

Toshifumi Takeuchi

List of Publications by Year in descending order

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271
papers

9,128
citations

31976

53
h-index

62596

80
g-index

295
all docs

295
docs citations

295
times ranked

5649
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation and sensing based on molecular recognition using molecularly imprinted polymers. <i>Biomedical Applications</i> , 1999, 728, 1-20.	1.7	300
2	A molecularly imprinted synthetic polymer receptor selective for atrazine. <i>Analytical Chemistry</i> , 1995, 67, 4404-4408.	6.5	262
3	Molecular recognition in continuous polymer rods prepared by a molecular imprinting technique. <i>Analytical Chemistry</i> , 1993, 65, 2223-2224.	6.5	250
4	Combinatorial Molecular Imprinting: An Approach to Synthetic Polymer Receptors. <i>Analytical Chemistry</i> , 1999, 71, 285-290.	6.5	246
5	Tolerance of microalgae to high CO ₂ and high temperature. <i>Phytochemistry</i> , 1992, 31, 3345-3348.	2.9	230
6	A comparison of screening methods for antioxidant activity in seaweeds. <i>Journal of Applied Phycology</i> , 1997, 9, 29-35.	2.8	196
7	Solid-phase Extraction of a Triazine Herbicide Using a Molecularly Imprinted Synthetic Receptor. <i>Analytical Communications</i> , 1997, 34, 85-87.	2.2	170
8	Atrazine-Selective Polymers Prepared by Molecular Imprinting of Trialkylmelamines as Dummy Template Species of Atrazine. <i>Analytical Chemistry</i> , 2000, 72, 1810-1813.	6.5	147
9	Molecular imprinting of proteins emerging as a tool for protein recognition. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2459.	2.8	145
10	Surface plasmon resonance sensor using molecularly imprinted polymer for detection of sialic acid. <i>Biosensors and Bioelectronics</i> , 2001, 16, 1059-1062.	10.1	129
11	Atrazine Sensor Based on Molecularly Imprinted Polymer-Modified Gold Electrode. <i>Analytical Chemistry</i> , 2003, 75, 4882-4886.	6.5	119
12	Molecularly Imprinted Polymer as 9-Ethyladenine Receptor Having a Porphyrin-Based Recognition Center. <i>Journal of the American Chemical Society</i> , 2000, 122, 5218-5219.	13.7	117
13	Molecularly Imprinted Nanogels Acquire Stealth In Situ by Cloaking Themselves with Native Dysopsonic Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7088-7092.	13.8	115
14	Gas-Phase Biosensor for Ethanol. <i>Analytical Chemistry</i> , 1994, 66, 3297-3302.	6.5	103
15	Molecular imprinting: An approach to "tailor-made" synthetic polymers with biomimetic functions. <i>Acta Polymerica</i> , 1996, 47, 471-480.	0.9	101
16	Metal ion mediated recognition in molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 1996, 335, 71-77.	5.4	91
17	Solid-phase extraction with a dibutylmelamine-imprinted polymer as triazine herbicide-selective sorbent. <i>Journal of Chromatography A</i> , 2000, 889, 25-31.	3.7	90
18	Beyond natural antibodies "a new generation of synthetic antibodies created by post-imprinting modification of molecularly imprinted polymers. <i>Chemical Communications</i> , 2018, 54, 6243-6251.	4.1	88

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19	Bisphenol A-recognition polymers prepared by covalent molecular imprinting. <i>Analytica Chimica Acta</i> , 2004, 504, 131-135.	5.4	87
20	A Pretreatment-Free, Polymer-Based Platform Prepared by Molecular Imprinting and Post-Imprinting Modifications for Sensing Intact Exosomes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1612-1615.	13.8	87
21	Integration of enzyme-immobilized column with electrochemical flow cell using micromachining techniques for a glucose detection system. <i>Analytical Chemistry</i> , 1993, 65, 2731-2735.	6.5	86
22	A Biomimetic Receptor System for Sialic Acid Based on Molecular Imprinting. <i>Analytical Letters</i> , 1996, 29, 157-170.	1.8	85
23	Molecularly Imprinted Polymer-Coated Quartz Crystal Microbalance for Detection of Biological Hormone. <i>Electroanalysis</i> , 1999, 11, 1158-1160.	2.9	82
24	Molecularly Imprinted Polymers with Metalloporphyrin-Based Molecular Recognition Sites Coassembled with Methacrylic Acid. <i>Analytical Chemistry</i> , 2001, 73, 3869-3874.	6.5	82
25	A novel BOD sensor based on bacterial luminescence. <i>Biotechnology and Bioengineering</i> , 1993, 41, 1107-1111.	3.3	80
26	Surface plasmon resonance sensor for lysozyme based on molecularly imprinted thin films. <i>Analytica Chimica Acta</i> , 2007, 591, 63-67.	5.4	80
27	Molecular Imprinting of Biotin Derivatives and Its Application to Competitive Binding Assay Using Nonisotopic Labeled Ligands. <i>Analytical Chemistry</i> , 2000, 72, 2418-2422.	6.5	79
28	A Programmable Signaling Molecular Recognition Nanocavity Prepared by Molecular Imprinting and Post-Imprinting Modifications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13023-13027.	13.8	79
29	Protein-Templated Organic/Inorganic Hybrid Materials Prepared by Liquid-Phase Deposition. <i>Journal of the American Chemical Society</i> , 2007, 129, 10906-10910.	13.7	78
30	Antibody-Conjugated Signaling Nanocavities Fabricated by Dynamic Molding for Detecting Cancers Using Small Extracellular Vesicle Markers from Tears. <i>Journal of the American Chemical Society</i> , 2020, 142, 6617-6624.	13.7	74
31	Recognition of barbiturates in molecularly imprinted copolymers using multiple hydrogen bonding. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2303.	2.0	73
32	Molecular recognition in cinchona alkaloid molecular imprinted polymer rods. <i>Analytica Chimica Acta</i> , 1998, 365, 89-93.	5.4	71
33	Accelerated rejection of Fas ligand-expressing heart grafts. <i>Journal of Immunology</i> , 1999, 162, 518-22.	0.8	69
34	Molecularly imprinted polymers which mimic multiple hydrogen bonds between nucleotide bases. <i>Analytica Chimica Acta</i> , 1998, 363, 111-117.	5.4	68
35	Fluorescent protein recognition polymer thin films capable of selective signal transduction of target binding events prepared by molecular imprinting with a post-imprinting treatment. <i>Biosensors and Bioelectronics</i> , 2010, 26, 458-462.	10.1	67
36	Molecularly imprinted polymers with halogen bonding-based molecular recognition sites. <i>Tetrahedron Letters</i> , 2005, 46, 9025-9027.	1.4	66

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37	Fluorescent protein-imprinted polymers capable of signal transduction of specific binding events prepared by a site-directed two-step post-imprinting modification. <i>Chemical Communications</i> , 2014, 50, 1347-1349.	4.1	66
38	A Pretreatment-Free, Polymer-Based Platform Prepared by Molecular Imprinting and Post-Imprinting Modifications for Sensing Intact Exosomes. <i>Angewandte Chemie</i> , 2019, 131, 1626-1629.	2.0	66
39	Molecularly Imprinted Tunable Binding Sites Based on Conjugated Prosthetic Groups and Ion-Paired Cofactors. <i>Journal of the American Chemical Society</i> , 2009, 131, 8833-8838.	13.7	65
40	Localized Surface Plasmon Resonance Nanosensing of C-Reactive Protein with Poly(2-methacryloyloxyethyl phosphorylcholine)-Grafted Gold Nanoparticles Prepared by Surface-Initiated Atom Transfer Radical Polymerization. <i>Analytical Chemistry</i> , 2014, 86, 5587-5594.	6.5	65
41	Rod-Type Affinity Media for Liquid Chromatography Prepared by in-situ-Molecular Imprinting. <i>Analytical Sciences</i> , 1995, 11, 1017-1019.	1.6	64
42	Highly stereoselective molecularly imprinted polymer synthetic receptors for cinchona alkaloids. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1357-1361.	1.8	64
43	Conjugated-Protein Mimics with Molecularly Imprinted Reconstructible and Transformable Regions that are Assembled Using Space-Filling Prosthetic Groups. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12765-12770.	13.8	62
44	Application of a linear alkylbenzene sulfonate biosensor to river water monitoring. <i>Biosensors and Bioelectronics</i> , 1998, 13, 1047-1053.	10.1	61
45	Fluorescent Imprinted Polymers Prepared with 2-Acrylamidoquinoline as a Signaling Monomer. <i>Organic Letters</i> , 2005, 7, 359-362.	4.6	60
46	SPR Sensing of Bisphenol A Using Molecularly Imprinted Nanoparticles Immobilized on Slab Optical Waveguide with Consecutive Parallel Au and Ag Deposition Bands Coexistent with Bisphenol A-Immobilized Au Nanoparticles. <i>Langmuir</i> , 2012, 28, 7083-7088.	3.5	59
47	Fluorescent molecularly imprinted polymer thin films for specific protein detection prepared with dansyl ethylenediamine-conjugated O-acryloyl L-hydroxyproline. <i>Biosensors and Bioelectronics</i> , 2013, 48, 113-119.	10.1	59
48	Dopamine selective molecularly imprinted polymers via post-imprinting modification. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 565.	2.8	58
49	Molecularly imprinted polymers prepared using protein-conjugated cleavable monomers followed by site-specific post-imprinting introduction of fluorescent reporter molecules. <i>Chemical Communications</i> , 2013, 49, 8450.	4.1	58
50	Enantioselective solvent extraction of neutral DL-amino acids in two-phase systems containing N-n-alkyl-L-proline derivatives and copper(II) ion. <i>Analytical Chemistry</i> , 1984, 56, 1152-1155.	6.5	57
51	Molecularly Imprinted Tailor-Made Functional Polymer Receptors for Highly Sensitive and Selective Separation and Detection of Target Molecules. <i>Chromatography</i> , 2016, 37, 43-64.	1.7	57
52	A Molecularly Imprinted Polymer Rod as Nicotine Selective Affinity Media Prepared With 2-(Trifluoromethyl)acrylic Acid. <i>Analytical Communications</i> , 1997, 34, 199-200.	2.2	56
53	Oncogenic miRNAs Identified in Tear Exosomes From Metastatic Breast Cancer Patients. <i>Anticancer Research</i> , 2020, 40, 3091-3096.	1.1	56
54	2-(Trifluoromethyl)acrylic acid: a novel functional monomer in non-covalent molecular imprinting. <i>Analytica Chimica Acta</i> , 1997, 343, 1-4.	5.4	55

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55	Quantitative determination of cyanobacteria in mixed phytoplankton assemblages by an in vivo fluorimetric method. <i>Analytica Chimica Acta</i> , 1995, 302, 81-87.	5.4	53
56	Roles of the glutamate receptor $\hat{\mu}2$ and $\hat{I}2$ subunits in the potentiation and prepulse inhibition of the acoustic startle reflex. <i>European Journal of Neuroscience</i> , 2001, 14, 153-160.	2.6	51
57	Precisely controlled molecular imprinting of glutathione-s-transferase by orientated template immobilization using specific interaction with an anchored ligand on a gold substrate. <i>Polymer Chemistry</i> , 2014, 5, 4764-4771.	3.9	50
58	A Novel Microbial Sensor for Anionic Surfactant Determination. <i>Analytical Letters</i> , 1994, 27, 3095-3108.	1.8	48
59	Recognition in Novel Molecularly Imprinted Polymer Sialic Acid Receptors in Aqueous Media. <i>Analytical Letters</i> , 1996, 29, 1099-1107.	1.8	48
60	Atrazine-selective Polymer Prepared by Molecular Imprinting Technique. <i>Chemistry Letters</i> , 1995, 24, 489-489.	1.3	47
61	Highly selective bisphenol A-imprinted polymers prepared by atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2010, 1, 1684.	3.9	47
62	Signaling molecularly imprinted polymers: molecular recognition-based sensing materials. <i>Chemical Record</i> , 2005, 5, 263-275.	5.8	46
63	A novel biosensor system for the determination of phosphate. <i>Journal of Biotechnology</i> , 1996, 48, 67-72.	3.8	44
64	Stereoselective recognition of dipeptide derivatives in molecularly imprinted polymers which incorporate an l-valine derivative as a novel functional monomer. <i>Analytica Chimica Acta</i> , 1997, 357, 91-98.	5.4	44
65	Synthesis of 5-fluorouracil-imprinted polymers with multiple hydrogen bonding interactions. <i>Analyst</i> , The, 2001, 126, 772-774.	3.5	43
66	Protein profiling by protein imprinted polymer array. <i>Analyst</i> , The, 2007, 132, 101-103.	3.5	42
67	Molecularly Imprinted Protein Recognition Cavities Bearing Exchangeable Binding Sites for Postimprinting Site-Directed Introduction of Reporter Molecules for Readout of Binding Events. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20003-20009.	8.0	42
68	Recognition of Sialic Acid Using Molecularly Imprinted Polymer. <i>Analytical Letters</i> , 1995, 28, 2317-2323.	1.8	41
69	Sialic Acid Imprinted Polymer-Coated Quartz Crystal Microbalance. <i>Electroanalysis</i> , 2000, 12, 1322-1326.	2.9	41
70	Label-free detection of C-reactive protein using reflectometric interference spectroscopy-based sensing system. <i>Analytica Chimica Acta</i> , 2012, 728, 64-68.	5.4	40
71	Synthesis of Monodispersed Submillimeter-Sized Molecularly Imprinted Particles Selective for Human Serum Albumin Using Inverse Suspension Polymerization in Water-in-Oil Emulsion Prepared Using Microfluidics. <i>Langmuir</i> , 2015, 31, 4981-4987.	3.5	40
72	MURINE INTERLEUKIN 4 TRANSGENIC HEART ALLOGRAFT SURVIVAL PROLONGED WITH DOWN-REGULATION OF THE TH1 CYTOKINE mRNA IN GRAFTS. <i>Transplantation</i> , 1997, 64, 152-157.	1.0	39

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73	In vivo fluorometric method for early detection of cyanobacterial waterblooms. <i>Journal of Applied Phycology</i> , 1994, 6, 489-495.	2.8	38
74	Multisample Analysis Using an Array of Microreactors for an Alternating-Current Field-Enhanced Latex Immunoassay. <i>Analytical Chemistry</i> , 1994, 66, 778-781.	6.5	38
75	Th2-like response and antitumor effect of anti-interleukin-4 mAb in mice bearing renal cell carcinoma. <i>Cancer Immunology, Immunotherapy</i> , 1997, 43, 375-381.	4.2	38
76	Photoresponsive porphyrin-imprinted polymers prepared using a novel functional monomer having diaminopyridine and azobenzene moieties. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2368.	2.8	38
77	Fluoro-functionalized Molecularly Imprinted Polymers Selective for Herbicides. <i>Chemistry Letters</i> , 1995, 24, 1007-1008.	1.3	37
78	Molecularly imprinted receptor having metalloporphyrin-based signaling binding site. <i>Analytical Communications</i> , 1998, 35, 225-227.	2.2	37
79	Molecularly Imprinted Polymer Arrays as Synthetic Protein Chips Prepared by Transcription-type Molecular Imprinting by Use of Protein-Immobilized Dots as Stamps. <i>Analytical Chemistry</i> , 2015, 87, 11784-11791.	6.5	37
80	Phosphate sensing system using pyruvate oxidase and chemiluminescence detection. <i>Biosensors and Bioelectronics</i> , 1996, 11, 959-965.	10.1	36
81	Molecularly imprinted protein recognition thin films constructed by controlled/living radical polymerization. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 200-205.	2.2	36
82	A molecularly imprinted nanocavity-based fluorescence polarization assay platform for cortisol sensing. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1770-1777.	5.8	36
83	Selective flow-injection determination of methanol in the presence of ethanol based on a multi-enzyme system with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1993, 280, 179-184.	5.4	35
84	Post-oxidative conversion of thiol residue to sulfonic acid in the binding sites of molecularly imprinted polymers: Disulfide based covalent molecular imprinting for basic compounds. <i>Analyst</i> , The, 2002, 127, 1407-1409.	3.5	35
85	Multivariate Analysis and Experimental Design in the Screening of Combinatorial Libraries of Molecularly Imprinted Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1354-1361.	3.2	35
86	Flexible humidity sensor in a sandwich configuration with a hydrophilic porous membrane. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 28-32.	7.8	35
87	Orientationally Fabricated Zwitterionic Molecularly Imprinted Nanocavities for Highly Sensitive Glycoprotein Recognition. <i>Langmuir</i> , 2019, 35, 1320-1326.	3.5	35
88	High seropositivity for <i>Entamoeba histolytica</i> infection in Japanese homosexual men: further evidence for the occurrence of pathogenic strains. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1990, 84, 250-251.	1.8	34
89	Nafion-coated carbon fiber for acetylcholine and choline sensors. <i>Electroanalysis</i> , 1993, 5, 17-22.	2.9	34
90	Chemiluminescence Detection of Red Tide Phytoplankton <i>Chattonella marina</i> . <i>Analytical Chemistry</i> , 1995, 67, 225-228.	6.5	34

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91	Novel strategy for molecular imprinting of phenolic compounds utilizing disulfide templates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 30, 1943-1947.	2.8	34
92	A Molecularly Imprinted Nicotine-Selective Polymer. <i>Analytical Letters</i> , 1996, 29, 2071-2078.	1.8	33
93	Molecularly Imprinted Nanogels Acquire Stealth In Situ by Cloaking Themselves with Native Dysopsonic Proteins. <i>Angewandte Chemie</i> , 2017, 129, 7194-7198.	2.0	33
94	Resolution of DL-Valine by Countercurrent Solvent Extraction with Continuous Sample Feeding. <i>Separation Science and Technology</i> , 1990, 25, 941-951.	2.5	32
95	Direct enantiomeric separation of β -amino acids and β -amino alcohols by ligand-exchange chromatography. <i>Journal of Chromatography A</i> , 1991, 540, 169-175.	3.7	32
96	Synthesis of castasterone selective polymers prepared by molecular imprinting. <i>Analytica Chimica Acta</i> , 1998, 365, 75-79.	5.4	32
97	Molecularly Imprinted Fluorescent-Shift Receptors Prepared with 2-(Trifluoromethyl)acrylic Acid. <i>Analytical Chemistry</i> , 2000, 72, 3286-3290.	6.5	32
98	Complete resolution of dl-isoleucine by droplet counter-current chromatography. <i>Journal of Chromatography A</i> , 1984, 284, 285-288.	3.7	31
99	Carbon dioxide fixation by a unicellular green alga <i>Oocystis</i> sp. <i>Journal of Biotechnology</i> , 1992, 25, 261-267.	3.8	31
100	Modulation of growth and apoptosis response in PC-3 and LNCAP prostate-cancer cell lines by FAS. , 1996, 67, 709-714.		31
101	Preparation of sterol-imprinted polymers with the use of 2-(methacryloyloxy)ethyl phosphate. <i>Journal of Chromatography A</i> , 2001, 938, 131-135.	3.7	31
102	Miniaturized Molecularly Imprinted Continuous Polymer Rods. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 44-46.	1.4	30
103	MOLECULARLY IMPRINTED POLYMER LIBRARY ON A MICROTITER PLATE. HIGH THROUGHPUT SYNTHESIS AND ASSESSMENT OF CINCHONA ALKALOID-IMPRINTED POLYMERS. <i>Instrumentation Science and Technology</i> , 2001, 29, 1-9.	1.8	30
104	A flexible biosensor for glucose. <i>Electroanalysis</i> , 1995, 7, 83-87.	2.9	29
105	Application of indoleacetic acid-imprinted polymer to solid phase extraction. <i>Analytica Chimica Acta</i> , 1999, 395, 251-255.	5.4	29
106	A plasmonic chip-based bio/chemical hybrid sensing system for the highly sensitive detection of C-reactive protein. <i>Chemical Communications</i> , 2016, 52, 3883-3886.	4.1	29
107	Oriented, molecularly imprinted cavities with dual binding sites for highly sensitive and selective recognition of cortisol. <i>Royal Society Open Science</i> , 2017, 4, 170300.	2.4	29
108	Site-specific post-imprinting modification of molecularly imprinted polymer nanocavities with a modifiable functional monomer for prostate cancer biomarker recognition. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 305-312.	6.1	29

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109	Atrazine transforming polymer prepared by molecular imprinting with post-imprinting process. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4469.	2.8	28
110	Molecularly Imprinted Nanogels Capable of Porcine Serum Albumin Detection in Raw Meat Extract for Halal Food Control. <i>Analytical Chemistry</i> , 2020, 92, 6401-6407.	6.5	28
111	Molecularly imprinted polymer nanogel-based fluorescence sensing of pork contamination in halal meat extracts. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112775.	10.1	28
112	Micro-choline sensor for acetylcholinesterase determination. <i>Analytica Chimica Acta</i> , 1993, 281, 673-679.	5.4	27
113	Renal Primitive Neuroectodermal Tumor. <i>Diagnostic Molecular Pathology</i> , 1997, 6, 309-317.	2.1	27
114	Fabrication of Carboxylated Silicon Nitride Sensor Chips for Detection of Antigen-Antibody Reaction Using Microfluidic Reflectometric Interference Spectroscopy. <i>Langmuir</i> , 2012, 28, 13609-13615.	3.5	27
115	Regulation of protein-binding activities of molecularly imprinted polymers via post-imprinting modifications to exchange functional groups within the imprinted cavity. <i>Journal of Molecular Recognition</i> , 2018, 31, e2633.	2.1	27
116	Gold Nanoparticle-Incorporated Molecularly Imprinted Microgels as Radiation Sensitizers in Pancreatic Cancer. <i>ACS Applied Bio Materials</i> , 2019, 2, 1177-1183.	4.6	27
117	Atrazine-imprinted Microspheres Prepared Using a Microfluidic Device. <i>Chemistry Letters</i> , 2006, 35, 588-589.	1.3	26
118	Supraparticles comprised of molecularly imprinted nanoparticles and modified gold nanoparticles as a nanosensor platform. <i>RSC Advances</i> , 2013, 3, 25306.	3.6	26
119	Behavior of cell aggregate of <i>Carthamus tinctorius</i> L. cultured cells and correlation with red pigment formation. <i>Journal of Biotechnology</i> , 1993, 30, 259-269.	3.8	25
120	Protein imprinted TiO ₂ -coated quantum dots for fluorescent protein sensing prepared by liquid phase deposition. <i>Soft Matter</i> , 2011, 7, 9681.	2.7	25
121	Flexible conductometric sensor. <i>Analytical Chemistry</i> , 1993, 65, 3586-3590.	6.5	24
122	Preparation of molecularly imprinted polymers for the recognition of proteins via the generation of peptide-fragment binding sites by semi-covalent imprinting and enzymatic digestion. <i>Analyst</i> , The, 2015, 140, 1448-1452.	3.5	24
123	Nonisotopic Receptor Assay for Benzodiazepine Drugs Using Time-Resolved Fluorometry. <i>Analytical Chemistry</i> , 1995, 67, 2655-2658.	6.5	23
124	Renal primitive neuroectodermal tumor: An immunohistochemical and cytogenetic analysis. <i>Pathology International</i> , 1996, 46, 292-297.	1.3	23
125	Design and Preparation of Molecularly Imprinted Atrazine-Receptor Polymers: Investigation of Functional Monomers and Solvents.. <i>Analytical Sciences</i> , 1998, 14, 699-702.	1.6	23
126	Effects of 2-Hydroxyethyl Methacrylate on Polymer Network and Interaction in Hydrophilic Molecularly Imprinted Polymers.. <i>Analytical Sciences</i> , 1999, 15, 29-33.	1.6	23

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127	Multiple hydrogen bonding-based fluorescent imprinted polymers for cyclobarbitol prepared with 2,6-bis(acrylamido)pyridine. <i>Chemical Communications</i> , 2003, , 2792.	4.1	23
128	Synthetic polymers adsorbing bisphenol ₂ A and its analogues prepared by covalent molecular imprinting using bisphenol ₂ A dimethacrylate as a template molecule. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1898-1902.	3.7	23
129	Hydrophilic molecularly imprinted polymers for bisphenol A prepared in aqueous solution. <i>Mikrochimica Acta</i> , 2013, 180, 1387-1392.	5.0	23
130	Post-Imprinting-Modified Molecularly Imprinted Nanocavities with Two Synergetic, Orthogonal, Glycoprotein-Binding Sites to Transduce Binding Events into Fluorescence Changes. <i>ChemNanoMat</i> , 2019, 5, 224-229.	2.8	23
131	Signalling molecular recognition nanocavities with multiple functional groups prepared by molecular imprinting and sequential post-imprinting modifications for prostate cancer biomarker glycoprotein detection. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7987-7993.	5.8	23
132	Ultra micro glutamate sensor using platinized carbon-fiber electrode and integrated counter electrode. <i>Sensors and Actuators B: Chemical</i> , 1993, 10, 179-184.	7.8	22
133	Combinatorial Molecular Imprinting for Formation of Atrazine Decomposing Polymers. <i>Chemistry Letters</i> , 2001, 30, 530-531.	1.3	22
134	Crystallized Protein-imprinted Polymer Chips. <i>Chemistry Letters</i> , 2006, 35, 1030-1031.	1.3	22
135	Post-Cross-Linked Molecular Imprinting with Functional Polymers as a Universal Building Block for Artificial Polymeric Receptors. <i>Macromolecules</i> , 2017, 50, 7526-7534.	4.8	22
136	Biosensing based on NADH detection coupled to electrogenerated chemiluminescence from ruthenium tris(2,2'-bipyridine). <i>Talanta</i> , 1994, 41, 1035-1040.	5.5	21
137	Synthesis of grafted phosphorylcholine polymer layers as specific recognition ligands for C-reactive protein focused on grafting density and thickness to achieve highly sensitive detection. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9951-9958.	2.8	21
138	Covalent molecular imprinting of bisphenol A using its diesters followed by the reductive cleavage with LiAlH ₄ . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 804, 197-201.	2.3	20
139	Dummy Template-Imprinted Polymers for Bisphenol A Prepared Using a Schiff Base-Type Template Molecule with Post-Imprinting Oxidation. <i>Analytical Letters</i> , 2012, 45, 1204-1213.	1.8	20
140	Post-imprinting and In-Cavity Functionalization. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2015, 150, 95-106.	1.1	20
141	Primary pulmonary hypertension in pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 1988, 26, 145-150.	2.3	19
142	A Molecularly Imprinted Polymer for the Reconstruction of a Molecular Recognition Region. <i>Chemistry Letters</i> , 2008, 37, 1028-1029.	1.3	19
143	Efficient Pathway for Preparing Hollow Particles: Site-Specific Crosslinking of Spherical Polymer Particles with Photoresponsive Groups That Play a Dual Role in Shell Crosslinking and Core Shielding. <i>Langmuir</i> , 2016, 32, 9245-9253.	3.5	19
144	Fluorescence signaling molecularly imprinted polymers for antibiotics prepared via site-directed post-imprinting introduction of plural fluorescent reporters within the recognition cavity. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7138-7145.	5.8	19

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145	Mediated micro-glucose sensors using 2 μ m platinum electrodes. <i>Electroanalysis</i> , 1992, 4, 859-864.	2.9	18
146	Total urinary protein sensor based on a piezoelectric quartz crystal. <i>Analytica Chimica Acta</i> , 1994, 292, 65-70.	5.4	18
147	Micromachined electrochemical flow cell for biosensing. <i>Electroanalysis</i> , 1994, 6, 735-739.	2.9	18
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