in process media. <i>Biosensors and Bioelectronics</i> , 1999, 14, 481-493.	5.3	29
117	New enzyme sensors for morphine and codeine based on morphine dehydrogenase and laccase. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 179-183.	1.5	67
118	The interactions of artificial coenzymes with alcohol dehydrogenase and other NAD(P)(H) dependent enzymes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 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. <i>Journal of Molecular Recognition</i> , 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. , 1999, 12, 67-75.		93
122	A Holographic Alcohol Sensor. <i>Analytical Chemistry</i> , 1999, 71, 3390-3396.	3.2	70
123	HOLOGRAPHIC BIOSENSORS. <i>Biochemical Society Transactions</i> , 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. <i>Nature Biotechnology</i> , 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. <i>Biosensors and Bioelectronics</i> , 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. <i>Biosensors and Bioelectronics</i> , 1998, 13, 1213-1225.	5.3	102
129	Noncontact excitation of high Q acoustic resonances in glass plates. <i>Applied Physics Letters</i> , 1998, 73, 447-449.	1.5	21
130	Characterisation of the artificial coenzyme CL4. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1997, 3, 239-252.	1.8	9
131	An enzymatically active artificial redox coenzyme based on a synthetic dye template. <i>Enzyme and Microbial Technology</i> , 1997, 20, 2-11.	1.6	15
132	Synthesis and properties of a naphthalene-containing artificial redox coenzyme. <i>Enzyme and Microbial Technology</i> , 1997, 20, 165-173.	1.6	10
133	Synthesis and properties of new coenzyme mimics based on the artificial coenzyme Blue N-3. <i>Enzyme and Microbial Technology</i> , 1997, 21, 327-334.	1.6	7
134	The Use of a Novel Recombinant Heroin Esterase in the Development of an Illicit Drugs Biosensor. <i>Annals of the New York Academy of Sciences</i> , 1996, 799, 90-96.	1.8	5
135	The Use of Recombinant DNA Technology in the Design of a Highly Specific Heroin Sensor. <i>Annals of the New York Academy of Sciences</i> , 1996, 782, 534-543.	1.8	10
136	Holographic Sensor for Water in Solvents. <i>Analytical Chemistry</i> , 1996, 68, 1089-1094.	3.2	67
137	Affinity Chromatography and Related Techniques: Perspectives and Trends. <i>Advances in Molecular and Cell Biology</i> , 1996, , 513-522.	0.1	6
138	Bioluminescent Assay for Heroin and Its Metabolites. <i>Analytical Chemistry</i> , 1996, 68, 1877-1882.	3.2	23
139	Improved thermostability of the North American firefly luciferase: saturation mutagenesis at position 354. <i>Biochemical Journal</i> , 1996, 319, 343-350.	1.7	113
140	AFM Studies of Protein Adsorption. <i>Journal of Colloid and Interface Science</i> , 1996, 182, 586-601.	5.0	73
141	An artificial redox coenzyme based on a triazine dye template. <i>Enzyme and Microbial Technology</i> , 1996, 18, 570-580.	1.6	14
142	Immunosensors. <i>Current Opinion in Biotechnology</i> , 1996, 7, 66-71.	3.3	79
143	Progress in the application of scanning probe microscopy to biology. <i>Current Opinion in Biotechnology</i> , 1996, 7, 78-84.	3.3	25
144	Affinity Labeling of Recombinant Ricin A Chain with Procion Blue MX-R. <i>FEBS Journal</i> , 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
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168	Purification and characterisation of an NAD(+)-dependent secondary alcohol dehydrogenase from <i>Pseudomonas maltophilia</i> MB11L. <i>FEMS Microbiology Letters</i> , 1992, 72, 49-55.	0.7	4
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