

Chris Lowe

List of Publications by Year in descending order

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212
papers

12,261
citations

26630

56
h-index

30087

103
g-index

224
all docs

224
docs citations

224
times ranked

9697
citing authors

#	ARTICLE	IF	CITATIONS
1	Paper-based microfluidic point-of-care diagnostic devices. <i>Lab on A Chip</i> , 2013, 13, 2210.	6.0	1,615
2	Immobilization of glucose oxidase in ferrocene-modified pyrrole polymers. <i>Analytical Chemistry</i> , 1988, 60, 2473-2478.	6.5	628
3	Enzyme entrapment in electrically conducting polymers. Immobilisation of glucose oxidase in polypyrrole and its application in amperometric glucose sensors. <i>Journal of the Chemical Society Faraday Transactions 1</i> , 1986, 82, 1259.	1.0	508
4	Contact Lens Sensors in Ocular Diagnostics. <i>Advanced Healthcare Materials</i> , 2015, 4, 792-810.	7.6	361
5	Antibodies and Genetically Engineered Related Molecules: Production and Purification. <i>Biotechnology Progress</i> , 2004, 20, 639-654.	2.6	302
6	Design, synthesis, and application of a Protein A mimetic. <i>Nature Biotechnology</i> , 1998, 16, 190-195.	17.5	299
7	A smartphone algorithm with inter-phone repeatability for the analysis of colorimetric tests. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 156-160.	7.8	244
8	Glucose-Sensitive Holographic Sensors for Monitoring Bacterial Growth. <i>Analytical Chemistry</i> , 2004, 76, 5748-5755.	6.5	168
9	Holographic Sensors: Three-Dimensional Analyte-Sensitive Nanostructures and Their Applications. <i>Chemical Reviews</i> , 2014, 114, 10654-10696.	47.7	166
10	A Love plate biosensor utilising a polymer layer. <i>Sensors and Actuators B: Chemical</i> , 1992, 6, 131-137.	7.8	161
11	Holographic glucose sensors. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1602-1610.	10.1	159
12	pH-Sensitive Holographic Sensors. <i>Analytical Chemistry</i> , 2003, 75, 4423-4431.	6.5	157
13	Affinity chromatography on immobilized "biomimetic" ligands. <i>Biomedical Applications</i> , 2000, 740, 1-15.	1.7	156
14	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
15	Nanobiotechnology: the fabrication and applications of chemical and biological nanostructures. <i>Current Opinion in Structural Biology</i> , 2000, 10, 428-434.	5.7	146
16	Optical Biosensor for Monitoring Microbial Cells. <i>Analytical Chemistry</i> , 1994, 66, 2465-2470.	6.5	145
17	Combinatorial approaches to affinity chromatography. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 248-256.	6.1	121
18	Challenges and opportunities in the purification of recombinant tagged proteins. <i>Biotechnology Advances</i> , 2014, 32, 366-381.	11.7	121

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19	Improved thermostability of the North American firefly luciferase: saturation mutagenesis at position 354. <i>Biochemical Journal</i> , 1996, 319, 343-350.	3.7	113
20	Catalytic oxidation of reduced nicotinamide adenine dinucleotide at hexacyanoferrate-modified nickel electrodes. <i>Analytical Chemistry</i> , 1987, 59, 2111-2115.	6.5	112
21	Light-Directed Writing of Chemically Tunable Narrow-Band Holographic Sensors. <i>Advanced Optical Materials</i> , 2014, 2, 250-254.	7.3	110
22	Designer dyes: biomimetic ligands for the purification of pharmaceutical proteins by affinity chromatography. <i>Trends in Biotechnology</i> , 1992, 10, 442-448.	9.3	107
23	Designed Boronate Ligands for Glucose-Selective Holographic Sensors. <i>Chemistry - A European Journal</i> , 2006, 12, 8491-8497.	3.3	107
24	High-performance liquid affinity chromatography of proteins on Cibacron Blue F3G-A bonded silica. <i>Journal of Chromatography A</i> , 1981, 215, 303-316.	3.7	103
25	Reusable, Robust, and Accurate Laser-Generated Photonic Nanosensor. <i>Nano Letters</i> , 2014, 14, 3587-3593.	9.1	103
26	Covalent electropolymerization of glucose oxidase in polypyrrole. <i>Analytical Chemistry</i> , 1992, 64, 1541-1545.	6.5	102
27	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.	10.1	102
28	Design and application of bio-mimetic dyes in biotechnology. <i>Biomedical Applications</i> , 1986, 376, 121-130.	1.7	96
29	AFM Studies of Protein Adsorption. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 102-108.	9.4	96
30	A strategy for the generation of biomimetic ligands for affinity chromatography. Combinatorial synthesis and biological evaluation of an IgG binding ligand. <i>Journal of Molecular Recognition</i> , 1999, 12, 67-75.	2.1	93
31	Holographic Lactate Sensor. <i>Analytical Chemistry</i> , 2006, 78, 5664-5670.	6.5	90
32	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.	10.1	90
33	Metal Ion-Sensitive Holographic Sensors. <i>Analytical Chemistry</i> , 2002, 74, 3649-3657.	6.5	87
34	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.	3.7	86
35	The regulation of mobile medical applications. <i>Lab on A Chip</i> , 2014, 14, 833.	6.0	86
36	High-performance liquid affinity chromatography of enzymes on silica-immobilised triazine dyes. <i>Journal of Chromatography A</i> , 1981, 216, 175-190.	3.7	85

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37	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.	6.5	85
38	Metal ion-promoted binding of proteins to immobilized triazine dye affinity adsorbents. <i>BBA - Proteins and Proteomics</i> , 1982, 700, 90-100.	2.1	82
39	Platforms for enrichment of phosphorylated proteins and peptides in proteomics. <i>Trends in Biotechnology</i> , 2012, 30, 100-110.	9.3	80
40	Immunosensors. <i>Current Opinion in Biotechnology</i> , 1996, 7, 66-71.	6.6	79
41	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
42	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 2. Some Parameters Relating to the Selection and Concentration of the Immobilised Ligand. <i>FEBS Journal</i> , 1974, 41, 335-340.	0.2	73
43	AFM Studies of Protein Adsorption. <i>Journal of Colloid and Interface Science</i> , 1996, 182, 586-601.	9.4	73
44	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1989, 473, 227-240.	3.7	72
45	A Holographic Alcohol Sensor. <i>Analytical Chemistry</i> , 1999, 71, 3390-3396.	6.5	70
46	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1988, 435, 127-137.	3.7	69
47	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.	3.7	68
48	Holographic Sensor for Water in Solvents. <i>Analytical Chemistry</i> , 1996, 68, 1089-1094.	6.5	67
49	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
50	A MARTINI Coarse-Grained Model of a Thermoset Polyester Coating. <i>Macromolecules</i> , 2011, 44, 6198-6208.	4.8	66
51	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 1. A New Synthesis and Some Properties of an N6-Immobilised 5'-AMP. <i>FEBS Journal</i> , 1974, 41, 329-333.	0.2	65
52	Affinity chromatography on immobilised triazine dyes. Studies on the interaction with multinucleotide-dependent enzymes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 659, 86-98.	2.6	61
53	Expanded bed affinity chromatography of dehydrogenases from bakers' yeast using dye-ligand perfluoropolymer supports. <i>Biotechnology and Bioengineering</i> , 1995, 48, 341-354.	3.3	60
54	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.	2.2	59

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55	A Holographic Sensor for Proteases. <i>Analytical Chemistry</i> , 1995, 67, 4229-4233.	6.5	59
56	Printable Surface Holograms via Laser Ablation. <i>ACS Photonics</i> , 2014, 1, 489-495.	6.6	59
57	The durability of clear polyurethane coil coatings studied by FTIR peak fitting. <i>Polymer Degradation and Stability</i> , 2013, 98, 527-534.	5.8	58
58	The Synthesis of Adenine-Substituted Derivatives of NADP ⁺ and Their Potential as Active Coenzymes and Affinity Adsorbents. <i>FEBS Journal</i> , 1974, 49, 511-520.	0.2	54
59	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.	2.3	54
60	Metabolite-Sensitive Holographic Biosensors. <i>Analytical Chemistry</i> , 2004, 76, 1518-1523.	6.5	53
61	Synthesis and evaluation of affinity adsorbents for glycoproteins: an artificial lectin. <i>Biomedical Applications</i> , 2000, 746, 265-281.	1.7	52
62	Affinity precipitation of lactate dehydrogenase with a triazine dye derivative: Selective precipitation of rabbit muscle lactate dehydrogenase with a procion blue H-B analog. <i>Analytical Biochemistry</i> , 1986, 158, 382-389.	2.4	51
63	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.	2.1	51
64	Affinity Labelling of Enzymes with Triazine Dyes. <i>FEBS Journal</i> , 2005, 128, 119-123.	0.2	50
65	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.	2.2	50
66	Complexation of Lactate with Boronic Acids: A Solution and Holographic Analysis. <i>Chemistry - A European Journal</i> , 2008, 14, 4060-4067.	3.3	50
67	Computational modelling and characterisation of nanoparticle-based tuneable photonic crystal sensors. <i>RSC Advances</i> , 2014, 4, 10454-10461.	3.6	50
68	Design, synthesis and characterisation of affinity ligands for glycoproteins. <i>Journal of Molecular Recognition</i> , 1999, 12, 57-66.	2.1	49
69	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1988, 455, 201-216.	3.7	48
70	Advances and applications of de novo designed affinity ligands in proteomics. <i>Biotechnology Advances</i> , 2006, 24, 17-26.	11.7	48
71	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.	2.8	47
72	Purification of proteins by aqueous two-phase partition in novel acrylic co-polymer systems. <i>Enzyme and Microbial Technology</i> , 1988, 10, 115-122.	3.2	46

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73	Migration and segregation phenomena of a silicone additive in a multilayer organic coating. Progress in Organic Coatings, 2005, 54, 104-112.	3.9	46
74	Electromagnetic excitation of high frequency acoustic waves and detection in the liquid phase. Analyst, The, 2003, 128, 1048.	3.5	45
75	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
76	Divalent metal ion-sensitive holographic sensors. Analytica Chimica Acta, 2005, 528, 219-228.	5.4	44
77	Some applications of insolubilised cofactors to the purification of pyridine nucleotide-dependent dehydrogenases. Biochemical and Biophysical Research Communications, 1972, 48, 1004-1010.	2.1	42
78	Design of novel affinity adsorbents for the purification of trypsin-like proteases. Journal of Molecular Recognition, 1992, 5, 55-68.	2.1	42
79	Novel affinity separations based on perfluorocarbon emulsions. Journal of Chromatography A, 1994, 659, 275-287.	3.7	42
80	Preparative high-performance liquid affinity chromatography. Journal of Chromatography A, 1983, 266, 151-156.	3.7	41
81	A biomimetic Protein G affinity adsorbent: an Ugi ligand for immunoglobulins and Fab fragments based on the third IgG-binding domain of Protein G. Journal of Molecular Recognition, 2013, 26, 190-200.	2.1	40
82	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
83	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
84	Design, synthesis and evaluation of biomimetic affinity ligands for elastases. Journal of Molecular Recognition, 2000, 13, 370-381.	2.1	38
85	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
86	Design and applications of biomimetic anthraquinone dyes. Journal of Chromatography A, 1990, 508, 109-125.	3.7	36
87	A synthetic Protein G adsorbent based on the multi-component Ugi reaction for the purification of mammalian immunoglobulins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 898, 15-23.	2.3	36
88	A holographic sensor based on a rationally designed synthetic polymer. , 1998, 11, 168-174.		35
89	Rational combinatorial chemistry-based selection, synthesis and evaluation of an affinity adsorbent for recombinant human clotting factor VII. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 774, 1-15.	2.3	35
90	Imaging surface plasmon resonance system for screening affinity ligands. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 793, 229-251.	2.3	35

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91	Affinity chromatography on novel perfluorocarbon supports. <i>Journal of Chromatography A</i> , 1990, 510, 177-187.	3.7	34
92	An artificial receptor for glycoproteins. <i>Journal of Molecular Recognition</i> , 2004, 17, 218-235.	2.1	34
93	Holographic sensors for the determination of ionic strength. <i>Analytica Chimica Acta</i> , 2004, 527, 13-20.	5.4	34
94	Chemoselective biosensors. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 106-111.	6.1	33
95	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.	2.2	32
96	A near infrared holographic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2015, 68, 371-381.	10.1	31
97	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.	2.2	30
98	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
99	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. <i>FEBS Journal</i> , 1984, 144, 135-142.	0.2	29
100	An optical biosensor for monitoring recombinant proteins in process media. <i>Biosensors and Bioelectronics</i> , 1999, 14, 481-493.	10.1	29
101	Lessons from nature: On the molecular recognition elements of the phosphoprotein binding-domains. <i>Biotechnology and Bioengineering</i> , 2005, 91, 546-555.	3.3	29
102	Biospecific Affinity Chromatography in Aqueous-Organic Cosolvent Mixtures. The Effect of Ethylene Glycol on the Binding of Lactate Dehydrogenase to an Immobilised-AMP Analogue. <i>FEBS Journal</i> , 1975, 52, 99-105.	0.2	28
103	Affinity Chromatography on Immobilised Adenosine 5'-monophosphate. 3. The Binding of Glycerokinase and Lactate Dehydrogenase in Relation to Column Geometry and Dynamics. <i>FEBS Journal</i> , 1974, 41, 341-345.	0.2	27
104	A new method for the screening of solid-phase combinatorial libraries for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2004, 17, 262-267.	2.1	27
105	Synthesis of novel rigid triazine-based calix[6]arenes. <i>Tetrahedron Letters</i> , 2003, 44, 1359-1362.	1.4	26
106	Novel affinity separations based on perfluorocarbon emulsions. <i>Journal of Chromatography A</i> , 1992, 597, 189-196.	3.7	25
107	Progress in the application of scanning probe microscopy to biology. <i>Current Opinion in Biotechnology</i> , 1996, 7, 78-84.	6.6	25
108	ToF-SIMS depth profiling of a complex polymeric coating employing a C60 sputter source. <i>Surface and Interface Analysis</i> , 2007, 39, 467-475.	1.8	25

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109	An acoustic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2012, 35, 425-428.	10.1	25
110	New developments in affinity chromatography. <i>Journal of Molecular Recognition</i> , 1990, 3, 117-122.	2.1	24
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.	1.8	24
112	High-resolution XPS study of crosslinking and segregation phenomena in hexamethoxymethyl melamine-polyester resins. <i>Surface and Interface Analysis</i> , 2002, 34, 570-574.	1.8	24
113	Bioluminescent Assay for Heroin and Its Metabolites. <i>Analytical Chemistry</i> , 1996, 68, 1877-1882.	6.5	23
114	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.	10.1	23
115	Investigating the Functional Hierarchy of <i>Bacillus megaterium</i> PV361 Spore Germinant Receptors. <i>Journal of Bacteriology</i> , 2013, 195, 3045-3053.	2.2	23
116	Novel affinity separations based on perfluorocarbon emulsions. <i>Journal of Chromatography A</i> , 1993, 629, 201-213.	3.7	22
117	Surface characterisation of components used in coil coating primers. <i>International Journal of Adhesion and Adhesives</i> , 2000, 20, 1-10.	2.9	22
118	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.	2.3	22
119	Evidence for a cross-linking mechanism underlying glucose-induced contraction of phenylboronate hydrogel. <i>Journal of Molecular Recognition</i> , 2008, 21, 205-209.	2.1	22
120	Towards Closed-Loop Integration of Point-of-Care Technologies. <i>Trends in Biotechnology</i> , 2019, 37, 775-788.	9.3	22
121	Preparative affinity precipitation of L-lactate dehydrogenase. <i>Journal of Biotechnology</i> , 1989, 11, 267-274.	3.8	21
122	Biosensors. <i>Journal of Chromatography A</i> , 1990, 510, 347-354.	3.7	21
123	Acoustic Love plate sensors: comparison with other acoustic devices utilizing surface SH waves. <i>Sensors and Actuators B: Chemical</i> , 1993, 14, 638-639.	7.8	21
124	Noncontact excitation of high Q acoustic resonances in glass plates. <i>Applied Physics Letters</i> , 1998, 73, 447-449.	3.3	21
125	A stepwise synthesis of triazine-based macrocyclic scaffolds. <i>Tetrahedron Letters</i> , 2000, 41, 1837-1840.	1.4	21
126	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.	3.9	21

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127	Holographic Enzyme Inhibition Assays for Drug Discovery. <i>Analytical Chemistry</i> , 2009, 81, 7579-7589.	6.5	21
128	Mutational Analysis of <i>Bacillus megaterium</i> QM B1551 Cortex-Lytic Enzymes. <i>Journal of Bacteriology</i> , 2010, 192, 5378-5389.	2.2	21
129	Mechanism of multiple grating formation in high-energy recording of holographic sensors. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	21
130	Continuous operation of an ultra-low-power microcontroller using glucose as the sole energy source. <i>Biosensors and Bioelectronics</i> , 2017, 93, 335-339.	10.1	21
131	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.	2.1	20
132	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.	3.3	20
133	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.	7.8	20
134	A new rapid procedure for the preparation of plasmid DNA. <i>Analytical Biochemistry</i> , 1986, 152, 215-220.	2.4	19
135	Monosized adsorbents for high-performance affinity chromatography. <i>Journal of Chromatography A</i> , 1991, 540, 103-111.	3.7	19
136	A single mode fibre-optic evanescent wave biosensor. <i>Biosensors and Bioelectronics</i> , 1992, 7, 141-146.	10.1	19
137	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.	2.2	19
138	Confocal Raman microscopy study of the melamine distribution in polyester-melamine coil coating. <i>Journal of Coatings Technology Research</i> , 2009, 6, 315-328.	2.5	19
139	Immobilised Lipoamide Dehydrogenase. 2. Properties of the Enzyme Immobilised to Agarose through Spacer Molecules of Various Lengths. <i>FEBS Journal</i> , 1977, 76, 401-409.	0.2	18
140	Density Modulation of Embedded Nanoparticles via Spatial, Temporal, and Chemical Control Elements. <i>Advanced Materials</i> , 2019, 31, e1901802.	21.0	18
141	Encoded and Multiplexed Surface Plasmon Resonance Sensor Platform. <i>Analytical Chemistry</i> , 2008, 80, 7862-7869.	6.5	17
142	Immobilised Lipoamide Dehydrogenase. 1. Preparation and Properties of the Enzyme Immobilised by Disulphide Interchange. <i>FEBS Journal</i> , 1977, 76, 391-399.	0.2	16
143	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.	3.7	16
144	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.	7.8	16

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145	A Strategy for Chemical Sensing Based on Frequency Tunable Acoustic Devices. <i>Analytical Chemistry</i> , 2001, 73, 1577-1586.	6.5	16
146	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.	3.9	16
147	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.	2.3	16
148	Affinity Chromatography on Immobilised Nucleotides. The Synthesis, Specificity and Applications of Immobilised Inosine 5'-Monophosphate. <i>FEBS Journal</i> , 1980, 110, 279-288.	0.2	15
149	High-performance liquid charge-transfer chromatography. <i>Journal of Chromatography A</i> , 1982, 248, 271-279.	3.7	15
150	An enzymatically active artificial redox coenzyme based on a synthetic dye template. <i>Enzyme and Microbial Technology</i> , 1997, 20, 2-11.	3.2	15
151	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.	2.1	15
152	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.	3.5	15
153	An artificial redox coenzyme based on a triazine dye template. <i>Enzyme and Microbial Technology</i> , 1996, 18, 570-580.	3.2	14
154	The design, synthesis and evaluation of affinity ligands for prion proteins. <i>Journal of Molecular Recognition</i> , 2004, 17, 248-261.	2.1	14
155	A Tailor-Made Receptor-Affinity Pair for the Purification of Fusion Proteins. <i>ChemBioChem</i> , 2014, 15, 1423-1435.	2.6	14
156	A carbohydrate-binding affinity ligand for the specific enrichment of glycoproteins. <i>Journal of Chromatography A</i> , 2016, 1444, 8-20.	3.7	14
157	Immobilised coenzymes. <i>Trends in Biochemical Sciences</i> , 1978, 3, 134-137.	7.5	13
158	Purification of recombinant ricin A chain with immobilised triazine dyes. <i>Journal of Chromatography A</i> , 1994, 677, 289-299.	3.7	13
159	Smartphone-based quantitative measurements on holographic sensors. <i>PLoS ONE</i> , 2017, 12, e0187467.	2.5	13
160	A transparent glucose-sensitive double polymerised holographic sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 1-4.	7.8	13
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