

Chris Lowe

List of Publications by Citations

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

210
papers

10,675
citations

54
h-index

96
g-index

224
ext. papers

11,486
ext. citations

6.3
avg, IF

6.3
L-index

#	Paper	IF	Citations
210	Paper-based microfluidic point-of-care diagnostic devices. <i>Lab on A Chip</i> , 2013 , 13, 2210-51	7.2	1389
209	Immobilization of glucose oxidase in ferrocene-modified pyrrole polymers. <i>Analytical Chemistry</i> , 1988 , 60, 2473-8	7.8	527
208	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 I</i> , 1986 , 82, 1259		435
207	Contact lens sensors in ocular diagnostics. <i>Advanced Healthcare Materials</i> , 2015 , 4, 792-810	10.1	277
206	Design, synthesis, and application of a protein A mimetic. <i>Nature Biotechnology</i> , 1998 , 16, 190-5	44.5	273
205	Antibodies and genetically engineered related molecules: production and purification. <i>Biotechnology Progress</i> , 2004 , 20, 639-54	2.8	268
204	A smartphone algorithm with inter-phone repeatability for the analysis of colorimetric tests. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 156-160	8.5	209
203	Glucose-sensitive holographic sensors for monitoring bacterial growth. <i>Analytical Chemistry</i> , 2004 , 76, 5748-55	7.8	161
202	pH-sensitive holographic sensors. <i>Analytical Chemistry</i> , 2003 , 75, 4423-31	7.8	141
201	Affinity chromatography on immobilized Biomimetic Ligands. <i>Biomedical Applications</i> , 2000 , 740, 1-15		140
200	New developments in affinity chromatography with potential application in the production of biopharmaceuticals. <i>Journal of Proteomics</i> , 2001 , 49, 561-74		140
199	Holographic glucose sensors. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 1602-10	11.8	139
198	A Love plate biosensor utilising a polymer layer. <i>Sensors and Actuators B: Chemical</i> , 1992 , 6, 131-137	8.5	134
197	Holographic sensors: three-dimensional analyte-sensitive nanostructures and their applications. <i>Chemical Reviews</i> , 2014 , 114, 10654-96	68.1	133
196	Nanobiotechnology: the fabrication and applications of chemical and biological nanostructures. <i>Current Opinion in Structural Biology</i> , 2000 , 10, 428-34	8.1	131
195	Optical biosensor for monitoring microbial cells. <i>Analytical Chemistry</i> , 1994 , 66, 2465-70	7.8	124
194	Combinatorial approaches to affinity chromatography. <i>Current Opinion in Chemical Biology</i> , 2001 , 5, 248-56		112

193	Light-Directed Writing of Chemically Tunable Narrow-Band Holographic Sensors. <i>Advanced Optical Materials</i> , 2014 , 2, 250-254	8.1	98
192	Improved thermostability of the North American firefly luciferase: saturation mutagenesis at position 354. <i>Biochemical Journal</i> , 1996 , 319 (Pt 2), 343-50	3.8	98
191	Designed boronate ligands for glucose-selective holographic sensors. <i>Chemistry - A European Journal</i> , 2006 , 12, 8491-7	4.8	96
190	Designer dyes: 'biomimetic' ligands for the purification of pharmaceutical proteins by affinity chromatography. <i>Trends in Biotechnology</i> , 1992 , 10, 442-8	15.1	96
189	Covalent electropolymerization of glucose oxidase in polypyrrole. <i>Analytical Chemistry</i> , 1992 , 64, 1541-1545	5.5	92
188	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, 1213-25	11.8	91
187	High-performance liquid affinity chromatography of proteins on Cibacron Blue F3G-A bonded silica. <i>Journal of Chromatography A</i> , 1981 , 215, 303-316	4.5	91
186	Catalytic oxidation of reduced nicotinamide adenine dinucleotide at hexacyanoferrate-modified nickel electrodes. <i>Analytical Chemistry</i> , 1987 , 59, 2111-5	7.8	90
185	Challenges and opportunities in the purification of recombinant tagged proteins. <i>Biotechnology Advances</i> , 2014 , 32, 366-81	17.8	87
184	Reusable, robust, and accurate laser-generated photonic nanosensor. <i>Nano Letters</i> , 2014 , 14, 3587-93	11.5	87
183	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	2.6	85
182	AFM Studies of Protein Adsorption. <i>Journal of Colloid and Interface Science</i> , 1994 , 166, 102-108	9.3	85
181	Design and application of bio-mimetic dyes in biotechnology. <i>Biomedical Applications</i> , 1986 , 376, 121-30		84
180	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	11.8	81
179	Holographic lactate sensor. <i>Analytical Chemistry</i> , 2006 , 78, 5664-70	7.8	79
178	The regulation of mobile medical applications. <i>Lab on A Chip</i> , 2014 , 14, 833-40	7.2	77
177	Metal ion-sensitive holographic sensors. <i>Analytical Chemistry</i> , 2002 , 74, 3649-57	7.8	75
176	An artificial protein L for the purification of immunoglobulins and fab fragments by affinity chromatography. <i>Journal of Chromatography A</i> , 2005 , 1064, 157-67	4.5	74

175	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	7.8	73
174	Metal ion-promoted binding of proteins to immobilized triazine dye affinity adsorbents. <i>BBA - Proteins and Proteomics</i> , 1982 , 700, 90-100		72
173	High-performance liquid affinity chromatography of enzymes on silica-immobilised triazine dyes. <i>Journal of Chromatography A</i> , 1981 , 216, 175-190	4.5	71
172	Platforms for enrichment of phosphorylated proteins and peptides in proteomics. <i>Trends in Biotechnology</i> , 2012 , 30, 100-10	15.1	70
171	New strategy for the design of ligands for the purification of pharmaceutical proteins by affinity chromatography. <i>Biomedical Applications</i> , 2000 , 740, 17-33		70
170	Immunosensors. <i>Current Opinion in Biotechnology</i> , 1996 , 7, 66-71	11.4	69
169	AFM Studies of Protein Adsorption. <i>Journal of Colloid and Interface Science</i> , 1996 , 182, 586-601	9.3	66
168	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1988 , 435, 127-137	4.5	66
167	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, 335-40		66
166	Design and applications of biomimetic anthraquinone dyes. Purification of calf intestinal alkaline phosphatase with immobilised terminal ring analogues of C.I. reactive blue 2. <i>Journal of Chromatography A</i> , 1989 , 473, 227-40	4.5	65
165	A Holographic Alcohol Sensor. <i>Analytical Chemistry</i> , 1999 , 71, 3390-3396	7.8	63
164	Holographic sensor for water in solvents. <i>Analytical Chemistry</i> , 1996 , 68, 1089-94	7.8	61
163	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	3.8	58
162	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, 329-33		58
161	Mutagenesis of solvent-exposed amino acids in Photinus pyralis luciferase improves thermostability and pH-tolerance. <i>Biochemical Journal</i> , 2006 , 397, 305-12	3.8	57
160	Expanded bed affinity chromatography of dehydrogenases from bakers' yeast using dye-ligand perfluoropolymer supports. <i>Biotechnology and Bioengineering</i> , 1995 , 48, 341-54	4.9	55
159	Printable Surface Holograms via Laser Ablation. <i>ACS Photonics</i> , 2014 , 1, 489-495	6.3	54
158	New enzyme sensors for morphine and codeine based on morphine dehydrogenase and laccase. <i>FreseniusJournal of Analytical Chemistry</i> , 1999 , 364, 179-183		54

157	A Holographic Sensor for Proteases. <i>Analytical Chemistry</i> , 1995 , 67, 4229-4233	7.8	54
156	A MARTINI Coarse-Grained Model of a Thermoset Polyester Coating. <i>Macromolecules</i> , 2011 , 44, 6198-6208	3.8	51
155	Microbial degradation of the morphine alkaloids: identification of morphine as an intermediate in the metabolism of morphine by <i>Pseudomonas putida</i> M10. <i>Archives of Microbiology</i> , 1990 , 154, 465-70	3	51
154	The synthesis of adenine-substituted derivatives of NADP and their potential as active coenzymes and affinity adsorbents. <i>FEBS Journal</i> , 1974 , 49, 511-20		51
153	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, 1440-52	3.2	50
152	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, 382-9	3.1	48
151	Computational modelling and characterisation of nanoparticle-based tuneable photonic crystal sensors. <i>RSC Advances</i> , 2014 , 4, 10454-10461	3.7	47
150	Advances and applications of de novo designed affinity ligands in proteomics. <i>Biotechnology Advances</i> , 2006 , 24, 17-26	17.8	47
149	Metabolite-sensitive holographic biosensors. <i>Analytical Chemistry</i> , 2004 , 76, 1518-23	7.8	47
148	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, 213-24	2.6	47
147	Synthesis and evaluation of affinity adsorbents for glycoproteins: an artificial lectin. <i>Biomedical Applications</i> , 2000 , 746, 265-81		47
146	Design, synthesis and characterisation of affinity ligands for glycoproteins. <i>Journal of Molecular Recognition</i> , 1999 , 12, 57-66	2.6	47
145	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, 4375-83	3.5	46
144	Design and applications of biomimetic anthraquinone dyes. <i>Journal of Chromatography A</i> , 1988 , 455, 201-216	4.5	46
143	The durability of clear polyurethane coil coatings studied by FTIR peak fitting. <i>Polymer Degradation and Stability</i> , 2013 , 98, 527-534	4.7	45
142	Complexation of L-lactate with boronic acids: a solution and holographic analysis. <i>Chemistry - A European Journal</i> , 2008 , 14, 4060-7	4.8	43
141	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	3	43
140	Migration and segregation phenomena of a silicone additive in a multilayer organic coating. <i>Progress in Organic Coatings</i> , 2005 , 54, 104-112	4.8	42

139	Purification of proteins by aqueous two-phase partition in novel acrylic co-polymer systems. <i>Enzyme and Microbial Technology</i> , 1988 , 10, 115-122	3.8	42
138	Some applications of insolubilised cofactors to the purification of pyridine nucleotide-dependent dehydrogenases. <i>Biochemical and Biophysical Research Communications</i> , 1972 , 48, 1004-10	3.4	41
137	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. <i>FEBS Journal</i> , 1977 , 73, 265-74		40
136	Affinity Labelling of Enzymes with Triazine Dyes. <i>FEBS Journal</i> , 2005 , 128, 119-123		39
135	Novel affinity separations based on perfluorocarbon emulsions: Use of a perfluorocarbon affinity emulsion for the direct extraction of glucose-6-phosphate dehydrogenase from homogenised bakers' yeast. <i>Journal of Chromatography A</i> , 1994 , 659, 275-287	4.5	39
134	Design of novel affinity adsorbents for the purification of trypsin-like proteases. <i>Journal of Molecular Recognition</i> , 1992 , 5, 55-68	2.6	39
133	Electromagnetic excitation of high frequency acoustic waves and detection in the liquid phase. <i>Analyst, The</i> , 2003 , 128, 1048	5	38
132	Divalent metal ion-sensitive holographic sensors. <i>Analytica Chimica Acta</i> , 2005 , 528, 219-228	6.6	38
131	Design, synthesis and evaluation of biomimetic affinity ligands for elastases. <i>Journal of Molecular Recognition</i> , 2000 , 13, 370-81	2.6	36
130	Preparative high-performance liquid affinity chromatography. <i>Journal of Chromatography A</i> , 1983 , 266, 151-6	4.5	35
129	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	2.6	34
128	Affinity chromatography on immobilised adenosine 5'-monophosphate. 5. Some applications of the influence of temperature on the binding of dehydrogenases and kinases. <i>FEBS Journal</i> , 1974 , 41, 353-7		34
127	An artificial receptor for glycoproteins. <i>Journal of Molecular Recognition</i> , 2004 , 17, 218-35	2.6	33
126	Affinity chromatography on immobilised adenosine 5'-monophosphate. 4. Variation of the binding of dehydrogenases and kinases with pH. <i>FEBS Journal</i> , 1974 , 41, 347-51		33
125	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	3.2	32
124	Design and applications of biomimetic anthraquinone dyes. III. Anthraquinone-immobilised C.I. reactive blue 2 analogues and their interaction with horse liver alcohol dehydrogenase and other adenine nucleotide-binding proteins. <i>Journal of Chromatography A</i> , 1990 , 508, 109-25	4.5	32
123	A holographic sensor based on a rationally designed synthetic polymer. <i>Journal of Molecular Recognition</i> , 1998 , 11, 168-74	2.6	31
122	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	3.2	31

121	Affinity chromatography on novel perfluorocarbon supports. <i>Journal of Chromatography A</i> , 1990 , 510, 177-187	4.5	31
120	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, 229-51	3.2	30
119	Holographic sensors for the determination of ionic strength. <i>Analytica Chimica Acta</i> , 2004 , 527, 13-20	6.6	29
118	Chemoselective biosensors. <i>Current Opinion in Chemical Biology</i> , 1999 , 3, 106-11	9.7	29
117	An optical biosensor for monitoring recombinant proteins in process media. <i>Biosensors and Bioelectronics</i> , 1999 , 14, 481-93	11.8	29
116	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, 135-42		29
115	The Resonant Mirror: A Versatile Tool for the Study of Biomolecular Interactions. <i>Techniques in Protein Chemistry</i> , 1994 , 5, 285-292		29
114	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, 4317-26	3.5	28
113	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, 2014-22	3.5	28
112	Affinity chromatography on immobilised adenosine 5'-monophosphate. Some kinetic parameters involved in the binding of group-specific enzymes. <i>FEBS Journal</i> , 1974 , 42, 1-6		28
111	A new method for the screening of solid-phase combinatorial libraries for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2004 , 17, 262-7	2.6	27
110	Lessons from nature: On the molecular recognition elements of the phosphoprotein binding-domains. <i>Biotechnology and Bioengineering</i> , 2005 , 91, 546-55	4.9	27
109	ToF-SIMS depth profiling of a complex polymeric coating employing a C60 sputter source. <i>Surface and Interface Analysis</i> , 2007 , 39, 467-475	1.5	24
108	Synthesis of novel rigid triazine-based calix[6]arenes. <i>Tetrahedron Letters</i> , 2003 , 44, 1359-1362	2	24
107	A near infrared holographic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 371-381	11.8	23
106	High-resolution XPS study of crosslinking and segregation phenomena in hexamethoxymethyl melamine polyester resins. <i>Surface and Interface Analysis</i> , 2002 , 34, 570-574	1.5	23
105	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	2.9	23
104	Novel affinity separations based on perfluorocarbon emulsions. Use of a perfluorocarbon affinity emulsion for the purification of human serum albumin from blood plasma in a fluidised bed. <i>Journal of Chromatography A</i> , 1992 , 597, 189-96	4.5	23

103	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		23
102	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, 341-5		23
101	Investigating the functional hierarchy of <i>Bacillus megaterium</i> PV361 spore germinant receptors. <i>Journal of Bacteriology</i> , 2013 , 195, 3045-53	3.5	22
100	Mutational analysis of <i>Bacillus megaterium</i> QM B1551 cortex-lytic enzymes. <i>Journal of Bacteriology</i> , 2010 , 192, 5378-89	3.5	21
99	Surface characterisation of components used in coil coating primers. <i>International Journal of Adhesion and Adhesives</i> , 2000 , 20, 1-10	3.4	21
98	Progress in the application of scanning probe microscopy to biology. <i>Current Opinion in Biotechnology</i> , 1996 , 7, 78-84	11.4	21
97	Preparative affinity precipitation of L-lactate dehydrogenase. <i>Journal of Biotechnology</i> , 1989 , 11, 267-274	4.7	21
96	Design, synthesis, and assessment of a de novo affinity adsorbent for the purification of recombinant human erythropoietin. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 3063-9	4.9	20
95	Holographic enzyme inhibition assays for drug discovery. <i>Analytical Chemistry</i> , 2009 , 81, 7579-89	7.8	20
94	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, 383-96	11.8	20
93	Evidence for a cross-linking mechanism underlying glucose-induced contraction of phenylboronate hydrogel. <i>Journal of Molecular Recognition</i> , 2008 , 21, 205-9	2.6	20
92	Bioluminescent assay for heroin and its metabolites. <i>Analytical Chemistry</i> , 1996 , 68, 1877-82	7.8	20
91	New developments in affinity chromatography. <i>Journal of Molecular Recognition</i> , 1990 , 3, 117-22	2.6	20
90	An acoustic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 425-428	11.8	19
89	Mechanism of multiple grating formation in high-energy recording of holographic sensors. <i>Applied Physics Letters</i> , 2014 , 105, 261106	3.4	19
88	Biosensors. <i>Journal of Chromatography A</i> , 1990 , 510, 347-54	4.5	19
87	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, 8009-17	3.5	18
86	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	4	18

85	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	2.6	18
84	Novel affinity separations based on perfluorocarbon emulsions. Development of a perfluorocarbon emulsion reactor for continuous affinity separations and its application in the purification of human serum albumin from blood plasma. <i>Journal of Chromatography A</i> , 1993 , 629, 201-13	4.5	18
83	Confocal Raman microscopy study of the melamine distribution in polyester/melamine coil coating 2009 , 6, 315-328		17
82	Encoded and multiplexed surface plasmon resonance sensor platform. <i>Analytical Chemistry</i> , 2008 , 80, 7862-9	7.8	17
81	A stepwise synthesis of triazine-based macrocyclic scaffolds. <i>Tetrahedron Letters</i> , 2000 , 41, 1837-1840	2	17
80	Noncontact excitation of high Q acoustic resonances in glass plates. <i>Applied Physics Letters</i> , 1998 , 73, 447-449	3.4	17
79	A single mode fibre-optic evanescent wave biosensor. <i>Biosensors and Bioelectronics</i> , 1992 , 7, 141-6	11.8	17
78	Continuous operation of an ultra-low-power microcontroller using glucose as the sole energy source. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 335-339	11.8	16
77	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	4.8	16
76	Monosized adsorbents for high-performance affinity chromatography. Application to the purification of calf intestinal alkaline phosphatase and human urine urokinase. <i>Journal of Chromatography A</i> , 1991 , 540, 103-11	4.5	16
75	Acoustic Love plate sensors: comparison with other acoustic devices utilizing surface SH waves. <i>Sensors and Actuators B: Chemical</i> , 1993 , 14, 638-639	8.5	16
74	Immobilised lipoamide dehydrogenase. 2. Properties of the enzyme immobilised to agarose through spacer molecules of various lengths. <i>FEBS Journal</i> , 1977 , 76, 401-9		16
73	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, 171-80	3.2	15
72	An enzymatically active artificial redox coenzyme based on a synthetic dye template. <i>Enzyme and Microbial Technology</i> , 1997 , 20, 2-11	3.8	15
71	Poly(dimethylsiloxane)-coated sensor devices for the formation of supported lipid bilayers and the subsequent study of membrane interactions. <i>Langmuir</i> , 2008 , 24, 11268-75	4	15
70	A new rapid procedure for the preparation of plasmid DNA. <i>Analytical Biochemistry</i> , 1986 , 152, 215-20	3.1	15
69	Immobilised lipoamide dehydrogenase. 1. Preparation and properties of the enzyme immobilised by disulphide interchange. <i>FEBS Journal</i> , 1977 , 76, 391-9		15
68	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	4.8	14

67	An artificial redox coenzyme based on a triazine dye template. <i>Enzyme and Microbial Technology</i> , 1996 , 18, 570-580	3.8	14
66	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	8.5	14
65	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	8.5	13
64	A tailor-made "tag-receptor" affinity pair for the purification of fusion proteins. <i>ChemBioChem</i> , 2014 , 15, 1423-35	3.8	13
63	The design, synthesis and evaluation of affinity ligands for prion proteins. <i>Journal of Molecular Recognition</i> , 2004 , 17, 248-61	2.6	13
62	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	4.5	13
61	Immobilised coenzymes. <i>Trends in Biochemical Sciences</i> , 1978 , 3, 134-137	10.3	13
60	Biomimetic affinity ligands for immunoglobulins based on the multicomponent Ugi reaction. <i>Methods in Molecular Biology</i> , 2012 , 800, 57-74	1.4	13
59	Mild and cost-effective green fluorescent protein purification employing small synthetic ligands. <i>Journal of Chromatography A</i> , 2015 , 1418, 83-93	4.5	12
58	Optimisation of polymeric surface pre-treatment to prevent bacterial biofilm formation for use in microfluidics. <i>Journal of Molecular Recognition</i> , 2004 , 17, 180-5	2.6	12
57	High-performance liquid charge-transfer chromatography. <i>Journal of Chromatography A</i> , 1982 , 248, 271-279	4.5	12
56	A carbohydrate-binding affinity ligand for the specific enrichment of glycoproteins. <i>Journal of Chromatography A</i> , 2016 , 1444, 8-20	4.5	12
55	Towards Closed-Loop Integration of Point-of-Care Technologies. <i>Trends in Biotechnology</i> , 2019 , 37, 775-788	4.5	11
54	Spore germination mediated by Bacillus megaterium QM B1551 SleL and YpeB. <i>Journal of Bacteriology</i> , 2014 , 196, 1045-54	3.5	11
53	Effect of enzymatic deimination on the conformation of recombinant prion protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 1123-33	4	11
52	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		11
51	Purification of recombinant ricin A chain with immobilised triazine dyes. <i>Journal of Chromatography A</i> , 1994 , 677, 289-299	4.5	11
50	Biosensors: current applications and future potential. <i>BioEssays</i> , 1985 , 3, 129-32	4.1	11

49	Affinity chromatography on immobilised nucleotides. The synthesis, specificity and applications of immobilised inosine 5'-monophosphate. <i>FEBS Journal</i> , 1980 , 110, 279-88		11
48	Overview of Biosensor and Bioarray Technologies 2008 ,		10
47	A strategy for chemical sensing based on frequency tunable acoustic devices. <i>Analytical Chemistry</i> , 2001 , 73, 1577-86	7.8	10
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