

# Klaus Mosbach

## List of Publications by Year in descending order

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348  
papers

28,794  
citations

3525

90  
h-index

6465

157  
g-index

356  
all docs

356  
docs citations

356  
times ranked

8439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly Imprinted Polymers and Their Use in Biomimetic Sensors. <i>Chemical Reviews</i> , 2000, 100, 2495-2504.	23.0	2,067
2	Drug assay using antibody mimics made by molecular imprinting. <i>Nature</i> , 1993, 361, 645-647.	13.7	1,655
3	Molecular imprinting. <i>Trends in Biochemical Sciences</i> , 1994, 19, 9-14.	3.7	653
4	Synthesis of substrate-selective polymers by host-guest polymerization. <i>Die Makromolekulare Chemie</i> , 1981, 182, 687-692.	1.1	581
5	The Emerging Technique of Molecular Imprinting and Its Future Impact on Biotechnology. <i>Nature Biotechnology</i> , 1996, 14, 163-170.	9.4	571
6	Molecular Imprinting: Synthetic Materials As Substitutes for Biological Antibodies and Receptors. <i>Chemistry of Materials</i> , 2008, 20, 859-868.	3.2	554
7	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.	6.6	516
8	Molecularly Imprinted Polymer Beads: A Suspension Polymerization Using a Liquid Perfluorocarbon as the Dispersing Phase. <i>Analytical Chemistry</i> , 1996, 68, 3769-3774.	3.2	448
9	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, 112-121.	2.6	382
10	Peer Reviewed: Molecular Imprinting: New Possibilities for Sensor Technology. <i>Analytical Chemistry</i> , 1997, 69, 345A-349A.	3.2	324
11	Molecularly imprinted polymers: useful materials for analytical chemistry?. <i>TrAC - Trends in Analytical Chemistry</i> , 1997, 16, 321-332.	5.8	322
12	Molecularly imprinted monodisperse microspheres for competitive radioassay. <i>Analytical Communications</i> , 1999, 36, 35-38.	2.2	297
13	Separation of amino acids, peptides and proteins on molecularly imprinted stationary phases. <i>Journal of Chromatography A</i> , 1995, 691, 317-323.	1.8	292
14	Molecular imprinting used for chiral separations. <i>Journal of Chromatography A</i> , 1995, 694, 3-13.	1.8	292
15	The Use of Immobilized Templates: A New Approach in Molecular Imprinting. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2115-2118.	7.2	283
16	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.	6.6	280
17	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.	3.2	266
18	Competitive amperometric morphine sensor based on an agarose immobilised molecularly imprinted polymer. <i>Analytica Chimica Acta</i> , 1995, 300, 71-75.	2.6	257

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19	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, 628-631.	3.2	254
20	Plastic antibodies: developments and applications. <i>Trends in Biotechnology</i> , 1998, 16, 468-475.	4.9	250
21	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.	1.8	237
22	Imprinted Polymer-Based Sensor System for Herbicides Using Differential-Pulse Voltammetry on Screen-Printed Electrodes. <i>Analytical Chemistry</i> , 1999, 71, 3698-3702.	3.2	231
23	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, 449-457.	1.0	230
24	Synthesis and Characterization of Molecularly Imprinted Microspheres. <i>Macromolecules</i> , 2000, 33, 8239-8245.	2.2	217
25	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.	1.7	208
26	Non-covalent molecular imprinting with emphasis on its application in separation and drug development. <i>Journal of Molecular Recognition</i> , 2006, 19, 248-259.	1.1	207
27	Direct resolution of naproxen on a non-covalently molecularly imprinted chiral stationary phase. <i>Journal of Chromatography A</i> , 1994, 664, 276-279.	1.8	204
28	Matrix-Bound Enzymes. Part II: Studies on a Matrix-Bound Two-Enzyme-System.. <i>Acta Chemica Scandinavica</i> , 1970, 24, 2093-2100.	0.7	204
29	Imprinting of amino acid derivatives in macroporous polymers. <i>Tetrahedron Letters</i> , 1984, 25, 5211-5214.	0.7	201
30	An approach towards surface imprinting using the enzyme ribonuclease A. <i>Journal of Molecular Recognition</i> , 1995, 8, 35-39.	1.1	200
31	High performance liquid affinity chromatography (HPLAC) and its application to the separation of enzymes and antigens. <i>FEBS Letters</i> , 1978, 93, 5-9.	1.3	187
32	Molecularly imprinted microspheres as antibody binding mimics. <i>Reactive and Functional Polymers</i> , 2001, 48, 149-157.	2.0	183
33	Synthesis and catalysis by molecularly imprinted materials. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 759-764.	2.8	179
34	Magnetic molecularly imprinted polymer beads for drug radioligand binding assay. <i>Analyst, The</i> , 1998, 123, 1611-1616.	1.7	178
35	Molecular imprinting of amino acid derivatives at low temperature (0Å°C) using photolytic homolysis of azobisnitriles. <i>Analytical Biochemistry</i> , 1989, 177, 144-149.	1.1	174
36	Preparation and application of polymer-entrapped enzymes and microorganisms in microbial transformation processes with special reference to steroid 11- $\beta$ -hydroxylation and $\hat{1}$ "1-dehydrogenation. <i>Biotechnology and Bioengineering</i> , 1970, 12, 19-27.	1.7	173

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37	Enantiomeric resolution on molecularly imprinted polymers prepared with only non-covalent and non-ionic interactions. <i>Journal of Chromatography A</i> , 1990, 516, 313-322.	1.8	172
38	Artificial antibodies to corticosteroids prepared by molecular imprinting. <i>Chemistry and Biology</i> , 1996, 3, 471-477.	6.2	171
39	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, 2901-2902.	6.6	170
40	Study of the nature of recognition in molecularly imprinted polymers, II. <i>Journal of Chromatography A</i> , 1999, 848, 39-49.	1.8	169
41	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.	1.7	166
42	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.	2.2	166
43	Entrapment of Enzymes and Microorganisms in Synthetic Cross-linked Polymers and their Application in Column Techniques. <i>Acta Chemica Scandinavica</i> , 1966, 20, 2807-2810.	0.7	166
44	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.	2.0	157
45	New configurations and applications of molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2000, 889, 15-24.	1.8	156
46	Determination of glucose, urea and penicillin using enzyme-pH-electrodes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1973, 320, 529-534.	1.1	153
47	Chemiluminescence Imaging ELISA Using an Imprinted Polymer as the Recognition Element Instead of an Antibody. <i>Analytical Chemistry</i> , 2001, 73, 487-491.	3.2	152
48	Molecular imprinting of amino acid derivatives in macroporous polymers. <i>Journal of Chromatography A</i> , 1985, 347, 1-10.	1.8	149
49	Studies on a matrix-bound three-enzyme system. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1971, 235, 253-257.	1.4	147
50	A general method for the immobilization of cells with preserved viability. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1983, 17, 319-326.	1.3	147
51	Molecular imprinting on microgel spheres. <i>Analytica Chimica Acta</i> , 2001, 435, 187-196.	2.6	145
52	Herbicide Assay Using an Imprinted Polymer-Based System Analogous to Competitive Fluoroimmunoassays. <i>Analytical Chemistry</i> , 1998, 70, 3936-3939.	3.2	142
53	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.	2.0	139
54	Synthetic peptide receptor mimics: highly stereoselective recognition in non-covalent molecularly imprinted polymers. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 649-656.	1.8	137

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55	An enzyme thermistor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974, 364, 140-145.	1.4	136
56	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.	1.8	136
57	Growth of Anchorage-Dependent Cells on Macroporous Microcarriers. <i>Bio/technology</i> , 1986, 4, 989-990.	1.9	134
58	Molecularly imprinted polymers for bioanalysis: chromatography, binding assays and biomimetic sensors. <i>Current Opinion in Biotechnology</i> , 1996, 7, 89-94.	3.3	134
59	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.	6.6	129
60	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.	1.8	129
61	Molecularly Imprinted Polymers and Infrared Evanescent Wave Spectroscopy. A Chemical Sensors Approach. <i>Analytical Chemistry</i> , 1999, 71, 4786-4791.	3.2	128
62	Preparation and application of magnetic polymers for targeting of drugs. <i>FEBS Letters</i> , 1979, 102, 112-116.	1.3	127
63	Molecular imprinting: recent developments and the road ahead. <i>Reactive and Functional Polymers</i> , 1999, 41, 115-124.	2.0	127
64	A facile method for preparing molecularly imprinted polymer spheres using spherical silica templates. <i>Journal of Materials Chemistry</i> , 2002, 12, 1577-1581.	6.7	127
65	Enzymes Bound to Artificial Matrixes. <i>Scientific American</i> , 1971, 224, 26-33.	1.0	123
66	High-sensitivity enzyme thermistor determination of L-lactate by substrate recycling. <i>Analytical Chemistry</i> , 1985, 57, 1740-1743.	3.2	123
67	A New Immobilized NAD+ Analogue, Its Application in Affinity Chromatography and as a Functioning Coenzyme. <i>FEBS Journal</i> , 1973, 40, 187-193.	0.2	122
68	Binding Studies on Substrate- and Enantio-Selective Molecularly Imprinted Polymers. <i>Analytical Letters</i> , 1991, 24, 1137-1145.	1.0	120
69	An enzyme-linked molecularly imprinted sorbent assay. <i>Analyst, The</i> , 2000, 125, 13-16.	1.7	119
70	Molecular imprinting: A technique for producing specific separation materials. <i>Trends in Biotechnology</i> , 1989, 7, 92-96.	4.9	118
71	Covalent stabilization of alginate gel for the entrapment of living whole cells. <i>Biotechnology Letters</i> , 1981, 3, 393-400.	1.1	117
72	[2] Immobilization of ligands with organic sulfonyl chlorides. <i>Methods in Enzymology</i> , 1984, 104, 56-69.	0.4	117

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73	Selective Recognition of the Herbicide Atrazine by Noncovalent Molecularly Imprinted Polymers. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 141-145.	2.4	117
74	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.	1.8	116
75	Preparation of a NAD(H)-polymer matrix showing coenzymic function of the bound pyridine nucleotide. <i>Biotechnology and Bioengineering</i> , 1971, 13, 393-398.	1.7	112
76	Acrylic polymer preparations containing recognition sites obtained by imprinting with substrates. <i>Journal of Chromatography A</i> , 1984, 299, 29-41.	1.8	112
77	Steroid transformation by living cells immobilized in calcium alginate. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1979, 7, 103-110.	1.3	111
78	Preparation of Immobilized animal cells. <i>FEBS Letters</i> , 1980, 118, 145-150.	1.3	108
79	High-performance liquid affinity chromatography of proteins on Cibacron Blue F3G-A bonded silica. <i>Journal of Chromatography A</i> , 1981, 215, 303-316.	1.8	103
80	Chiral separation using molecularly imprinted heteroaromatic polymers. <i>Journal of Molecular Recognition</i> , 1993, 6, 25-29.	1.1	102
81	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, 81-89.	0.2	100
82	The application of immobilized NAD <sup>+</sup> in an enzyme electrode and in model enzyme reactors. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974, 370, 329-338.	1.4	100
83	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.	1.8	99
84	Preparation of molecularly imprinted polymers using nitroxide-mediated living radical polymerization. <i>Biosensors and Bioelectronics</i> , 2006, 22, 349-354.	5.3	99
85	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.	0.2	98
86	Denitrification of water using immobilized <i>Pseudomonas denitrificans</i> cells. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1980, 10, 261-274.	1.3	96
87	Recognition and enantioselection of drugs and biochemicals using molecularly imprinted polymer technology. <i>Trends in Biotechnology</i> , 1995, 13, 47-51.	4.9	94
88	Thermal bioanalyzers in flow streams. Enzyme thermistor devices. <i>Analytical Chemistry</i> , 1981, 53, 83-94.	3.2	93
89	Screening of a combinatorial steroid library using molecularly imprinted polymers. <i>Analytical Communications</i> , 1998, 35, 9-11.	2.2	93
90	Metal ion mediated recognition in molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 1996, 335, 71-77.	2.6	91

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91	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.	1.8	91
92	Affinity precipitation of enzymes. <i>FEBS Letters</i> , 1979, 98, 333-338.	1.3	90
93	Introduction of molecularly imprinted polymers as recognition elements in conductometric chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 1996, 33, 178-181.	4.0	89
94	Peptide synthesis in aqueous-organic solvent mixtures with $\alpha$ -chymotrypsin immobilized to tressyl chloride-activated agarose. <i>Biotechnology and Bioengineering</i> , 1984, 26, 1146-1154.	1.7	88
95	Some new developments and challenges in non-covalent molecular imprinting technology. , 1998, 11, 62-68.		87
96	Construction of an artificial bifunctional enzyme, .beta.-galactosidase/galactose dehydrogenase, exhibiting efficient galactose channeling. <i>Biochemistry</i> , 1989, 28, 8786-8792.	1.2	85
97	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.	1.8	84
98	Molecularly imprinted composite polymers based on trimethylolpropane trimethacrylate (TRIM) particles for efficient enantiomeric separations. <i>Reactive &amp; Functional Polymers</i> , 1995, 25, 47-54.	0.8	84
99	Molecularly Imprinted Nanoreactors for Regioselective Huisgen 1,3-Dipolar Cycloaddition Reaction. <i>Journal of the American Chemical Society</i> , 2006, 128, 4178-4179.	6.6	83
100	Formation of proinsulin by immobilized <i>Bacillus subtilis</i> . <i>Nature</i> , 1983, 302, 543-545.	13.7	82
101	Enzyme electrode and thermistor probes for determination of alcohols with alcohol oxidase. <i>Analytical Chemistry</i> , 1983, 55, 1582-1585.	3.2	82
102	Metal affinity precipitation of proteins carrying genetically attached polyhistidine affinity tails. <i>FEBS Journal</i> , 1991, 198, 499-504.	0.2	81
103	Molecularly imprinted polymers facilitating a $\beta$ -elimination reaction. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1993, 14, 637-641.	1.1	81
104	Receptor binding mimetics: A novel molecularly imprinted polymer. <i>Tetrahedron Letters</i> , 1995, 36, 3563-3566.	0.7	81
105	The preparation and characterisation of a water-soluble coenzymically active dextran-NAD <sup>+</sup> . <i>FEBS Letters</i> , 1974, 46, 119-122.	1.3	80
106	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, 2105-2109.	1.2	80
107	Production of $\beta$ -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.	1.4	79
108	Molecularly Imprinted Polymeric Adsorbents for Byproduct Removal. <i>Analytical Chemistry</i> , 1998, 70, 2789-2795.	3.2	77

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109	Enzyme activities of the primary and secondary metabolism of simultaneously permeabilized and immobilized plant cells. <i>Analytical Biochemistry</i> , 1981, 116, 462-470.	1.1	75
110	Hydrolysis of $\beta$ -galactosides using polymer-entrapped lactase. A study towards producing lactose-free milk. <i>Biotechnology and Bioengineering</i> , 1973, 15, 395-402.	1.7	74
111	Thermometric enzyme linked immunosorbent assay: TELISA. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1977, 483, 221-227.	1.4	74
112	Preparation of an Alcohol-Dehydrogenase-NAD(H)-Sephacryl Complex Showing No Requirement of Soluble Coenzyme for Its Activity. <i>FEBS Journal</i> , 1975, 57, 529-535.	0.2	72
113	Towards the development of molecularly imprinted artificial receptors for the screening of estrogenic chemicals. <i>Analyst</i> , 2001, 126, 760-765.	1.7	72
114	The synthesis of a D-amino acid ester in an organic media with $\beta$ -chymotrypsin modified by a bio-imprinting procedure. <i>Biotechnology Letters</i> , 1990, 12, 161-166.	1.1	71
115	Studies on guest selective molecular recognition on an octadecyl silylated silicon surface using ellipsometry. <i>Tetrahedron Letters</i> , 1988, 29, 5437-5440.	0.7	70
116	Enantiomeric resolution of amino acid derivatives on molecularly imprinted polymers as monitored by potentiometric measurements. <i>Journal of Chromatography A</i> , 1990, 516, 323-331.	1.8	70
117	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, 256-265.	1.4	69
118	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.	2.6	69
119	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.	1.0	68
120	Affinity chromatography of enzymes on an AMP-analogue: Specific elution of dehydrogenases from a general ligand. <i>FEBS Letters</i> , 1972, 25, 234-238.	1.3	67
121	Preparation of Ca <sup>2+</sup> selective sorbents by molecular imprinting using polymerisable ionophores. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1261.	0.9	67
122	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, 12420-12421.	6.6	67
123	Synthesis of the disaccharide 6-O- $\beta$ -D-galactopyranosyl-2-acetamido-2-deoxy-D-galactose using immobilized $\beta$ -D-galactosidase. <i>Biochemical and Biophysical Research Communications</i> , 1984, 123, 8-15.	1.0	66
124	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, 217-223.	1.1	65
125	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, 455-463.	0.2	64
126	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, 481-486.	0.2	62

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127	Enantiomeric Recognition by Molecularly Imprinted Polymers Using Hydrophobic Interactions. <i>Analytical Letters</i> , 1997, 30, 2123-2140.	1.0	62
128	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.	2.6	61
129	Separation of the isoenzymes of lactate dehydrogenase by affinity chromatography using an immobilized AMP-analogue. <i>FEBS Letters</i> , 1973, 35, 223-226.	1.3	60
130	[61] Immobilized coenzymes. <i>Methods in Enzymology</i> , 1976, 44, 859-887.	0.4	60
131	Enzyme thermistor analysis of heavy metal ions with use of immobilized urease. <i>FEBS Letters</i> , 1978, 85, 203-206.	1.3	58
132	The interaction of proteins and cells with affinity ligands covalently coupled to silicon surfaces as monitored by ellipsometry. <i>Analytical Biochemistry</i> , 1984, 137, 106-114.	1.1	58
133	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.	1.6	57
134	Immobilised enzymes. <i>FEBS Letters</i> , 1976, 62, E80-E95.	1.3	56
135	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.	1.1	56
136	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, 161-168.	1.4	56
137	Matrix-Bound Enzymes. Part I. The Use of Different Acrylic Copolymers as Matrices.. <i>Acta Chemica Scandinavica</i> , 1970, 24, 2084-2092.	0.7	56
138	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.	1.3	55
139	High-performance liquid affinity chromatography on silica-bound concanavalin A. <i>Journal of Chromatography A</i> , 1982, 244, 49-56.	1.8	55
140	The Synthesis of Adenine-Substituted Derivatives of NADP <sup>+</sup> and Their Potential as Active Coenzymes and Affinity Adsorbents. <i>FEBS Journal</i> , 1974, 49, 511-520.	0.2	54
141	Acrylic copolymers as matrices for the immobilization of enzymes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974, 370, 339-347.	1.4	54
142	Chiral recognition in adrenergic receptor binding mimics prepared by molecular imprinting. , 1996, 9, 691-696.		54
143	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, 2101-2105.	1.2	53
144	An enzyme electrode for measurement of penicillin in fermentation broth: A step toward the application of enzyme electrodes in fermentation control. <i>Biotechnology and Bioengineering</i> , 1978, 20, 527-539.	1.7	53

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145	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, 4459-4463.	7.2	52
146	On the Regulation of the Activity of Immobilized Enzymes. Microenvironmental Effects of Enzyme-Generated pH Changes. <i>FEBS Journal</i> , 1973, 36, 89-96.	0.2	51
147	Improved chromatography: prearranged distances between boronate groups by the molecular imprinting approach. <i>Journal of Chromatography A</i> , 1987, 396, 374-377.	1.8	51
148	Enzyme purification by genetically attached polycysteine and polyphenylalanine affinity tails. <i>Analytical Biochemistry</i> , 1988, 172, 330-337.	1.1	51
149	[3] Tresyl chloride-activated supports for enzyme immobilization. <i>Methods in Enzymology</i> , 1987, 135, 65-78.	0.4	50
150	Aspects on 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, 71-78.	0.2	49
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