

Klaus Mosbach

List of Publications by Year in Descending Order

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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.

349
papers

25,354
citations

85
h-index

147
g-index

356
ext. papers

26,406
ext. citations

5.6
avg, IF

6.85
L-index

#	Paper	IF	Citations
349	Catalytically Active MIP Architectures 2016 , 19-34		1
348	Molecular Imprinting: Synthetic Materials As Substitutes for Biological Antibodies and Receptors□ <i>Chemistry of Materials</i> , 2008 , 20, 859-868	9.6	495
347	Uniform molecularly imprinted microspheres and nanoparticles prepared by precipitation polymerization: the control of particle size suitable for different analytical applications. <i>Analytica Chimica Acta</i> , 2007 , 584, 112-21	6.6	342
346	Immobilised plant cells: General aspects. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 32, 330-337		20
345	Use of immobilised cells with special emphasis on the formation of products formed by multistep enzyme systems and coenzymes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 32, 179-188		11
344	Non-covalent molecular imprinting with emphasis on its application in separation and drug development. <i>Journal of Molecular Recognition</i> , 2006 , 19, 248-59	2.6	177
343	Molecularly imprinted nanoreactors for regioselective huisgen 1,3-dipolar cycloaddition reaction. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4178-9	16.4	77
342	The promise of molecular imprinting. <i>Scientific American</i> , 2006 , 295, 86-91	0.5	32
341	Preparation of molecularly imprinted polymers using nitroxide-mediated living radical polymerization. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 349-54	11.8	84
340	Analyte templating: enhancing the enantioselectivity of chiral selectors upon incorporation into organic polymer environments. <i>Analytical Chemistry</i> , 2005 , 77, 5009-18	7.8	32
339	An Esterolytic Imprinted Polymer Prepared via a Silica-Supported Transition State Analogue. <i>Chemistry of Materials</i> , 2004 , 16, 2745-2749	9.6	25
338	The Noncovalent Approach 2004 , 25-57		3
337	Formation of a Class of Enzyme Inhibitors (Drugs), Including a Chiral Compound, by Using Imprinted Polymers or Biomolecules as Molecular-Scale Reaction Vessels. <i>Angewandte Chemie</i> , 2002 , 114, 4639-4643	3.6	2
336	Formation of a class of enzyme inhibitors (drugs), including a chiral compound, by using imprinted polymers or biomolecules as molecular-scale reaction vessels. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4459-63	16.4	41
335	Removal of the fermentation by-product succinyl L-tyrosine from the beta-lactamase inhibitor clavulanic acid using a molecularly imprinted polymer. <i>Biotechnology and Bioengineering</i> , 2002 , 79, 23-8	4.9	18
334	Molecularly Imprinted Materials: Towards the Next Generation. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 723, 311		8
333	A facile method for preparing molecularly imprinted polymer spheres using spherical silica templates. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1577-1581		113

332	Imprinted polymers as tailor-made stationary phases for affinity separation 2002 ,		1
331	Molecularly imprinted microspheres as antibody binding mimics. <i>Reactive and Functional Polymers</i> , 2001 , 48, 149-157	4.6	168
330	Toward the next generation of molecular imprinting with emphasis on the formation, by direct molding, of compounds with biological activity (biomimetics). <i>Analytica Chimica Acta</i> , 2001 , 435, 3-8	6.6	59
329	Towards the use of molecularly imprinted polymers containing imidazoles and bivalent metal complexes for the detection and degradation of organophosphotriester pesticides. <i>Analytica Chimica Acta</i> , 2001 , 435, 209-214	6.6	63
328	The Technique of Molecular Imprinting [Principle, State of the Art, and Future Aspects. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001 , 41, 107-113		49
327	Molecular imprinting on microgel spheres. <i>Analytica Chimica Acta</i> , 2001 , 435, 187-196	6.6	127
326	Chemiluminescence imaging ELISA using an imprinted polymer as the recognition element instead of an antibody. <i>Analytical Chemistry</i> , 2001 , 73, 487-91	7.8	138
325	Towards the development of molecularly imprinted artificial receptors for the screening of estrogenic chemicals. <i>Analyst, The</i> , 2001 , 126, 760-5	5	67
324	Polymers recognizing biomolecules based on a combination of molecular imprinting and proximity scintillation: a new sensor concept. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2901-2	16.4	158
323	Generation of new enzyme inhibitors using imprinted binding sites: the anti-idiotypic approach, a step toward the next generation of molecular imprinting. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12420-1	16.4	63
322	Molecularly Imprinted Polymers for Nitrophenols - An Advanced Separation Material for Environmental Analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2001 , 80, 75-86	1.8	24
321	A Novel Amperometric Sensor for Organophosphotriester Insecticides Detection Employing Catalytic Polymer Mimicking Phosphotriesterase Catalytic Center. <i>Electrochemistry</i> , 2001 , 69, 969-972	1.2	14
320	Towards the Development of Artificial Recognition Elements in Sensor Technology with Emphasis on Molecular Imprinting. <i>Electrochemistry</i> , 2001 , 69, 919-919	1.2	2
319	Die Verwendung immobilisierter Template: eine neue Methode zum molekularen Prüfen. <i>Angewandte Chemie</i> , 2000 , 112, 2178-2181	3.6	20
318	The Use of Immobilized Templates-A New Approach in Molecular Imprinting. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2115-2118	16.4	248
317	New configurations and applications of molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2000 , 889, 15-24	4.5	140
316	Influence of mobile phase composition and cross-linking density on the enantiomeric recognition properties of molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2000 , 888, 63-72	4.5	129
315	Molecularly imprinted polymers and their use in biomimetic sensors. <i>Chemical Reviews</i> , 2000 , 100, 2495-584		1836

314	Synthesis and Characterization of Molecularly Imprinted Microspheres. <i>Macromolecules</i> , 2000 , 33, 8239-8245	9.3	203
313	An enzyme-linked molecularly imprinted sorbent assay. <i>Analyst, The</i> , 2000 , 125, 13-16	5	105
312	The Use of Imprinted Polymers as Recognition Elements in Biosensors and Binding Assays 2000 , 193-209		
311	Synthesis and catalysis by molecularly imprinted materials. <i>Current Opinion in Chemical Biology</i> , 1999 , 3, 759-64	9.7	164
310	Molecular imprinting: recent developments and the road ahead. <i>Reactive and Functional Polymers</i> , 1999 , 41, 115-124	4.6	118
309	Study of the nature of recognition in molecularly imprinted polymers, II. <i>Journal of Chromatography A</i> , 1999 , 848, 39-49	4.5	147
308	Use of molecularly imprinted polymers in a biotransformation process 1999 , 64, 650-655		32
307	Molecularly imprinted monodisperse microspheres for competitive radioassay. <i>Analytical Communications</i> , 1999 , 36, 35-38		262
306	Molecularly Imprinted Polymers and Infrared Evanescent Wave Spectroscopy. A Chemical Sensors Approach. <i>Analytical Chemistry</i> , 1999 , 71, 4786-4791	7.8	120
305	Imprinted polymer-based sensor system for herbicides using differential-pulse voltammetry on screen-printed electrodes. <i>Analytical Chemistry</i> , 1999 , 71, 3698-702	7.8	198
304	Influence of functional and cross-linking monomers and the amount of template on the performance of molecularly imprinted polymers in binding assays. <i>Analytical Communications</i> , 1999 , 36, 167-170		147
303	Molecular Imprinting: Status Artis et Quo Vadere?. <i>ACS Symposium Series</i> , 1998 , 29-48	0.4	15
302	Plastic antibodies: developments and applications. <i>Trends in Biotechnology</i> , 1998 , 16, 468-75	15.1	216
301	Some new developments and challenges in non-covalent molecular imprinting technology. <i>Journal of Molecular Recognition</i> , 1998 , 11, 62-8	2.6	73
300	Insights into the origins of binding and the recognition properties of molecularly imprinted polymers prepared using an amide as the hydrogen-bonding functional group. <i>Journal of Molecular Recognition</i> , 1998 , 11, 69-74	2.6	30
299	A new application of molecularly imprinted materials. <i>Journal of Molecular Recognition</i> , 1998 , 11, 75-8	2.6	14
298	Catalysis of benzisoxazole isomerization by molecularly imprinted polymers. <i>Macromolecular Rapid Communications</i> , 1998 , 19, 671-674	4.8	39
297	Novel peptides binding to the Fc-portion of immunoglobulins obtained from a combinatorial phage display peptide library. <i>Journal of Immunological Methods</i> , 1998 , 221, 151-7	2.5	15

296	Molecularly imprinted polymer combinatorial libraries for multiple simultaneous chiral separations. <i>Analytical Communications</i> , 1998 , 35, 285-287		29
295	Selection of phage display combinatorial library peptides with affinity for a yohimbine imprinted methacrylate polymer. <i>Analytical Communications</i> , 1998 , 35, 3-7		42
294	Herbicide Assay Using an Imprinted Polymer-Based System Analogous to Competitive Fluoroimmunoassays. <i>Analytical Chemistry</i> , 1998 , 70, 3936-3939	7.8	125
293	Magnetic molecularly imprinted polymer beads for drug radioligand binding assay. <i>Analyst, The</i> , 1998 , 123, 1611-6	5	152
292	Screening of a combinatorial steroid library using molecularly imprinted polymers. <i>Analytical Communications</i> , 1998 , 35, 9-11		85
291	Molecularly Imprinted Polymeric Adsorbents for Byproduct Removal. <i>Analytical Chemistry</i> , 1998 , 70, 2789-2795	7.8	72
290	Assay system for the herbicide 2,4-dichlorophenoxyacetic Acid using a molecularly imprinted polymer as an artificial recognition element. <i>Analytical Chemistry</i> , 1998 , 70, 628-31	7.8	226
289	Determination of Cyclosporin A and Metabolites Total Concentration Using a Molecularly Imprinted Polymer Based Radioligand Binding Assay.. <i>Analytical Letters</i> , 1997 , 30, 1809-1821	2.2	34
288	Separation and detection of macrolide antibiotics by HPLC using macrolide-imprinted synthetic polymers as stationary phases. <i>Journal of Antibiotics</i> , 1997 , 50, 89-91	3.7	34
287	Enantiomeric Recognition by Molecularly Imprinted Polymers Using Hydrophobic Interactions. <i>Analytical Letters</i> , 1997 , 30, 2123-2140	2.2	57
286	Molecular Imprinting Utilizing an Amide Functional Group for Hydrogen Bonding Leading to Highly Efficient Polymers. <i>Journal of Organic Chemistry</i> , 1997 , 62, 4057-4064	4.2	183
285	Peer Reviewed: Molecular Imprinting: New Possibilities for Sensor Technology. <i>Analytical Chemistry</i> , 1997 , 69, 345A-349A	7.8	292
284	Selection of a cyclic nonapeptide inhibitor to alpha-chymotrypsin using a phage display peptide library. <i>Molecular Diversity</i> , 1997 , 3, 149-59	3.1	18
283	Molecularly imprinted polymers: useful materials for analytical chemistry?. <i>TrAC - Trends in Analytical Chemistry</i> , 1997 , 16, 321-332	14.6	284
282	Studies towards a tailor-made catalyst for the Diels-Alder reaction using the technique of molecular imprinting. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 609-615	4.8	42
281	Superporous agarose as an affinity chromatography support. <i>Journal of Chromatography A</i> , 1997 , 776, 197-203	4.5	28
280	Molecularly imprinted polymers by suspension polymerisation in perfluorocarbon liquids, with emphasis on the influence of the porogenic solvent. <i>Journal of Chromatography A</i> , 1997 , 787, 55-66	4.5	83
279	Selective Recognition of the Herbicide Atrazine by Noncovalent Molecularly Imprinted Polymers. <i>Journal of Agricultural and Food Chemistry</i> , 1996 , 44, 141-145	5.7	105

278	Carbon-Carbon Bond Formation Using Substrate Selective Catalytic Polymers Prepared by Molecular Imprinting: An Artificial Class II Aldolase. <i>Journal of Organic Chemistry</i> , 1996 , 61, 5414-5417	4.2	139
277	Fusion Proteins. <i>Annals of the New York Academy of Sciences</i> , 1996 , 799, 376-382	6.5	6
276	Molecularly imprinted polymer beads: suspension polymerization using a liquid perfluorocarbon as the dispersing phase. <i>Analytical Chemistry</i> , 1996 , 68, 3769-74	7.8	393
275	Molecular imprinting of the endogenous neuropeptide Leu5-enkephalin and some derivatives thereof. <i>Macromolecular Rapid Communications</i> , 1996 , 17, 65-71	4.8	26
274	Some recent developments in the preparation of novel recognition systems: a recognition site for the selective catalysis of an aldol condensation using molecular imprinting and specific affinity motifs for alpha-chymotrypsin using a phage display peptide library. <i>Journal of Molecular Recognition</i> , 1996 , 9, 652-7	2.6	17
273	Study of the nature of recognition in molecularly imprinted polymers. <i>Journal of Molecular Recognition</i> , 1996 , 9, 675-82	2.6	47
272	Chiral recognition in adrenergic receptor binding mimics prepared by molecular imprinting. <i>Journal of Molecular Recognition</i> , 1996 , 9, 691-6	2.6	51
271	Affinity precipitation and site-specific immobilization of proteins carrying polyhistidine tails. <i>Biotechnology and Bioengineering</i> , 1996 , 51, 221-8	4.9	24
270	Introduction of molecularly imprinted polymers as recognition elements in conductometric chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 1996 , 33, 178-181	8.5	71
269	Recognition in molecularly imprinted polymer β -adrenoreceptor mimics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996 , 6, 2237-2242	2.9	32
268	Metal ion mediated recognition in molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 1996 , 335, 71-77	6.6	82
267	Artificial antibodies to corticosteroids prepared by molecular imprinting. <i>Chemistry and Biology</i> , 1996 , 3, 471-7		160
266	The Emerging Technique of Molecular Imprinting and Its Future Impact on Biotechnology. <i>Nature Biotechnology</i> , 1996 , 14, 163-170	44.5	471
265	Molecularly imprinted polymers for bioanalysis: chromatography, binding assays and biomimetic sensors. <i>Current Opinion in Biotechnology</i> , 1996 , 7, 89-94	11.4	121
264	Molecular Imprinting: The Current Status and Future Development of Polymer-Based Recognition Systems. <i>Advances in Molecular and Cell Biology</i> , 1996 , 15, 651-670		21
263	Molecularly imprinted composite polymers based on trimethylolpropane trimethacrylate (TRIM) particles for efficient enantiomeric separations. <i>Reactive & Functional Polymers</i> , 1995 , 25, 47-54		77
262	Separation of amino acids, peptides and proteins on molecularly imprinted stationary phases. <i>Journal of Chromatography A</i> , 1995 , 691, 317-23	4.5	265
261	Insights into the role of the hydrogen bond and hydrophobic effect on recognition in molecularly imprinted polymer synthetic peptide receptor mimics. <i>Journal of Chromatography A</i> , 1995 , 691, 349-353	4.5	117

260	Molecular imprinting used for chiral separations. <i>Journal of Chromatography A</i> , 1995 , 694, 3-13	4.5	268
259	Receptor binding mimetics: A novel molecularly imprinted polymer. <i>Tetrahedron Letters</i> , 1995 , 36, 3563-3566		69
258	Antibody Mimics Obtained by Noncovalent Molecular Imprinting. <i>ACS Symposium Series</i> , 1995 , 89-96	0.4	9
257	A Biomimetic Sensor Based on a Molecularly Imprinted Polymer as a Recognition Element Combined with Fiber-Optic Detection. <i>Analytical Chemistry</i> , 1995 , 67, 2142-2144	7.8	234
256	Recognition and enantioselection of drugs and biochemicals using molecularly imprinted polymer technology. <i>Trends in Biotechnology</i> , 1995 , 13, 47-51	15.1	87
255	Horse liver alcohol dehydrogenase can accept NADP ⁺ as coenzyme in high concentrations of acetonitrile. <i>FEBS Journal</i> , 1995 , 227, 551-5		19
254	An approach towards surface imprinting using the enzyme ribonuclease A. <i>Journal of Molecular Recognition</i> , 1995 , 8, 35-9	2.6	182
253	Competitive amperometric morphine sensor based on an agarose immobilised molecularly imprinted polymer. <i>Analytica Chimica Acta</i> , 1995 , 300, 71-75	6.6	225
252	Molecular imprinting of acetylated carbohydrate derivatives into methacrylic polymers. <i>Journal of Chromatography A</i> , 1995 , 707, 199-203	4.5	35
251	Chiral recognition of N alpha-protected amino acids and derivatives in non-covalently molecularly imprinted polymers. <i>International Journal of Peptide and Protein Research</i> , 1994 , 44, 603-6		26
250	Development of a simple detector for microbial metabolism, based on a polypyrrole dc resistometric device. <i>Biosensors and Bioelectronics</i> , 1994 , 9, 551-556	11.8	31
249	Direct resolution of naproxen on a non-covalently molecularly imprinted chiral stationary phase. <i>Journal of Chromatography A</i> , 1994 , 664, 276-279	4.5	190
248	Synthetic peptide receptor mimics: highly stereoselective recognition in non-covalent molecularly imprinted polymers. <i>Tetrahedron: Asymmetry</i> , 1994 , 5, 649-656		122
247	Molecular imprinting. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 9-14	10.3	583
246	Metabolic studies on <i>Saccharomyces cerevisiae</i> containing fused citrate synthase/malate dehydrogenase. <i>Biochemistry</i> , 1994 , 33, 11684-91	3.2	20
245	Use of genetically prepared enzyme conjugates in enzyme immunoassay. <i>Trends in Biochemical Sciences</i> , 1993 , 18, 279-83	10.3	23
244	Molecularly imprinted polymers facilitating a β -elimination reaction. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1993 , 14, 637-641		72
243	Chiral separation using molecularly imprinted heteroaromatic polymers. <i>Journal of Molecular Recognition</i> , 1993 , 6, 25-9	2.6	92

242	Some studies of molecularly-imprinted polymer membranes in combination with field-effect devices. <i>Sensors and Actuators A: Physical</i> , 1993 , 37-38, 796-799	3.9	132
241	Drug assay using antibody mimics made by molecular imprinting. <i>Nature</i> , 1993 , 361, 645-7	50.4	1476
240	Bioseparation and Catalysis in Molecularly Imprinted Polymers 1993 , 383-394		16
239	Synthesis of dipeptide units of the D-D-configuration in aqueous media by enzymatic catalysis 1993 , 415-416		
238	Engineering of lactose metabolism in <i>E. coli</i> by introducing a galactosidase/galactokinase fusion enzymes. <i>Biotechnology Letters</i> , 1992 , 14, 439-444	3	6
237	Peptide screening. <i>Current Opinion in Biotechnology</i> , 1992 , 3, 49-54	11.4	26
236	Characterization of a recombinant bifunctional enzyme, galactose dehydrogenase/bacterial luciferase, displaying an improved bioluminescence in a three-enzyme system. <i>FEBS Journal</i> , 1992 , 204, 241-7		19
235	Induced Stereo and Substrate Selectivity of Bio-Imprinted α -Chymotrypsin in Anhydrous Organic Media. <i>Progress in Biotechnology</i> , 1992 , 8, 321-327		2
234	Perspectives on immobilized proteins. <i>Current Opinion in Biotechnology</i> , 1991 , 2, 44-51	11.4	9
233	Stabilization of α -amino acid oxidase from yeast <i>Trigonopsis variabilis</i> used for production of glutaryl-7-aminocephalosporanic acid from cephalosporin C. <i>Applied Biochemistry and Biotechnology</i> , 1991 , 27, 239-250	3.2	43
232	Metal affinity precipitation of proteins carrying genetically attached polyhistidine affinity tails. <i>FEBS Journal</i> , 1991 , 198, 499-504		67
231	Thermal biosensors. <i>Biosensors and Bioelectronics</i> , 1991 , 6, 179-182	11.8	28
230	Standard calibration proteins for Western blotting obtained by genetically prepared protein A conjugates. <i>Analytical Biochemistry</i> , 1991 , 197, 187-90	3.1	4
229	Increased yield of fructose from glucose employing thermophilic xylose isomerase in water-ethanol mixtures. <i>Biotechnology Letters</i> , 1991 , 13, 787-792	3	3
228	Continuous regeneration of NAD(H) covalently bound to a cysteine genetically engineered into glucose dehydrogenase. <i>Nature Biotechnology</i> , 1991 , 9, 280-4	44.5	12
227	Binding Studies on Substrate- and Enantio-Selective Molecularly Imprinted Polymers. <i>Analytical Letters</i> , 1991 , 24, 1137-1145	2.2	109
226	The oligopeptide (Gly-Pro) ₂ -Ala-(Gly-Pro) ₂ increases the internal proline level and improves NaCl tolerance when produced in <i>Escherichia coli</i> . <i>Gene</i> , 1991 , 109, 125-9	3.8	10
225	Preparation of Ca ²⁺ selective sorbents by molecular imprinting using polymerisable ionophores. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991 , 1261		60

224	Direct enantioseparation of .beta.-adrenergic blockers using a chiral stationary phase prepared by molecular imprinting. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9358-9360	16.4	248
223	Induced stereo- and substrate selectivity of bioimprinted .alpha.-chymotrypsin in anhydrous organic media. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9366-9368	16.4	118
222	Preparation of a genetically fused protein A/luciferase conjugate for use in bioluminescent immunoassays. <i>Journal of Immunological Methods</i> , 1991 , 137, 199-207	2.5	23
221	Enzymatic synthesis of dipeptide units of the D-D-configuration in aqueous media. <i>International Journal of Peptide and Protein Research</i> , 1990 , 35, 147-52		3
220	The synthesis of a D-amino acid ester in an organic media with β -chymotrypsin modified by a bio-imprinting procedure. <i>Biotechnology Letters</i> , 1990 , 12, 161-166	3	60
219	Enantiomeric resolution on molecularly imprinted polymers prepared with only non-covalent and non-ionic interactions. <i>Journal of Chromatography A</i> , 1990 , 516, 313-22	4.5	153
218	Enantiomeric resolution of amino acid derivatives on molecularly imprinted polymers as monitored by potentiometric measurements. <i>Journal of Chromatography A</i> , 1990 , 516, 323-31	4.5	60
217	Molecular recognition in synthetic polymers: preparation of chiral stationary phases by molecular imprinting of amino acid amides. <i>Journal of Chromatography A</i> , 1990 , 513, 167-179	4.5	88
216	Polyacrylic polyhydrazides as novel reagents for detection of antibodies in immunoblotting assays. <i>Journal of Immunological Methods</i> , 1990 , 132, 239-45	2.5	5
215	Purification and site-specific immobilization of genetically engineered glucose dehydrogenase on thiopropyl-Sepharose. <i>FEBS Letters</i> , 1990 , 270, 41-4	3.8	32
214	Construction and characterization of a recombinant tripartite enzyme, galactose dehydrogenase/beta-galactosidase/galactokinase. <i>FEBS Letters</i> , 1990 , 275, 91-4	3.8	11
213	Optical Surface Methods for Detection of Nucleic Acid Binding. <i>Analytical Letters</i> , 1989 , 22, 2961-2973	2.2	15
212	Molecular imprinting: A technique for producing specific separation materials. <i>Trends in Biotechnology</i> , 1989 , 7, 92-96	15.1	107
211	High performance liquid affinity chromatography: a new tool in biotechnology. <i>Trends in Biotechnology</i> , 1989 , 7, 179-186	15.1	36
210	Synthesis of 2-acetamido-2-deoxy-3-O-beta-D-galactopyranosyl-D-galactose by the sequential use of beta-D-galactosidases from bovine testes and Escherichia coli. <i>Carbohydrate Research</i> , 1989 , 186, 217-23	2.9	58
209	The synthesis of an active derivative of cyclomaltoheptaose for the hydrolysis of esters and the formation of amide bonds. <i>Carbohydrate Research</i> , 1989 , 192, 111-7	2.9	14
208	Molecular recognition in synthetic polymers. Enantiomeric resolution of amide derivatives of amino acids on molecularly imprinted polymers. <i>Journal of Molecular Recognition</i> , 1989 , 2, 1-5	2.6	40
207	Preparation of a functional, highly selective polymer by molecular imprinting. A demonstration with L-p-aminophenylalanine anilide as a template molecule allowing multiple points of attachment. <i>Journal of Molecular Recognition</i> , 1989 , 2, 167-9	2.6	14

206	Molecular imprinting of the coenzyme-substrate analogue N-pyridoxyl-L-phenylalaninamide. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1989 , 10, 491-495		30
205	Purification of endo-N-acetyl-beta-D-glucosaminidase H by substrate-affinity chromatography. <i>Carbohydrate Research</i> , 1989 , 189, 289-99	2.9	2
204	Molecular imprinting of amino acid derivatives at low temperature (0 degrees C) using photolytic homolysis of azobisnitriles. <i>Analytical Biochemistry</i> , 1989 , 177, 144-9	3.1	156
203	Polyacrylic polyhydrazides as reagents for detection of glycoproteins. <i>Analytical Biochemistry</i> , 1989 , 181, 182-9	3.1	15
202	Recent advances in the preparation and use of molecularly imprinted polymers for enantiomeric resolution of amino acid derivatives. <i>Journal of Chromatography A</i> , 1989 , 470, 391-399	4.5	70
201	Highly sensitive enzyme thermistor determination of ADP and ATP by multiple recycling enzyme systems. <i>Biosensors</i> , 1989 , 4, 231-239		26
200	Studies of the reversed β -mannosidase reaction in high concentrations of mannose. <i>Enzyme and Microbial Technology</i> , 1989 , 11, 347-352	3.8	30
199	The synthesis of water-soluble polymers of β -cyclodextrin and their use in aqueous two-phase systems. <i>Carbohydrate Polymers</i> , 1989 , 10, 183-188	10.3	15
198	Synthesis of Gal beta 1-3GlcNAc and Gal beta 1-3GlcNAc beta-SEt by an enzymatic method comprising the sequential use of beta-galactosidases from bovine testes and Escherichia coli. <i>Glycoconjugate Journal</i> , 1989 , 6, 161-8	3	47
197	Enzymatic coupling of two d-amino acid residues in aqueous media. <i>Tetrahedron Letters</i> , 1989 , 30, 583-586		7
196	Construction of an artificial bifunctional enzyme, beta-galactosidase/galactose dehydrogenase, exhibiting efficient galactose channeling. <i>Biochemistry</i> , 1989 , 28, 8786-92	3.2	79
195	Transcriptional activity is inducible in the cauliflower mosaic virus 35 S promoter engineered with the heat shock consensus sequence. <i>FEBS Letters</i> , 1989 , 249, 311-315	3.8	3
194	Molecular imprinting of a transition state analogue leads to a polymer exhibiting esterolytic activity. <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 969		113
193	Influence of Elicitors and Mevalonic Acid on the Biosynthesis of Ginsenosides in Tissue Cultures of Panax ginseng. <i>Biochemie Und Physiologie Der Pflanzen</i> , 1989 , 184, 413-418		9
192	Detection of biospecific interactions using amplified ellipsometry. <i>Analytical Biochemistry</i> , 1988 , 170, 68-72	3.1	20
191	Enzyme purification by genetically attached polycysteine and polyphenylalanine affinity tails. <i>Analytical Biochemistry</i> , 1988 , 172, 330-7	3.1	44
190	Electrophoresis of DNA restriction fragments in poly-N-acryloyl-tris gels. <i>Analytical Biochemistry</i> , 1988 , 170, 478-84	3.1	18
189	Continuous production of somatomedin C with immobilized transformed yeast cells. <i>Applied Microbiology and Biotechnology</i> , 1988 , 28, 215	5.7	10

188	Studies on guest selective molecular recognition on an octadecyl silylated silicon surface using ellipsometry. <i>Tetrahedron Letters</i> , 1988 , 29, 5437-5440	2	60
187	Preparative chiral separation in an aqueous two-phase system by a few counter-current extractions. <i>Journal of Chromatography A</i> , 1988 , 450, 277-280	4.5	16
186	Amplified ellipsometry for studies of biomolecular interactions. <i>Annals of the New York Academy of Sciences</i> , 1988 , 542, 465-9	6.5	0
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