

Klaus Mosbach

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349
papers

25,354
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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	Molecularly imprinted polymers and their use in biomimetic sensors. <i>Chemical Reviews</i> , 2000 , 100, 2495-504	50.4	1836
348	Drug assay using antibody mimics made by molecular imprinting. <i>Nature</i> , 1993 , 361, 645-7	50.4	1476
347	Molecular imprinting. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 9-14	10.3	583
346	Molecular Imprinting: Synthetic Materials As Substitutes for Biological Antibodies and Receptors□ <i>Chemistry of Materials</i> , 2008 , 20, 859-868	9.6	495
345	Synthesis of substrate-selective polymers by host-guest polymerization. <i>Die Makromolekulare Chemie</i> , 1981 , 182, 687-692		472
344	The Emerging Technique of Molecular Imprinting and Its Future Impact on Biotechnology. <i>Nature Biotechnology</i> , 1996 , 14, 163-170	44.5	471
343	Highly enantioselective and substrate-selective polymers obtained by molecular imprinting utilizing noncovalent interactions. NMR and chromatographic studies on the nature of recognition. <i>Journal of the American Chemical Society</i> , 1988 , 110, 5853-5860	16.4	464
342	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
341	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
340	Peer Reviewed: Molecular Imprinting: New Possibilities for Sensor Technology. <i>Analytical Chemistry</i> , 1997 , 69, 345A-349A	7.8	292
339	Molecularly imprinted polymers: useful materials for analytical chemistry?. <i>TrAC - Trends in Analytical Chemistry</i> , 1997 , 16, 321-332	14.6	284
338	Molecular imprinting used for chiral separations. <i>Journal of Chromatography A</i> , 1995 , 694, 3-13	4.5	268
337	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
336	Molecularly imprinted monodisperse microspheres for competitive radioassay. <i>Analytical Communications</i> , 1999 , 36, 35-38		262
335	The Use of Immobilized Templates-A New Approach in Molecular Imprinting. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2115-2118	16.4	248
334	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
333	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

332	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
331	Competitive amperometric morphine sensor based on an agarose immobilised molecularly imprinted polymer. <i>Analytica Chimica Acta</i> , 1995 , 300, 71-75	6.6	225
330	Plastic antibodies: developments and applications. <i>Trends in Biotechnology</i> , 1998 , 16, 468-75	15.1	216
329	Use of silane monomers for molecular imprinting and enzyme entrapment in polysiloxane-coated porous silica. <i>Journal of Chromatography A</i> , 1985 , 347, 11-23	4.5	214
328	Immobilization of enzymes and affinity ligands to various hydroxyl group carrying supports using highly reactive sulfonyl chlorides. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 102, 449-57	3.4	210
327	Synthesis and Characterization of Molecularly Imprinted Microspheres. <i>Macromolecules</i> , 2000 , 33, 8239-8245	3.5	203
326	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
325	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
324	Matrix-bound enzymes. II. Studies on a matrix-bound two-enzyme-system. <i>Acta Chemica Scandinavica</i> , 1970 , 24, 2093-100		184
323	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
322	An approach towards surface imprinting using the enzyme ribonuclease A. <i>Journal of Molecular Recognition</i> , 1995 , 8, 35-9	2.6	182
321	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
320	Imprinting of amino acid derivatives in macroporous polymers. <i>Tetrahedron Letters</i> , 1984 , 25, 5211-5214	2	171
319	Molecularly imprinted microspheres as antibody binding mimics. <i>Reactive and Functional Polymers</i> , 2001 , 48, 149-157	4.6	168
318	Synthesis and catalysis by molecularly imprinted materials. <i>Current Opinion in Chemical Biology</i> , 1999 , 3, 759-64	9.7	164
317	Artificial antibodies to corticosteroids prepared by molecular imprinting. <i>Chemistry and Biology</i> , 1996 , 3, 471-7		160
316	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
315	High performance liquid affinity chromatography (HPLAC) and its application to the separation of enzymes and antigens. <i>FEBS Letters</i> , 1978 , 93, 5-9	3.8	158

314	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
313	Preparation and application of polymer-entrapped enzymes and microorganisms in microbial transformation processes with special reference to steroid 11-beta-hydroxylation and delta-dehydrogenation. <i>Biotechnology and Bioengineering</i> , 1970 , 12, 19-27	4.9	155
312	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
311	Magnetic molecularly imprinted polymer beads for drug radioligand binding assay. <i>Analyst, The</i> , 1998 , 123, 1611-6	5	152
310	Entrapment of enzymes and microorganisms in synthetic cross-linked polymers and their application in column techniques. <i>Acta Chemica Scandinavica</i> , 1966 , 20, 2807-10		148
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	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
307	New configurations and applications of molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2000 , 889, 15-24	4.5	140
306	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
305	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
304	Studies on a matrix-bound three-enzyme system. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1971 , 235, 253-7	3.8	134
303	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
302	Molecular imprinting of amino acid derivatives in macroporous polymers. <i>Journal of Chromatography A</i> , 1985 , 347, 1-10	4.5	132
301	A general method for the immobilization of cells with preserved viability. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1983 , 17, 319-326		130
300	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
299	Molecular imprinting on microgel spheres. <i>Analytica Chimica Acta</i> , 2001 , 435, 187-196	6.6	127
298	Herbicide Assay Using an Imprinted Polymer-Based System Analogous to Competitive Fluoroimmunoassays. <i>Analytical Chemistry</i> , 1998 , 70, 3936-3939	7.8	125
297	Synthetic peptide receptor mimics: highly stereoselective recognition in non-covalent molecularly imprinted polymers. <i>Tetrahedron: Asymmetry</i> , 1994 , 5, 649-656		122

296	Determination of glucose, urea and penicillin using enzyme--pH-electrodes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1973 , 320, 529-34	4	122
295	Molecularly imprinted polymers for bioanalysis: chromatography, binding assays and biomimetic sensors. <i>Current Opinion in Biotechnology</i> , 1996 , 7, 89-94	11.4	121
294	Molecularly Imprinted Polymers and Infrared Evanescent Wave Spectroscopy. A Chemical Sensors Approach. <i>Analytical Chemistry</i> , 1999 , 71, 4786-4791	7.8	120
293	Molecular imprinting: recent developments and the road ahead. <i>Reactive and Functional Polymers</i> , 1999 , 41, 115-124	4.6	118
292	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
291	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
290	Growth of AnchorageDependent Cells on Macroporous Microcarriers. <i>Bio/technology</i> , 1986 , 4, 989-990		115
289	A new immobilized NAD+ analogue, its application in affinity chromatography and as a functioning coenzyme. <i>FEBS Journal</i> , 1973 , 40, 187-93		115
288	A facile method for preparing molecularly imprinted polymer spheres using spherical silica templates. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1577-1581		113
287	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
286	Covalent stabilization of alginate gel for the entrapment of living whole cells. <i>Biotechnology Letters</i> , 1981 , 3, 393-400	3	110
285	Binding Studies on Substrate- and Enantio-Selective Molecularly Imprinted Polymers. <i>Analytical Letters</i> , 1991 , 24, 1137-1145	2.2	109
284	Molecular imprinting: A technique for producing specific separation materials. <i>Trends in Biotechnology</i> , 1989 , 7, 92-96	15.1	107
283	An enzyme-linked molecularly imprinted sorbent assay. <i>Analyst, The</i> , 2000 , 125, 13-16	5	105
282	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
281	An enzyme thermistor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974 , 364, 140-5	3.8	104
280	Enzymes bound to artificial matrixes. <i>Scientific American</i> , 1971 , 224, 26-33	0.5	104
279	High-sensitivity enzyme thermistor determination of L-lactate by substrate recycling. <i>Analytical Chemistry</i> , 1985 , 57, 1740-1743	7.8	102

278	Preparation and application of magnetic polymers for targeting of drugs. <i>FEBS Letters</i> , 1979 , 102, 112-6	3.8	102
277	Preparation of a NAD(H)-polymer matrix showing coenzyme function of the bound pyridine nucleotide. <i>Biotechnology and Bioengineering</i> , 1971 , 13, 393-8	4.9	100
276	High-performance liquid affinity chromatography of nucleosides, nucleotides and carbohydrates with boronic acid-substituted microparticulate silica. <i>Journal of Chromatography A</i> , 1980 , 200, 254-260	4.5	99
275	Preparation of immobilized animal cells. <i>FEBS Letters</i> , 1980 , 118, 145-50	3.8	97
274	Immobilization of ligands with organic sulfonyl chlorides. <i>Methods in Enzymology</i> , 1984 , 104, 56-69	1.7	96
273	Steroid transformation by living cells immobilized in calcium alginate. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1979 , 7, 103-110		95
272	The application of immobilized NAD ⁺ in an enzyme electrode and in model enzyme reactors. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974 , 370, 329-38	3.8	94
271	Acrylic polymer preparations containing recognition sites obtained by imprinting with substrates. <i>Journal of Chromatography A</i> , 1984 , 299, 29-41	4.5	93
270	Chiral separation using molecularly imprinted heteroaromatic polymers. <i>Journal of Molecular Recognition</i> , 1993 , 6, 25-9	2.6	92
269	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
268	The synthesis of three AMP-analogues: N6-(6-aminohexyl)-adenosine 5'-monophosphate, N6-(6-aminohexyl)-adenosine 2',5'-bisphosphate, and N6-(6-aminohexyl)-adenosine 3',5'-bisphosphate and their application as general ligands in biospecific affinity chromatography. <i>FEBS Journal</i> , 1974 , 47, 81-9		89
267	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
266	Recognition and enantioselection of drugs and biochemicals using molecularly imprinted polymer technology. <i>Trends in Biotechnology</i> , 1995 , 13, 47-51	15.1	87
265	Screening of a combinatorial steroid library using molecularly imprinted polymers. <i>Analytical Communications</i> , 1998 , 35, 9-11		85
264	Peptide synthesis in aqueous-organic solvent mixtures with alpha-chymotrypsin immobilized to tressyl chloride-activated agarose. <i>Biotechnology and Bioengineering</i> , 1984 , 26, 1146-54	4.9	85
263	Preparation of molecularly imprinted polymers using nitroxide-mediated living radical polymerization. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 349-54	11.8	84
262	Denitrification of water using immobilized <i>Pseudomonas denitrificans</i> cells. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1980 , 10, 261-274		84
261	p-Toluenesulfonyl chloride as an activating agent of agarose for the preparation of immobilized affinity ligands and proteins. <i>FEBS Journal</i> , 1980 , 112, 397-402		84

260	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
259	Metal ion mediated recognition in molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 1996 , 335, 71-77	6.6	82
258	Affinity precipitation of enzymes. <i>FEBS Letters</i> , 1979 , 98, 333-8	3.8	80
257	Construction of an artificial bifunctional enzyme, beta-galactosidase/galactose dehydrogenase, exhibiting efficient galactose channeling. <i>Biochemistry</i> , 1989 , 28, 8786-92	3.2	79
256	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
255	Molecularly imprinted composite polymers based on trimethylolpropane trimethacrylate (TRIM) particles for efficient enantiomeric separations. <i>Reactive & Functional Polymers</i> , 1995 , 25, 47-54		77
254	Studies on conformation of soluble and immobilized enzymes using differential scanning calorimetry. 2. Specific activity and thermal stability of enzymes bound weakly and strongly to Sepharose CL 4B. <i>Biochemistry</i> , 1977 , 16, 2105-9	3.2	75
253	Thermal bioanalyzers in flow streams. Enzyme thermistor devices. <i>Analytical Chemistry</i> , 1981 , 53, 83-94	7.8	74
252	Some new developments and challenges in non-covalent molecular imprinting technology. <i>Journal of Molecular Recognition</i> , 1998 , 11, 62-8	2.6	73
251	Molecularly Imprinted Polymeric Adsorbents for Byproduct Removal. <i>Analytical Chemistry</i> , 1998 , 70, 2789-2795	7.8	72
250	Molecularly imprinted polymers facilitating a β -elimination reaction. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1993 , 14, 637-641		72
249	The preparation and characterisation of a water-soluble coenzymically active dextran-NAD ⁺ . <i>FEBS Letters</i> , 1974 , 46, 119-22	3.8	72
248	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
247	Enzyme activities of the primary and secondary metabolism of simultaneously permeabilized and immobilized plant cells. <i>Analytical Biochemistry</i> , 1981 , 116, 462-70	3.1	71
246	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
245	Formation of proinsulin by immobilized <i>Bacillus subtilis</i> . <i>Nature</i> , 1983 , 302, 543-5	50.4	70
244	Receptor binding mimetics: A novel molecularly imprinted polymer. <i>Tetrahedron Letters</i> , 1995 , 36, 3563-3566		69
243	Production of β -keto acids Part I. Immobilized cells of <i>Trigonopsis variabilis</i> containing D-amino acid oxidase. <i>Applied Biochemistry and Biotechnology</i> , 1981 , 6, 293-307	3.2	69

242	Enzyme electrode and thermistor probes for determination of alcohols with alcohol oxidase. <i>Analytical Chemistry</i> , 1983 , 55, 1582-5	7.8	68
241	Towards the development of molecularly imprinted artificial receptors for the screening of estrogenic chemicals. <i>Analyst, The</i> , 2001 , 126, 760-5	5	67
240	Metal affinity precipitation of proteins carrying genetically attached polyhistidine affinity tails. <i>FEBS Journal</i> , 1991 , 198, 499-504		67
239	Preparation of an alcohol-dehydrogenase--NAD(H)--sepharose complex showing no requirement of soluble coenzyme for its activity. <i>FEBS Journal</i> , 1975 , 57, 529-35		66
238	Hydrolysis of β -galactosides using polymer-entrapped lactase. A study towards producing lactose-free milk. <i>Biotechnology and Bioengineering</i> , 1973 , 15, 395-402	4.9	65
237	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
236	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
235	Covalent binding of an NAD analogue to liver alcohol dehydrogenase resulting in an enzyme-coenzyme complex not requiring exogenous coenzyme for activity. <i>FEBS Journal</i> , 1978 , 86, 455-63		62
234	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
233	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
232	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
231	Studies on guest selective molecular recognition on an octadecyl silylated silicon surface using ellipsometry. <i>Tetrahedron Letters</i> , 1988 , 29, 5437-5440	2	60
230	Synthesis of the disaccharide 6-O-beta-D-galactopyranosyl-2-acetamido-2-deoxy-D-galactose using immobilized beta-galactosidase. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 123, 8-15	3.4	60
229	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
228	Affinity chromatography of enzymes on an AMP-analogue: Specific elution of dehydrogenases from a general ligand. <i>FEBS Letters</i> , 1972 , 25, 234-238	3.8	59
227	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 <i>Escherichia coli</i> . <i>Carbohydrate Research</i> , 1989 , 186, 217-29	2.9	58
226	Enantiomeric Recognition by Molecularly Imprinted Polymers Using Hydrophobic Interactions. <i>Analytical Letters</i> , 1997 , 30, 2123-2140	2.2	57
225	Preparation of analogues of ATP, ADP and AMP suitable for binding to matrices and the enzymic interconversion of ATP and ADP in solid phase. <i>FEBS Journal</i> , 1975 , 53, 481-6		57

224	Thermometric enzyme linked immunosorbent assay: TELISA. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1977 , 483, 221-7	3.8	57
223	Determination of heat changes in the proximity of immobilised enzymes with an enzyme thermistor and its use for the assay of metabolites. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1975 , 403, 256-65	3.8	55
222	Enzyme Thermistor Assay of Cholesterol, Glucose, Lactose and Uric Acid in Standard Solutions as Well as In Biological Samples. <i>Analytical Letters</i> , 1976 , 9, 217-234	2.2	53
221	The interaction of proteins and cells with affinity ligands covalently coupled to silicon surfaces as monitored by ellipsometry. <i>Analytical Biochemistry</i> , 1984 , 137, 106-14	3.1	52
220	Isolation and partial characterization of a D-amino acid oxidase active against cephalosporin C from the yeast <i>Trigonopsis variabilis</i> . <i>Biotechnology Letters</i> , 1985 , 7, 1-7	3	52
219	Immobilized coenzymes. <i>Methods in Enzymology</i> , 1976 , 44, 859-87	1.7	52
218	Chiral recognition in adrenergic receptor binding mimics prepared by molecular imprinting. <i>Journal of Molecular Recognition</i> , 1996 , 9, 691-6	2.6	51
217	Immobilised enzymes. <i>FEBS Letters</i> , 1976 , 62, E80-94	3.8	51
216	Studies on conformation of soluble and immobilized enzymes using differential scanning calorimetry. 1. Thermal stability of nicotinamide adenine dinucleotide dependent dehydrogenases. <i>Biochemistry</i> , 1977 , 16, 2101-5	3.2	51
215	Separation of the isoenzymes of lactate dehydrogenase by affinity chromatography using an immobilized AMP-analogue. <i>FEBS Letters</i> , 1973 , 35, 223-6	3.8	51
214	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
213	Matrix-bound enzymes. I. The use of different acrylic copolymers as matrices. <i>Acta Chemica Scandinavica</i> , 1970 , 24, 2084-92		50
212	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
211	Steroid hydroxylation using immobilized spores of <i>Curvularia lunata</i> germinated in situ. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1980 , 10, 1-9		49
210	Enzyme thermistor analysis of heavy metal ions with use of immobilized urease. <i>FEBS Letters</i> , 1978 , 85, 203-6	3.8	48
209	Study of the nature of recognition in molecularly imprinted polymers. <i>Journal of Molecular Recognition</i> , 1996 , 9, 675-82	2.6	47
208	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 <i>Escherichia coli</i> . <i>Glycoconjugate Journal</i> , 1989 , 6, 161-8	3	47
207	Affinity precipitation of dehydrogenases. <i>Analytical Biochemistry</i> , 1983 , 133, 409-16	3.1	47

206	Acrylic copolymers as matrices for the immobilization of enzymes. I. Covalent binding or entrapping of various enzymes to bead-formed acrylic copolymers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974 , 370, 339-47	3.8	47
205	On the regulation of the activity of immobilized enzymes. Microenvironmental effects of enzyme-generated pH changes. <i>FEBS Journal</i> , 1973 , 36, 89-96		47
204	Aspects of microenvironmental compartmentation. An evaluation of the influence of restricted diffusion, exclusion effects, and enzyme proximity on the overall efficiency of the sequential two-enzyme system malate dehydrogenase--citrate synthase in its soluble and immobilized form. <i>FEBS Journal</i> , 1977 , 81, 71-8		45
203	Tresyl chloride-activated supports for enzyme immobilization. <i>Methods in Enzymology</i> , 1987 , 135, 65-78	1.7	44
202	Improved chromatography: prearranged distances between boronate groups by the molecular imprinting approach. <i>Journal of Chromatography A</i> , 1987 , 396, 374-377	4.5	44
201	Enzyme purification by genetically attached polycysteine and polyphenylalanine affinity tails. <i>Analytical Biochemistry</i> , 1988 , 172, 330-7	3.1	44
200	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
199	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
198	Selection of phage display combinatorial library peptides with affinity for a yohimbine imprinted methacrylate polymer. <i>Analytical Communications</i> , 1998 , 35, 3-7		42
197	High-performance liquid affinity chromatography on silica-bound concanavalin A. <i>Journal of Chromatography A</i> , 1982 , 244, 49-56	4.5	42
196	Acrylic copolymers as matrices for the immobilization of enzymes. II. The effect of a hydrophobic microenvironment on enzyme reactions studied with alcohol dehydrogenase immobilized to different acrylic copolymers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974 , 370, 348-53	3.8	42
195	A Split-Flow Enzyme Thermistor. <i>Analytical Letters</i> , 1976 , 9, 867-889	2.2	42
194	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
193	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
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