Peter Alexander Lieberzeit

List of Publications by Year
in descending order

164	4,693	87723	123241
papers	citations	38 h-index	61 g-index

171	171	171	4199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of conductive molecularly imprinted polymers (cMIPs) for limonene to improve and interconnect QCM and chemiresistor sensing. Sensors and Actuators B: Chemical, 2022, 356, 131293.	4.0	12
2	Smart sensor for assessment of oxidative/nitrative stress biomarkers using a dual-imprinted electrochemical paper-based analytical device. Analytica Chimica Acta, 2022, 1191, 339363.	2.6	17
3	Investigations on sub-structures within cavities of surface imprinted polymers using AFM and PF-QNM. Soft Matter, 2022, 18, 2245-2251.	1.2	14
4	Polyvinyl chloride modifications, properties, and applications: Review. Polymers for Advanced Technologies, 2022, 33, 1809-1820.	1.6	26
5	How perfluoroalkyl substances modify fluorinated self-assembled monolayer architectures: An electrochemical and computational study. Analytica Chimica Acta, 2022, 1204, 339740.	2.6	6
6	QCM-based assay designs for human serum albumin. Analytical and Bioanalytical Chemistry, 2022, 414, 731-741.	1.9	7
7	Raman Studies on Surface-Imprinted Polymers to Distinguish the Polymer Surface, Imprints, and Different Bacteria. ACS Applied Bio Materials, 2022, 5, 160-171.	2.3	8
8	Raman and scanning probe microscopy for differentiating surface imprints of E. coli and B. cereus. Journal of Materials Chemistry B, 2022, 10, 6758-6767.	2.9	6
9	Development and Up-Scaling of Electrochemical Production and Mild Thermal Reduction of Graphene Oxide. Materials, 2022, 15, 4639.	1.3	4
10	Synchronized, Spontaneous, and Oscillatory Detachment of Eukaryotic Cells: A New Tool for Cell Characterization and Identification. Advanced Science, 2022, 9, .	5.6	4
11	Direct assessment of very-low-density lipoprotein by mass sensitive sensor with molecularly imprinted polymers. Talanta, 2021, 221, 121549.	2.9	15
12	Selectivity enhancement of MIP-composite sensor for explosive detection using DNT-dengue virus template: A co-imprinting approach. Materials Letters, 2021, 285, 129201.	1.3	14
13	Molecularly imprinted thin film surfaces in sensing: Chances and challenges. Reactive and Functional Polymers, 2021, 161, 104855.	2.0	40
14	Surface Molecular Imprinting with Bacteria: Visualizing Re-Binding and Selectivity. ECS Meeting Abstracts, 2021, MA2021-01, 1666-1666.	0.0	0
15	Molecularly Imprinted Polymers for Recognition of Engineered Nanoparticles. ECS Meeting Abstracts, 2021, MA2021-01, 1684-1684.	0.0	0
16	Investigation and Optimization of a Dual Electrode QCM Set-up for Sensing Biospecies in Liquids. ECS Meeting Abstracts, 2021, MA2021-01, 1558-1558.	0.0	0
17	Thin Film Plastic Antibody-Based Microplate Assay for Human Serum Albumin Determination. Polymers, 2021, 13, 1763.	2.0	8
18	Novel dual-sensor for creatinine and 8-hydroxy-2'-deoxyguanosine using carbon-paste electrode modified with molecularly imprinted polymers and multiple-pulse amperometry. Sensors and Actuators B: Chemical, 2021, 334, 129636.	4.0	27

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19	Enhancing sensitivity of QCM for dengue type 1 virus detection using graphene-based polymer composites. Analytical and Bioanalytical Chemistry, 2021, 413, 6191-6198.	1.9	12
20	PolyvinylÑhlorideâ€based anion exchanger for efficient removal of chromium (<scp>VI</scp>) from aqueous solutions. Polymers for Advanced Technologies, 2021, 32, 3995-4004.	1.6	10
21	Biomimetic Sensors to Detect Bioanalytes in Real-Life Samples Using Molecularly Imprinted Polymers: A Review. Sensors, 2021, 21, 5550.	2.1	18
22	In-Situ Monitoring of Real-Time Loop-Mediated Isothermal Amplification with QCM: Detecting Listeria monocytogenes. Biosensors, 2021, 11, 308.	2.3	14
23	A microfluidic impedance-based extended infectivity assay: combining retroviral amplification and cytopathic effect monitoring on a single lab-on-a-chip platform. Lab on A Chip, 2021, 21, 1364-1372.	3.1	5
24	Development of a MIP-Based QCM Sensor for Selective Detection of Penicillins in Aqueous Media. Chemosensors, 2021, 9, 362.	1.8	10
25	Classification of alcohols obtained by QCM sensors with different characteristics using ABC based neural network. Engineering Science and Technology, an International Journal, 2020, 23, 463-469.	2.0	17
26	Direct detection of Listeria monocytogenes DNA amplification products with quartz crystal microbalances at elevated temperatures. Sensors and Actuators B: Chemical, 2020, 308, 127678.	4.0	18
27	Sensing the classical swine fever virus with molecularly imprinted polymer on quartz crystal microbalance. Heliyon, 2020, 6, e04137.	1.4	22
28	Novel amino-containing molecularly-imprinted polymer coating on magnetite-gold core for sensitive and selective carbofuran detection in food. Microchemical Journal, 2020, 158, 105298.	2.3	17
29	Molecularly imprinted polymeric coatings for sensitive and selective gravimetric detection of artemether. RSC Advances, 2020, 10, 34355-34363.	1.7	12
30	Real-Time Water Quality Monitoring with Chemical Sensors. Sensors, 2020, 20, 3432.	2.1	88
31	Design of heterostructured hybrids comprising ultrathin 2D bismuth tungstate nanosheets reinforced by chloramphenicol imprinted polymers used as biomimetic interfaces for mass-sensitive detection. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110775.	2.5	10
32	Biomimetic sensors targeting oxidized-low-density lipoprotein with molecularly imprinted polymers. Analytica Chimica Acta, 2020, 1116, 27-35.	2.6	32
33	Molecularly Imprinted Polymers for Recognition of Engineered Nanoparticles. ECS Meeting Abstracts, 2020, MA2020-01, 2421-2421.	0.0	0
34	Molecularly Imprinted Polymer Strategy for Amoxicillin Detection As an Environmental Pollutants. ECS Meeting Abstracts, 2020, MA2020-01, 2255-2255.	0.0	0
35	Investigation and Optimization of a Dual Electrode QCM Set-up for Sensing Biospecies in Liquids. ECS Meeting Abstracts, 2020, MA2020-01, 2295-2295.	0.0	0
36	Surface Molecular Imprinting with Bacteria: Visualizing Re-Binding and Selectivity. ECS Meeting Abstracts, 2020, MA2020-01, 2466-2466.	0.0	0

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37	SYNTHESES OF CATION EXCHANGER WITH MACROPOROSITY AND INVESTIGATING SPECIFIC PROPERTIES. Series Chemistry and Technology, 2020, 5, 108-115.	0.1	0
38	Mass-Sensitive Sensing of Melamine in Dairy Products with Molecularly Imprinted Polymers: Matrix Challenges. Sensors, 2019, 19, 2366.	2.1	15
39	Sensing array based on molecularly imprinted polymers for simultaneous assessment of lipoproteins. Sensors and Actuators B: Chemical, 2019, 298, 126828.	4.0	15
40	Molecularly imprinted polymers to detect profenofos and carbofuran selectively with QCM sensors. Physics in Medicine, 2019, 7, 100016.	0.6	31
41	Highly sensitive and selective electrochemical paper-based device using a graphite screen-printed electrode modified with molecularly imprinted polymers coated Fe3O4@Au@SiO2 for serotonin determination. Analytica Chimica Acta, 2019, 1077, 255-265.	2.6	81
42	Real-Time and Online Monitoring of Glucose Contents by Using Molecular Imprinted Polymer-Based IDEs Sensor. Applied Biochemistry and Biotechnology, 2019, 189, 1156-1166.	1.4	13
43	Surface Molecular Imprinting Strategies: An Innovative Tool to Detect Engineered Nanoparticles in Aqueous Solutions. ECS Meeting Abstracts, 2019, , .	0.0	0
44	High-density lipoprotein sensor based on molecularly imprinted polymer. Analytical and Bioanalytical Chemistry, 2018, 410, 875-883.	1.9	27
45	Selective amperometric flow-injection analysis of carbofuran using a molecularly-imprinted polymer and gold-coated-magnetite modified carbon nanotube-paste electrode. Talanta, 2018, 179, 700-709.	2.9	51
46	QCM-based rapid detection of PCR amplification products of Ehrlichia canis. Analytica Chimica Acta, 2018, 1001, 106-111.	2.6	31
47	Investigating nanohybrid material based on 3D CNTs@Cu nanoparticle composite and imprinted polymer for highly selective detection of chloramphenicol. Journal of Hazardous Materials, 2018, 342, 96-106.	6.5	114
48	Aptamer-Based QCM-Sensor for Rapid Detection of PRRS Virus. Proceedings (mdpi), 2018, 2, 1038.	0.2	1
49	Design of Mass-Sensitive Sensor Array for Biomedical Application: Sensing Lipoproteins. , 2018, , .		0
50	ABC Spotlight on magnetic composite nanoparticles in analysis: increased sensitivity at decreased analysis time. Analytical and Bioanalytical Chemistry, 2018, 410, 7559-7561.	1.9	3
51	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment. Journal of Sensors, 2018, 2018, 1-6.	0.6	9
52	Combined Layer/Particle Approaches in Surface Molecular Imprinting of Proteins: Signal Enhancement and Competition. Sensors, 2018, 18, 180.	2.1	14
53	Combining Two Selection Principles: Sensor Arrays Based on Both Biomimetic Recognition and Chemometrics. Frontiers in Chemistry, 2018, 6, 268.	1.8	29
54	H5N1 Virus Plastic Antibody Based on Molecularly Imprinted Polymers. Methods in Molecular Biology, 2017, 1575, 381-388.	0.4	5

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55	An influenza A virus agglutination test using antibody-like polymers. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1786-1795.	1.9	7
56	Preparation of Mach-Zehnder interferometric photonic biosensors by inkjet printing technology. , 2017, , .		0
57	Modified carbon black as label in a colorimetric on-chip immunoassay for histamine. Sensors and Actuators B: Chemical, 2017, 246, 1092-1099.	4.0	14
58	Surface Imprints: Advantageous Application of Ready2use Materials for Bacterial Quartz-Crystal Microbalance Sensors. ACS Applied Materials & Interfaces, 2017, 9, 1129-1135.	4.0	68
59	Selective chemical sensor based on molecularly imprinted polymer to detect isoborneol in aqueous samples. , 2017, , .		1
60	Biomimetic Recognition for Acoustic Sensing in Liquids. Springer Series on Chemical Sensors and Biosensors, 2017, , 323-344.	0.5	1
61	Special issue on the occasion of the â€œ3rd International Congress on Advanced Materials-AM2016â€• Monatshefte FÃ¼r Chemie, 2017, 148, 1153-1153.	0.9	0
62	A novel method for dengue virus detection and antibody screening using a graphene-polymer based electrochemical biosensor. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 549-557.	1.7	104
63	Sensor Array Based on Molecularly Imprinted Polymers for Simultaneous Detection of Lipoproteins. Proceedings (mdpi), 2017, 1, 510.	0.2	1
64	Development of a Novel Platelets Functional Assay Using QCM. Proceedings (mdpi), 2017, 1, .	0.2	1
65	Towards Recycled Paper Based Impedance Biosensor with Wireless Readout. Proceedings (mdpi), 2017, 1, 619.	0.2	3
66	Molecularly Imprinted Polymer Nanoparticles for Formaldehyde Sensing with QCM. Sensors, 2016, 16, 1011.	2.1	58
67	Surface Modification of Integrated Optical MZI Sensor Arrays Using Inkjet Printing Technology. Procedia Engineering, 2016, 168, 337-340.	1.2	9
68	A Self-Organisation Synthesis Approach for Bacteria Molecularly Imprinted Polymers. Procedia Engineering, 2016, 168, 557-560.	1.2	9
69	Molecularly Imprinted Polymers for Diagnostics: Sensing High Density Lipoprotein and Dengue Virus. Procedia Engineering, 2016, 168, 101-104.	1.2	15
70	Molecular Imprinting Studies for Developing QCM-sensors for Bacillus Cereus. Procedia Engineering, 2016, 168, 561-564.	1.2	21
71	Molecularly Imprinted Polymer Based Sensor to Detect Isoborneol in Aqueous Samples. Procedia Engineering, 2016, 168, 448-451.	1.2	9
72	A Review on Synthetic Receptors for Bioparticle Detection Created by Surface-Imprinting Techniquesâ€”From Principles to Applications. ACS Sensors, 2016, 1, 1171-1187.	4.0	99

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73	Molecularly imprinted porous beads for the selective removal of copper ions. Journal of Separation Science, 2016, 39, 793-798.	1.3	31
74	Disposable (bio)chemical integrated optical waveguide sensors implemented on roll-to-roll produced platforms. RSC Advances, 2016, 6, 50414-50422.	1.7	15
75	Low-Density Lipoprotein Sensor Based on Molecularly Imprinted Polymer. Analytical Chemistry, 2016, 88, 1419-1425.	3.2	63
76	Dopaminergic receptorâ€“ligand binding assays based on molecularly imprinted polymers on quartz crystal microbalance sensors. Biosensors and Bioelectronics, 2016, 81, 117-124.	5.3	26
77	Special issue on the 8th International Conference on Molecular Imprinting: MIP2014. Monatshefte FÃ¼r Chemie, 2015, 146, 421-421.	0.9	0
78	S-layer based biomolecular imprinting. RSC Advances, 2015, 5, 83558-83564.	1.7	12
79	Recognition principle of Cu2+-imprinted polymersâ€”Assessing interactions by combined spectroscopic and mass-sensitive measurements. Sensors and Actuators B: Chemical, 2015, 207, 976-980.	4.0	16
80	Molecularly imprinted polymer nanoparticles in chemical sensing â€“ Synthesis, characterisation and application. Sensors and Actuators B: Chemical, 2015, 207, 144-157.	4.0	396
81	Quartz Crystal Microbalance In-Line Sensing of Escherichia Coli in a Bioreactor Using Molecularly Imprinted Polymers. Sensor Letters, 2014, 12, 1152-1155.	0.4	16
82	Molecular Imprinting on the Nanoscale â€“ Rapid Detection of Ag Nanoparticles by QCM Sensors. Procedia Engineering, 2014, 87, 236-239.	1.2	7
83	Toward large-area roll-to-roll printed nanophotonic sensors. Proceedings of SPIE, 2014, , .	0.8	1
84	Polymerization Parameters Influencing the QCM Response Characteristics of BSA MIP. Biosensors, 2014, 4, 161-171.	2.3	21
85	Special issue for the 2nd International Congress on Advanced Materials. Monatshefte FÃ¼r Chemie, 2014, 145, 1-1.	0.9	0
86	A novel approach to identify molecular binding to the influenza virus H5N1: screening using molecularly imprinted polymers (MIPs). MedChemComm, 2014, 5, 617-621.	3.5	36
87	Thermo-Nanoimprinted Biomimetic Probe for LPS and LTA Immunosensing. Analytical Chemistry, 2014, 86, 1679-1686.	3.2	13
88	Molecularly imprinted polymerâ€“Ag2S nanoparticle composites for sensing volatile organics. RSC Advances, 2014, 4, 12723-12728.	1.7	29
89	Molecularly imprinted polymers for conductance sensing of Cu2+ in aqueous solutions. Sensors and Actuators B: Chemical, 2014, 192, 522-528.	4.0	31
90	Self-assembled glucosamine monolayers as biomimetic receptors for detecting WGA lectin and influenza virus with a quartz crystal microbalance. Analytical and Bioanalytical Chemistry, 2013, 405, 6471-6478.	1.9	24

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91	Biomimetic Strategies for Sensing Biological Species. Biosensors, 2013, 3, 89-107.	2.3	79
92	MIP sensors on the way to biotech applications: Targeting selectivity. Sensors and Actuators B: Chemical, 2013, 189, 199-202.	4.0	46
93	Acidic and basic polymers for molecularly imprinted folic acid sensorsâ€"QCM studies with thin films and nanoparticles. Sensors and Actuators B: Chemical, 2013, 176, 1090-1095.	4.0	45
94	Influenza A virus molecularly imprinted polymers and their application in virus sub-type classification. Journal of Materials Chemistry B, 2013, 1, 2190.	2.9	75
95	Mass sensitive multi-sensor platform for receptor screening and quantification purposes. Journal of the Chinese Advanced Materials Society, 2013, 1, 200-209.	0.7	3
96	Artificial Receptors for Mass-Sensitive Sensors. , 2012, , 195-235.		4
97	MIP Sensors on the Way to Biotech Application: Selectivity and Ruggedness. Procedia Engineering, 2012, 47, 534-537.	1.2	8
98	Nanostructured materials with biomimetic recognition abilities for chemical sensing. Nanoscale Research Letters, 2012, 7, 328.	3.1	20
99	Artificial receptor layers for detecting chemical and biological agent mimics. Sensors and Actuators B: Chemical, 2012, 170, 196-200.	4.0	24
100	Quartz crystal microbalance sensor based on affinity interactions between organic thiols and molybdenum disulfide nanoparticles. Sensors and Actuators B: Chemical, 2012, 162, 63-67.	4.0	8
101	QCM gas phase detection with ceramic materialsâ€"VOCs and oil vapors. Analytical and Bioanalytical Chemistry, 2011, 400, 2457-2462.	1.9	35
102	Dual and tetraelectrode QCMs using imprinted polymers as receptors for ions and neutral analytes. Analytical and Bioanalytical Chemistry, 2011, 400, 2507-2515.	1.9	50
103	Surface molecular imprints of WGA lectin as artificial receptors for mass-sensitive binding studies. Analytical and Bioanalytical Chemistry, 2011, 400, 2499-2506.	1.9	26
104	From mono- to polytopic interactions via hydrogen bonds â€" Capacitive sensor studies. Materials Science and Engineering C, 2011, 31, 553-557.	3.8	4
105	From metal ions to biospecies: template-assisted synthesis as a strategy to generate artificial receptor materials. Advanced Materials Letters, 2011, 2, 319-321.	0.3	7
106	Biomimetic Sensors in Medicine and Biology - Detection of Bioparticles. IFMBE Proceedings, 2011, , 1004-1006.	0.2	0
107	Chemosensors for Viruses Based on Artificial Immunoglobulin Copies. Advanced Materials, 2010, 22, 2078-2081.	11.1	82
108	Imprinted solâ€“gel materials for monitoring degradation products in automotive oils by shear transverse wave. Analytica Chimica Acta, 2010, 675, 53-57.	2.6	31

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109	Artificial receptor layers for detecting chemical and biological threats. Procedia Engineering, 2010, 5, 381-384.	1.2	5
110	QCM-Arrays for Sensing Terpenes in Fresh and Dried Herbs via Bio-Mimetic MIP Layers. Sensors, 2010, 10, 6361-6376.	2.1	67
111	Chemical Sensors Based on Molecularly Imprinted Sol-Gel Materials. Materials, 2010, 3, 2196-2217.	1.3	96
112	Solvent Vapour Detection with Cholesteric Liquid Crystalsâ€"Optical and Mass-Sensitive Evaluation of the Sensor Mechanism. Sensors, 2010, 10, 4887-4897.	2.1	71
113	Mass-sensitive and resistive detection of bioanalytes - Synthetic antibodies and plastic replicae. , 2010, , .		1
114	Comparing biomimetic and biological receptors for insulin sensing. Chemical Communications, 2010, 46, 3128.	2.2	53
115	Antibodies and Their Replicae in Microfluidic Sensor Systemsâ€"Labelfree Quality Assessment in Food Chemistry and Medicine. Sensor Letters, 2010, 8, 399-404.	0.4	21
116	SAW RFID-Tags for Mass-Sensitive Detection of Humidity and Vapors. Sensors, 2009, 9, 9805-9815.	2.1	22
117	Biomimetic Yeast Cell Typingâ€"Application of QCMs. Sensors, 2009, 9, 8146-8157.	2.1	30
118	QCM sensor array for monitoring terpene emissions from odoriferous plants. Monatshefte FÃ¼r Chemie, 2009, 140, 947-952.	0.9	22
119	Multisensor biomimetic systems with fully artificial recognition strategies in food analysis. Monatshefte FÃ¼r Chemie, 2009, 140, 931-939.	0.9	12
120	Sensors for bioanalytes by imprintingâ€"Polymers mimicking both biological receptors and the corresponding bioparticles. Biosensors and Bioelectronics, 2009, 25, 9-14.	5.3	52
121	Chemosensors in environmental monitoring: challenges in ruggedness and selectivity. Analytical and Bioanalytical Chemistry, 2009, 393, 467-472.	1.9	27
122	Pollen-imprinted polyurethanes for QCM allergen sensors. Analytical and Bioanalytical Chemistry, 2009, 394, 523-528.	1.9	43
123	Synthetic receptors for selectively detecting erythrocyte ABO subgroups. Analytica Chimica Acta, 2009, 651, 215-219.	2.6	50
124	Sensing Picornaviruses Using Molecular Imprinting Techniques on a Quartz Crystal Microbalance. Analytical Chemistry, 2009, 81, 5320-5326.	3.2	123
125	Detection of viruses with molecularly imprinted polymers integrated on a microfluidic biochip using contact-less dielectric microsensors. Lab on A Chip, 2009, 9, 3549.	3.1	89
126	Application of yeast imprinting in biotechnology and process control. Analyst, The, 2009, 134, 361-366.	1.7	28

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127	Rapid bioanalysis with chemical sensors: novel strategies for devices and artificial recognition membranes. Analytical and Bioanalytical Chemistry, 2008, 391, 1629-1639.	1.9	42
128	Real-life application of a QCM-based e-nose: quantitative characterization of different plant-degradation processes. Analytical and Bioanalytical Chemistry, 2008, 391, 2897-2903.	1.9	40
129	Polymers imprinted with PAH mixturesâ€"comparing fluorescence and QCM sensors. Analytical and Bioanalytical Chemistry, 2008, 392, 1405-1410.	1.9	32
130	Generating Bio-Analogous Recognition of Artificial Materials â€“ Sensors and Electronic Noses for Odours. Advances in Science and Technology, 2008, 58, 103-107.	0.2	1
131	NANOSTRUCTURED PARTICLES AND LAYERS FOR SENSING CONTAMINANTS IN AIR AND WATER. Nano, 2008, 03, 205-208.	0.5	7
132	Acoustic chemosensors for real-life environments. , 2008, , .		1
133	Bioanalogous Recognition with Sol-Gel Thin Films and Nanoparticles in Harsh Environments. Materials Research Society Symposia Proceedings, 2008, 1094, 1.	0.1	0
134	Functional Materials for Biosensingâ€"From Proteins to Cells and Pollen. Sensor Letters, 2008, 6, 641-645.	0.4	4
135	Trichloroacetic acidâ€imprinted polypyrrole film and its property in piezoelectric quartz crystal microbalance and electrochemical sensors to application for determination of haloacetic acids disinfection byâ€product in drinking water. Journal of Applied Polymer Science, 2007, 106, 3861-3871.	1.3	25
136	Printing materials in micro- and nano-scale: Systems for process control. Sensors and Actuators B: Chemical, 2007, 126, 153-158.	4.0	25
137	Cavities generated by self-organised monolayers as sensitive coatings for surface acoustic wave resonators. Analytical and Bioanalytical Chemistry, 2007, 387, 561-566.	1.9	12
138	Molecularly imprinted solâ€“gel nanoparticles for mass-sensitive engine oil degradation sensing. Analytical and Bioanalytical Chemistry, 2007, 389, 441-446.	1.9	36
139	Nanoparticles for detecting pollutants and degradation processes with mass-sensitive sensors. Sensors and Actuators B: Chemical, 2007, 127, 132-136.	4.0	38
140	Nanostructured polymers for detecting chemical changes during engine oil degradation. IEEE Sensors Journal, 2006, 6, 529-535.	2.4	15
141	Covalently anchored supramolecular monolayers on quartz surfaces for use in SAW sensors. Sensors and Actuators B: Chemical, 2006, 113, 677-683.	4.0	12
142	Sensor technology and its application in environmental analysis. Analytical and Bioanalytical Chemistry, 2006, 387, 237-247.	1.9	93
143	Artificial Antibodies for Bioanalyte Detectionâ€"Sensing Viruses and Proteins. Advanced Functional Materials, 2006, 16, 1269-1278.	7.8	198
144	Ceramic Materials for Mass-Sensitive Sensors - Detection of VOCs and Monitoring Oil Degradation. Advances in Science and Technology, 2006, 45, 1799-1802.	0.2	5

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145	Imprinted Polymers in Chemical Recognition for Mass-Sensitive Devices. , 2006, , 173-210.		11
146	Softlithography in Chemical Sensing â€“ Analytes from Molecules to Cells. Sensors, 2005, 5, 509-518.	2.1	34
147	Imprinting as a versatile platform for sensitive materials â€“ nanopatterning of the polymer bulk and surfaces. Sensors and Actuators B: Chemical, 2005, 111-112, 259-263.	4.0	39
148	Chemical Recognition and Sensing by Self-Organization. , 2004, , 1-13.		0
149	From nanopatterning to functionalityâ€”surface and bulk imprinting for analytical purposes. Superlattices and Microstructures, 2004, 36, 133-142.	1.4	19
150	Modifying polymers by self-organisation for the mass-sensitive detection of environmental and biogeneous analytes. Sensors and Actuators B: Chemical, 2004, 100, 112-116.	4.0	17
151	Synthetic receptors for chemical sensorsâ€”subnano- and micrometre patterning by imprinting techniques. Biosensors and Bioelectronics, 2004, 20, 1040-1044.	5.3	69
152	QCM array for on-line-monitoring of composting procedures. Analyst, The, 2004, 129, 432.	1.7	56
153	Sensor strategies for microorganism detection?from physical principles to imprinting procedures. Analytical and Bioanalytical Chemistry, 2003, 377, 540-549.	1.9	48
154	Borderline applications of QCM-devices: synthetic antibodies for analytes in both nm- and Î¼m-dimensions. Sensors and Actuators B: Chemical, 2003, 95, 20-24.	4.0	25
155	Nano- and micro-structuring of sensor materialsâ€”from molecule to cell detection. Synthetic Metals, 2003, 138, 65-69.	2.1	68
156	Imprinting with Chemical Sensors - Challenges in Molecular Recognition and Universal Application. Materials Research Society Symposia Proceedings, 2003, 787, 541.	0.1	1
157	Chemische Sensoren durch Molekulares PrÃgen. Nachrichten Aus Der Chemie, 2003, 51, 1139-1143.	0.0	1
158	Chemical Sensors â€“ from Molecules, Complex Mixtures to Cells â€“ Supramolecular Imprinting Strategies. Sensors, 2003, 3, 381-392.	2.1	15
159	Sensor Materials - Detecting Molecules, Mixtures and Microorganisms -. Materials Research Society Symposia Proceedings, 2002, 723, 211.	0.1	0
160	Molecular imprints as artificial antibodies â€” a new generation of chemical sensors. Sensors and Actuators B: Chemical, 2000, 65, 186-189.	4.0	80
161	Solvatochromic betaine dyes as optochemical sensor materials: detection of polar and non-polar vapors. Sensors and Actuators B: Chemical, 2000, 70, 263-269.	4.0	28
162	Quality control of automotive engine oils with mass-sensitive chemical sensors - QCMs and molecularly imprinted polymers. Fresenius' Journal of Analytical Chemistry, 2000, 366, 802-806.	1.5	46

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163	Molecular imprinting in chemical sensing - Detection of aromatic and halogenated hydrocarbons as well as polar solvent vapors. Fresenius' Journal of Analytical Chemistry, 1998, 360, 759-762.	1.5	90
164	Nanostructured functional polymers for engine oil quality sensors. , 0, , .		3