

S S Piletsky

List of Publications by Year in descending order

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296
papers

18,684
citations

10956

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125
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303
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303
docs citations

303
times ranked

11225
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical methods for determination of mycotoxins: A review. <i>Analytica Chimica Acta</i> , 2009, 632, 168-180.	2.6	716
2	The rational development of molecularly imprinted polymer-based sensors for protein detection. <i>Chemical Society Reviews</i> , 2011, 40, 1547-1571.	18.7	640
3	Molecularly imprinted polymers for the recognition of proteins: The state of the art. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1131-1137.	5.3	482
4	Molecularly Imprinted Polymers in Electrochemical and Optical Sensors. <i>Trends in Biotechnology</i> , 2019, 37, 294-309.	4.9	403
5	Electrochemical Sensor for Catechol and Dopamine Based on a Catalytic Molecularly Imprinted Polymer-Conducting Polymer Hybrid Recognition Element. <i>Analytical Chemistry</i> , 2009, 81, 3576-3584.	3.2	354
6	Surface-Grafted Molecularly Imprinted Polymers for Protein Recognition. <i>Analytical Chemistry</i> , 2001, 73, 5281-5286.	3.2	340
7	MIP sensors – the electrochemical approach. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1827-1846.	1.9	315
8	Solid-Phase Synthesis of Molecularly Imprinted Polymer Nanoparticles with a Reusable Template – Plastic Antibodies. <i>Advanced Functional Materials</i> , 2013, 23, 2821-2827.	7.8	313
9	Advances in the manufacture of MIP nanoparticles. <i>Trends in Biotechnology</i> , 2010, 28, 629-637.	4.9	309
10	Rational Design of a Polymer Specific for Microcystin-LR Using a Computational Approach. <i>Analytical Chemistry</i> , 2002, 74, 1288-1293.	3.2	284
11	Solid-phase synthesis of molecularly imprinted nanoparticles. <i>Nature Protocols</i> , 2016, 11, 443-455.	5.5	282
12	Recognition of ephedrine enantiomers by molecularly imprinted polymers designed using a computational approach. <i>Analyst</i> , The, 2001, 126, 1826-1830.	1.7	272
13	Ammonia sensors based on sensitive polyaniline films. <i>Sensors and Actuators B: Chemical</i> , 1996, 37, 135-140.	4.0	268
14	Receptor and transport properties of imprinted polymer membranes – a review. <i>Journal of Membrane Science</i> , 1999, 157, 263-278.	4.1	259
15	Electropolymerized Molecularly Imprinted Polymers as Receptor Layers in Capacitive Chemical Sensors. <i>Analytical Chemistry</i> , 1999, 71, 4609-4613.	3.2	258
16	How to find effective functional monomers for effective molecularly imprinted polymers?. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 1795-1808.	6.6	229
17	Surface Functionalization of Porous Polypropylene Membranes with Molecularly Imprinted Polymers by Photograft Copolymerization in Water. <i>Macromolecules</i> , 2000, 33, 3092-3098.	2.2	206
18	Size matters: Challenges in imprinting macromolecules. <i>Progress in Polymer Science</i> , 2014, 39, 145-163.	11.8	195

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19	Analytical methods for determination of mycotoxins: An update (2009–2014). <i>Analytica Chimica Acta</i> , 2015, 901, 12-33.	2.6	190
20	Direct Replacement of Antibodies with Molecularly Imprinted Polymer Nanoparticles in ELISA—Development of a Novel Assay for Vancomycin. <i>Analytical Chemistry</i> , 2013, 85, 8462-8468.	3.2	186
21	Molecular imprinting: at the edge of the third millennium. <i>Trends in Biotechnology</i> , 2001, 19, 9-12.	4.9	185
22	Atrazine sensing by molecularly imprinted membranes. <i>Biosensors and Bioelectronics</i> , 1995, 10, 959-964.	5.3	183
23	Imprinted Membranes for Sensor Technology: Opposite Behavior of Covalently and Noncovalently Imprinted Membranes. <i>Macromolecules</i> , 1998, 31, 2137-2140.	2.2	181
24	Selective recognition of atrazine by molecularly imprinted polymer membranes. Development of conductometric sensor for herbicides detection. <i>Analytica Chimica Acta</i> , 1999, 392, 105-111.	2.6	177
25	Substitution of antibodies and receptors with molecularly imprinted polymers in enzyme-linked and fluorescent assays. <i>Biosensors and Bioelectronics</i> , 2001, 16, 701-707.	5.3	175
26	MIP-based solid phase extraction cartridges combined with MIP-based sensors for the detection of microcystin-LR. <i>Biosensors and Bioelectronics</i> , 2003, 18, 119-127.	5.3	172
27	Study of the nature of recognition in molecularly imprinted polymers, II. <i>Journal of Chromatography A</i> , 1999, 848, 39-49.	1.8	169
28	“Bite-and-Switch” approach using computationally designed molecularly imprinted polymers for sensing of creatinine. Editors Selection. <i>Biosensors and Bioelectronics</i> , 2001, 16, 631-637.	5.3	168
29	Surface plasmon resonance sensor for domoic acid based on grafted imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2004, 20, 145-152.	5.3	164
30	Molecularly Imprinted Polymers for Cell Recognition. <i>Trends in Biotechnology</i> , 2020, 38, 368-387.	4.9	162
31	Detection of Waterborne Viruses Using High Affinity Molecularly Imprinted Polymers. <i>Analytical Chemistry</i> , 2015, 87, 6801-6807.	3.2	157
32	Molecularly imprinted polymer membranes for substance-selective solid-phase extraction from water by surface photo-grafting polymerization. <i>Journal of Chromatography A</i> , 2001, 907, 89-99.	1.8	156
33	Optical Detection of Chloramphenicol Using Molecularly Imprinted Polymers. <i>Analytical Chemistry</i> , 1997, 69, 2017-2021.	3.2	154
34	Chemical Grafting of Molecularly Imprinted Homopolymers to the Surface of Microplates. Application of Artificial Adrenergic Receptor in Enzyme-Linked Assay for β^2 -Agonists Determination. <i>Analytical Chemistry</i> , 2000, 72, 4381-4385.	3.2	153
35	Optical interrogation of molecularly imprinted polymers and development of MIP sensors: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 947-956.	1.9	142
36	In Vitro Diagnostics in Diabetes: Meeting the Challenge. <i>Clinical Chemistry</i> , 1999, 45, 1596-1601.	1.5	141

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37	Computational approaches in the design of synthetic receptors – A review. <i>Analytica Chimica Acta</i> , 2016, 936, 62-74.	2.6	136
38	Molecularly imprinted polymers in clinical diagnostics – Future potential and existing problems. <i>Medical Engineering and Physics</i> , 2006, 28, 971-977.	0.8	134
39	Effect of the solvent on recognition properties of molecularly imprinted polymer specific for ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1060-1067.	5.3	130
40	Surface imprinted beads for the recognition of human serum albumin. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2322-2328.	5.3	128
41	Specific Drug Delivery to Cancer Cells with Double-Imprinted Nanoparticles against Epidermal Growth Factor Receptor. <i>Nano Letters</i> , 2018, 18, 4641-4646.	4.5	128
42	Combined Hydrophobic and Electrostatic Interaction-Based Recognition in Molecularly Imprinted Polymers. <i>Macromolecules</i> , 1999, 32, 633-636.	2.2	127
43	Conductimetric sensor for atrazine detection based on molecularly imprinted polymer membranes. <i>Analyst</i> , The, 1999, 124, 331-334.	1.7	125
44	Computational design and synthesis of molecularly imprinted polymers with high binding capacity for pharmaceutical applications-model case: Adsorbent for abacavir. <i>Analytica Chimica Acta</i> , 2006, 559, 73-78.	2.6	118
45	Polymeric nanoparticles for optical sensing. <i>Biotechnology Advances</i> , 2013, 31, 1585-1599.	6.0	118
46	An Assay for Ascorbic Acid Based on Polyaniline-Coated Microplates. <i>Analytical Chemistry</i> , 2000, 72, 4296-4300.	3.2	115
47	Development of a sensor prepared by entrapment of MIP particles in electrosynthesised polymer films for electrochemical detection of ephedrine. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1152-1156.	5.3	115
48	Molecularly imprinted self-assembled films with specificity to cholesterol. <i>Sensors and Actuators B: Chemical</i> , 1999, 60, 216-220.	4.0	114
49	Application of Natural Receptors in Sensors and Assays. <i>Analytical Chemistry</i> , 2002, 74, 3942-3951.	3.2	114
50	Strategies for Molecular Imprinting and the Evolution of MIP Nanoparticles as Plastic Antibodies – Synthesis and Applications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6304.	1.8	109
51	In Vivo Recognition of Human Vascular Endothelial Growth Factor by Molecularly Imprinted Polymers. <i>Nano Letters</i> , 2017, 17, 2307-2312.	4.5	108
52	Polymer Cookery: Influence of Polymerization Conditions on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2002, 35, 7499-7504.	2.2	106
53	Influence of the Polymerization Conditions on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2009, 42, 4921-4928.	2.2	102
54	A Spreader-Bar Approach to Molecular Architecture: Formation of Stable Artificial Chemoreceptors. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1108-1110.	7.2	101

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55	Catalytic molecularly imprinted polymer membranes: Development of the biomimetic sensor for phenols detection. <i>Analytica Chimica Acta</i> , 2010, 659, 274-279.	2.6	101
56	Development of a smartphone-based biomimetic sensor for aflatoxin B1 detection using molecularly imprinted polymer membranes. <i>Talanta</i> , 2019, 201, 204-210.	2.9	100
57	Influence of initiator and different polymerisation conditions on performance of molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , 2006, 22, 381-387.	5.3	97
58	A Polyaniline with Near-Infrared Optical Response to Saccharides. <i>Advanced Materials</i> , 1999, 11, 865-868.	11.1	95
59	A comparison of the performance of molecularly imprinted polymer nanoparticles for small molecule targets and antibodies in the ELISA format. <i>Scientific Reports</i> , 2016, 6, 37638.	1.6	94
60	Hierachically Structured Hollow Silica Spheres for High Efficiency Immobilization of Enzymes. <i>Advanced Functional Materials</i> , 2013, 23, 2162-2167.	7.8	92
61	A Biomimetic Receptor System for Sialic Acid Based on Molecular Imprinting. <i>Analytical Letters</i> , 1996, 29, 157-170.	1.0	85
62	Selection of imprinted nanoparticles by affinity chromatography. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2740-2743.	5.3	84
63	Automatic reactor for solid-phase synthesis of molecularly imprinted polymeric nanoparticles (MIP) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	84
64	NanoMIP based optical sensor for pharmaceuticals monitoring. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 305-313.	4.0	84
65	Design of molecular imprinted polymers compatible with aqueous environment. <i>Analytica Chimica Acta</i> , 2008, 607, 54-60.	2.6	81
66	Surface-modified multifunctional MIP nanoparticles. <i>Nanoscale</i> , 2013, 5, 3733.	2.8	79
67	Molecularly Imprinted Polymer-Hybrid Electrochemical Sensor for the Detection of $\hat{1}^2$ -Estradiol. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13917-13923.	1.8	79
68	A molecularly imprinted polymer for carbaryl determination in water. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 798-804.	4.0	78
69	Sensors for low-weight organic molecules based on molecular imprinting technique. <i>Sensors and Actuators B: Chemical</i> , 1994, 19, 629-631.	4.0	77
70	Optimization of Hydrophilic Interaction Liquid Chromatography/Mass Spectrometry and Development of Solid-Phase Extraction for the Determination of Paralytic Shellfish Poisoning Toxins. <i>Journal of AOAC INTERNATIONAL</i> , 2008, 91, 1372-1386.	0.7	75
71	Optical Detection System for Triazine Based on Molecularly-Imprinted Polymers. <i>Analytical Letters</i> , 1997, 30, 445-455.	1.0	74
72	Solid-phase synthesis of electroactive nanoparticles of molecularly imprinted polymers. A novel platform for indirect electrochemical sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 174-180.	4.0	73

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73	Porous molecularly imprinted polymer membranes and polymeric particles. <i>Analytica Chimica Acta</i> , 2007, 582, 311-319.	2.6	72
74	Quasi-monodimensional polyaniline nanostructures for enhanced molecularly imprinted polymer-based sensing. <i>Biosensors and Bioelectronics</i> , 2010, 26, 497-503.	5.3	71
75	Controlled release of the herbicide simazine from computationally designed molecularly imprinted polymers. <i>Journal of Controlled Release</i> , 2005, 108, 132-139.	4.8	70
76	Piezoelectric sensors based on molecular imprinted polymers for detection of low molecular mass analytes. <i>FEBS Journal</i> , 2007, 274, 5471-5480.	2.2	69
77	In Situ Formation of Porous Molecularly Imprinted Polymer Membranes. <i>Macromolecules</i> , 2003, 36, 7352-7357.	2.2	68
78	A multi-biosensor based on immobilized Photosystem II on screen-printed electrodes for the detection of herbicides in river water. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1984-1992.	5.3	68
79	Rational design and synthesis of water-compatible molecularly imprinted polymers for selective solid phase extraction of amiodarone. <i>Analytica Chimica Acta</i> , 2012, 709, 98-104.	2.6	68
80	Integration of photosynthetic biosensor with molecularly imprinted polymer-based solid phase extraction cartridge. <i>Analytica Chimica Acta</i> , 2006, 569, 50-57.	2.6	67
81	Detecting and targeting senescent cells using molecularly imprinted nanoparticles. <i>Nanoscale Horizons</i> , 2019, 4, 757-768.	4.1	67
82	Biosensors for marine pollution research, monitoring and control. <i>Marine Pollution Bulletin</i> , 2002, 45, 24-34.	2.3	66
83	Virtual imprinting as a tool to design efficient MIPs for photosynthesis-inhibiting herbicides. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1948-1954.	5.3	66
84	Electrochemical impedimetric sensor based on molecularly imprinted polymers/sol-gel chemistry for methidathion organophosphorous insecticide recognition. <i>Talanta</i> , 2014, 130, 294-298.	2.9	66
85	Immunosensor for okadaic acid using quartz crystal microbalance. <i>Analytica Chimica Acta</i> , 2002, 471, 33-40.	2.6	65
86	Custom synthesis of molecular imprinted polymers for biotechnological application. <i>Analytica Chimica Acta</i> , 2004, 504, 123-130.	2.6	65
87	Gate effect of theophylline-imprinted polymers grafted to the cellulose by living radical polymerization. <i>Journal of Membrane Science</i> , 2004, 233, 169-173.	4.1	65
88	Biotin-specific synthetic receptors prepared using molecular imprinting. <i>Analytica Chimica Acta</i> , 2004, 504, 179-183.	2.6	61
89	Polymer Cookery: Influence of Polymerization Time and Different Initiation Conditions on Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2005, 38, 1410-1414.	2.2	61
90	Cubic Molecularly Imprinted Polymer Nanoparticles with a Fluorescent Core. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5196-5199.	7.2	61

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91	Selective vancomycin detection using optical fibre long period gratings functionalised with molecularly imprinted polymer nanoparticles. <i>Analyst, The</i> , 2014, 139, 2229-2236.	1.7	61
92	Biocompatibility and internalization of molecularly imprinted nanoparticles. <i>Nano Research</i> , 2016, 9, 3463-3477.	5.8	61
93	Substrate-selective polymeric membranes. Selective transfer of nucleic acids components. <i>Biopolymers and Cell</i> , 1990, 6, 55-58.	0.1	61
94	Towards the development of multisensor for drugs of abuse based on molecular imprinted polymers. <i>Analytica Chimica Acta</i> , 2005, 542, 111-117.	2.6	60
95	Computational modeling and molecular imprinting for the development of acrylic polymers with high affinity for bile salts. <i>Analytica Chimica Acta</i> , 2010, 659, 178-185.	2.6	59
96	Highly Efficient Synthesis and Assay of Protein-Imprinted Nanogels by Using Magnetic Templates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 727-730.	7.2	58
97	Spectroscopic studies of the molecular imprinting self-assembly process. , 1998, 11, 83-86.		57
98	On/off-switchable catalysis by a smart enzyme-like imprinted polymer. <i>Journal of Catalysis</i> , 2011, 278, 173-180.	3.1	57
99	Surface functionalization of porous polypropylene membranes with polyaniline for protein immobilization. <i>Biotechnology and Bioengineering</i> , 2003, 82, 86-92.	1.7	56
100	The use of molecularly imprinted polymers for extraction of sulfonylurea herbicides. <i>Analytica Chimica Acta</i> , 2005, 542, 97-103.	2.6	56
101	Passive Control of Quorum Sensing: Prevention of <i>Pseudomonas aeruginosa</i> Biofilm Formation by Imprinted Polymers. <i>Biomacromolecules</i> , 2011, 12, 1067-1071.	2.6	55
102	Rational design of molecularly imprinted polymer: the choice of cross-linker. <i>Analyst, The</i> , 2012, 137, 2623.	1.7	55
103	Colorimetric test-systems for creatinine detection based on composite molecularly imprinted polymer membranes. <i>Analytica Chimica Acta</i> , 2013, 770, 161-168.	2.6	55
104	A Zipper-Like On/Off-Switchable Molecularly Imprinted Polymer. <i>Advanced Functional Materials</i> , 2011, 21, 3344-3349.	7.8	54
105	Influence of Surface-Imprinted Nanoparticles on Trypsin Activity. <i>Advanced Healthcare Materials</i> , 2014, 3, 1426-1429.	3.9	54
106	Computational and experimental investigation of molecular imprinted polymers for selective extraction of dimethoate and its metabolite omethoate from olive oil. <i>Journal of Chromatography A</i> , 2013, 1274, 13-18.	1.8	52
107	Analysis of skin tissues spatial fluorescence distribution by the Monte Carlo simulation. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1722-1728.	1.3	51
108	PEG-Stabilized Core-Shell Surface-Imprinted Nanoparticles. <i>Langmuir</i> , 2013, 29, 9891-9896.	1.6	51

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109	Fabrication of molecularly imprinted polymer microarray on a chip by mid-infrared laser pulse initiated polymerisation. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1769-1775.	5.3	50
110	Fluorescent sensor systems based on nanostructured polymeric membranes for selective recognition of Aflatoxin B1. <i>Talanta</i> , 2017, 175, 101-107.	2.9	50
111	Polymer Cookery. 2. Influence of Polymerization Pressure and Polymer Swelling on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2004, 37, 5018-5022.	2.2	49
112	The rational use of hydrophobic effect-based recognition in molecularly imprinted polymers. , 1998, 11, 94-97.		48
113	Hydrogen peroxide sensitive enzyme sensor based on phthalocyanine thin film. <i>Analytica Chimica Acta</i> , 1999, 391, 289-297.	2.6	48
114	A novel capacitive sensor based on molecularly imprinted nanoparticles as recognition elements. <i>Biosensors and Bioelectronics</i> , 2018, 120, 108-114.	5.3	48
115	Preliminary evaluation of new polymer matrix for solid-phase extraction of nonylphenol from water samples. <i>Analytica Chimica Acta</i> , 2008, 612, 99-104.	2.6	47
116	Chiral imprinted polymers as enantiospecific coatings of stir bar sorptive extraction devices. <i>Biosensors and Bioelectronics</i> , 2011, 28, 25-32.	5.3	47
117	Adaptation of the molecular imprinted polymers towards polar environment. <i>Analytica Chimica Acta</i> , 2005, 542, 47-51.	2.6	46
118	Optimisation of experimental conditions for synthesis of high affinity MIP nanoparticles. <i>European Polymer Journal</i> , 2013, 49, 100-105.	2.6	45
119	Molecularly imprinted polymer cartridges coupled to high performance liquid chromatography (HPLC-UV) for simple and rapid analysis of fenthion in olive oil. <i>Talanta</i> , 2014, 125, 313-318.	2.9	45
120	Magnetic high throughput screening system for the development of nano-sized molecularly imprinted polymers for controlled delivery of curcumin. <i>Analyst</i> , The, 2015, 140, 3113-3120.	1.7	45
121	Molecular imprinting solid phase extraction for selective detection of methidathion in olive oil. <i>Analytica Chimica Acta</i> , 2012, 734, 99-105.	2.6	44
122	Engineered Magnetic Nanoparticles for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2014, 3, 160-175.	3.9	44
123	Thylakoid membranes-based test-system for detecting of trace quantities of the photosynthesis-inhibiting herbicides in drinking water. <i>Analytica Chimica Acta</i> , 1999, 391, 1-7.	2.6	43
124	Application of non-specific fluorescent dyes for monitoring enantio-selective ligand binding to molecularly imprinted polymers. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 512-516.	1.5	43
125	Composite polyaniline/calixarene Langmuir - Blodgett films for gas sensing. <i>Nanotechnology</i> , 1996, 7, 315-319.	1.3	42
126	Use of itaconic acid-based polymers for solid-phase extraction of deoxynivalenol and application to pasta analysis. <i>Analytica Chimica Acta</i> , 2008, 609, 131-138.	2.6	42

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127	Does size matter? Study of performance of pseudo-ELISAs based on molecularly imprinted polymer nanoparticles prepared for analytes of different sizes. <i>Analyst, The</i> , 2016, 141, 1405-1412.	1.7	42
128	Highly Efficient Abiotic Assay Formats for Methyl Parathion: Molecularly Imprinted Polymer Nanoparticle Assay as an Alternative to Enzyme-Linked Immunosorbent Assay. <i>Analytical Chemistry</i> , 2019, 91, 958-964.	3.2	42
129	Attenuation of <i>Vibrio fischeri</i> Quorum Sensing Using Rationally Designed Polymers. <i>Biomacromolecules</i> , 2010, 11, 975-980.	2.6	41
130	Computational design of molecularly imprinted polymer for direct detection of melamine in milk. <i>Separation Science and Technology</i> , 2017, 52, 1441-1453.	1.3	41
131	Recent advances in electrochemical sensors based on chiral and nano-sized imprinted polymers. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 146-152.	2.5	41
132	Epitope approach in molecular imprinting of antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1124, 1-6.	1.2	41
133	Electrochemical sensing of cocaine in real samples based on electrodeposited biomimetic affinity ligands. <i>Analyst, The</i> , 2019, 144, 4639-4646.	1.7	41
134	Recognition of Conformational Changes in \hat{I}^2 -Lactoglobulin by Molecularly Imprinted Thin Films. <i>Biomacromolecules</i> , 2007, 8, 2781-2787.	2.6	40
135	Modulation of Quorum Sensing in a Gram-Positive Pathogen by Linear Molecularly Imprinted Polymers with Anti-infective Properties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16555-16558.	7.2	39
136	Application of molecularly imprinted polymers in sensors for the environment and biotechnology. <i>Sensor Review</i> , 2001, 21, 292-296.	1.0	38
137	“Bite-and-Switch” Approach to Creatine Recognition by Use of Molecularly Imprinted Polymers. <i>Advanced Materials</i> , 2000, 12, 722-724.	11.1	37
138	Capillary electrophoresis coupled to biosensor detection. <i>Journal of Chromatography A</i> , 2000, 892, 143-153.	1.8	37
139	Introducing MINA “ The Molecularly Imprinted Nanoparticle Assay. <i>Small</i> , 2014, 10, 1086-1089.	5.2	37
140	Conductive imprinted polymers for the direct electrochemical detection of \hat{I}^2 -lactam antibiotics: The case of cefquinome. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126786.	4.0	37
141	A Catalytic and Shape-Memory Polymer Reactor. <i>Advanced Functional Materials</i> , 2014, 24, 4996-5001.	7.8	36
142	Disposable paracetamol sensor based on electroactive molecularly imprinted polymer nanoparticles for plasma monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129128.	4.0	36
143	Molecularly imprinted polymer nanoparticle-based assay (MINA): application for fumonisin B1 determination. <i>Analyst, The</i> , 2018, 143, 3481-3488.	1.7	35
144	Synthetic Mechanism of Molecular Imprinting at the Solid Phase. <i>Macromolecules</i> , 2020, 53, 1435-1442.	2.2	34

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145	β-Lactamase label-based potentiometric biosensor for ±-2 interferon detection. <i>Analytica Chimica Acta</i> , 1999, 390, 73-81.	2.6	31
146	Comparison of thin-layer and bulk MIPs synthesized by photoinitiated in situ crosslinking polymerization from the same reaction mixtures. <i>Journal of Applied Polymer Science</i> , 2005, 98, 362-372.	1.3	31
147	The application of polythiol molecules for protein immobilisation on sensor surfaces. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1049-1055.	5.3	30
148	A pseudo-ELISA based on molecularly imprinted nanoparticles for detection of gentamicin in real samples. <i>Analytical Methods</i> , 2017, 9, 2853-2858.	1.3	30
149	Development of competitive pseudo-ELISA assay for measurement of cocaine and its metabolites using molecularly imprinted polymer nanoparticles. <i>Analytical Methods</i> , 2017, 9, 4592-4598.	1.3	30
150	Properties of poly-aminophenylboronate coatings in capillary electrophoresis for the selective separation of diastereoisomers and glycoproteins. <i>Journal of Chromatography A</i> , 2004, 1023, 297-303.	1.8	29
151	New reactive polymer for protein immobilisation on sensor surfaces. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1365-1371.	5.3	29
152	Polymer platforms for selective detection of cocaine in street samples adulterated with levamisole. <i>Talanta</i> , 2018, 186, 362-367.	2.9	29
153	Determination of Fumonisin B1 in maize using molecularly imprinted polymer nanoparticles-based assay. <i>Food Chemistry</i> , 2019, 298, 125044.	4.2	29
154	Design and fabrication of a smart sensor using in silico epitope mapping and electro-responsive imprinted polymer nanoparticles for determination of insulin levels in human plasma. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112536.	5.3	29
155	Electrochemical determination of fumonisin B1 using a chemosensor with a recognition unit comprising molecularly imprinted polymer nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128552.	4.0	29
156	Polyaniline-coated microtiter plates for use in longwave optical bioassays. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 807-810.	1.5	28
157	Interactions between heavy metals and photosynthetic materials studied by optical techniques. <i>Bioelectrochemistry</i> , 2009, 77, 19-25.	2.4	28
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