

# Peter Alexander Lieberzeit

## List of Publications by Citations

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147  
papers

3,707  
citations

36  
h-index

54  
g-index

171  
ext. papers

4,125  
ext. citations

5.1  
avg. IF

5.85  
L-index

#	Paper	IF	Citations
147	Molecularly imprinted polymer nanoparticles in chemical sensing [Synthesis, characterisation and application. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 144-157	8.5	329
146	Artificial Antibodies for Bioanalyte Detection [Sensing Viruses and Proteins. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 1269-1278	15.6	181
145	Sensing picornaviruses using molecular imprinting techniques on a quartz crystal microbalance. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 5320-6	7.8	112
144	Chemical Sensors Based on Molecularly Imprinted Sol-Gel Materials. <i>Materials</i> , <b>2010</b> , 3, 2196-2217	3.5	85
143	Detection of viruses with molecularly imprinted polymers integrated on a microfluidic biochip using contact-less dielectric microsensors. <i>Lab on A Chip</i> , <b>2009</b> , 9, 3549-56	7.2	83
142	Investigating nanohybrid material based on 3D CNTs@Cu nanoparticle composite and imprinted polymer for highly selective detection of chloramphenicol. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 342, 96-106	12.8	82
141	A novel method for dengue virus detection and antibody screening using a graphene-polymer based electrochemical biosensor. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 549-557	6	79
140	Molecular imprints as artificial antibodies [a new generation of chemical sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 65, 186-189	8.5	76
139	Sensor technology and its application in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 237-47	4.4	75
138	Chemosensors for viruses based on artificial immunoglobulin copies. <i>Advanced Materials</i> , <b>2010</b> , 22, 2078-81	8.1	74
137	A Review on Synthetic Receptors for Bioparticle Detection Created by Surface-Imprinting Techniques [From Principles to Applications. <i>ACS Sensors</i> , <b>2016</b> , 1, 1171-1187	9.2	72
136	Molecular imprinting in chemical sensing [Detection of aromatic and halogenated hydrocarbons as well as polar solvent vapors. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1998</b> , 360, 759-762		71
135	Synthetic receptors for chemical sensors--subnano- and micrometre patterning by imprinting techniques. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 1040-4	11.8	65
134	Biomimetic strategies for sensing biological species. <i>Biosensors</i> , <b>2013</b> , 3, 89-107	5.9	63
133	Nano- and micro-structuring of sensor materials [from molecule to cell detection. <i>Synthetic Metals</i> , <b>2003</b> , 138, 65-69	3.6	62
132	Influenza A virus molecularly imprinted polymers and their application in virus sub-type classification. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2190-2197	7.3	61
131	Solvent vapour detection with cholesteric liquid crystals--optical and mass-sensitive evaluation of the sensor mechanism. <i>Sensors</i> , <b>2010</b> , 10, 4887-97	3.8	58

130	QCM-arrays for sensing terpenes in fresh and dried herbs via bio-mimetic MIP layers. <i>Sensors</i> , <b>2010</b> , 10, 6361-76	3.8	57
129	Low-Density Lipoprotein Sensor Based on Molecularly Imprinted Polymer. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1419-25	7.8	51
128	Highly sensitive and selective electrochemical paper-based device using a graphite screen-printed electrode modified with molecularly imprinted polymers coated FeO@Au@SiO for serotonin determination. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1077, 255-265	6.6	50
127	Comparing biomimetic and biological receptors for insulin sensing. <i>Chemical Communications</i> , <b>2010</b> , 46, 3128-30	5.8	50
126	QCM array for on-line-monitoring of composting procedures. <i>Analyst, The</i> , <b>2004</b> , 129, 432-7	5	48
125	Surface Imprints: Advantageous Application of Ready2use Materials for Bacterial Quartz-Crystal Microbalance Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1129-1135	9.5	47
124	Dual and tetraelectrode QCMs using imprinted polymers as receptors for ions and neutral analytes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 2507-15	4.4	47
123	Sensors for bioanalytes by imprinting--polymers mimicking both biological receptors and the corresponding bioparticles. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 25, 9-14	11.8	46
122	Sensor strategies for microorganism detection--from physical principles to imprinting procedures. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 540-9	4.4	43
121	Selective amperometric flow-injection analysis of carbofuran using a molecularly-imprinted polymer and gold-coated-magnetite modified carbon nanotube-paste electrode. <i>Talanta</i> , <b>2018</b> , 179, 700-709	6.2	43
120	Real-Time Water Quality Monitoring with Chemical Sensors. <i>Sensors</i> , <b>2020</b> , 20,	3.8	42
119	MIP sensors on the way to biotech applications: Targeting selectivity. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 189, 199-202	8.5	42
118	Pollen-imprinted polyurethanes for QCM allergen sensors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 523-8	4.4	41
117	Synthetic receptors for selectively detecting erythrocyte ABO subgroups. <i>Analytica Chimica Acta</i> , <b>2009</b> , 651, 215-9	6.6	41
116	Quality control of automotive engine oils with mass-sensitive chemical sensors--QCMs and molecularly imprinted polymers. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2000</b> , 366, 802-6		40
115	Rapid bioanalysis with chemical sensors: novel strategies for devices and artificial recognition membranes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 1629-39	4.4	38
114	Nanoparticles for detecting pollutants and degradation processes with mass-sensitive sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 127, 132-136	8.5	37
113	Molecularly Imprinted Polymer Nanoparticles for Formaldehyde Sensing with QCM. <i>Sensors</i> , <b>2016</b> , 16,	3.8	37

112	Imprinting as a versatile platform for sensitive materials [nanopatterning of the polymer bulk and surfaces. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 111-112, 259-263	8.5	36
111	Acidic and basic polymers for molecularly imprinted folic acid sensors [QCM studies with thin films and nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 176, 1090-1095	8.5	35
110	Real-life application of a QCM-based e-nose: quantitative characterization of different plant-degradation processes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 2897-903	4.4	35
109	Molecularly imprinted sol-gel nanoparticles for mass-sensitive engine oil degradation sensing. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 441-6	4.4	31
108	Polymers imprinted with PAH mixtures--comparing fluorescence and QCM sensors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 392, 1405-10	4.4	30
107	Softlithography in Chemical Sensing [Analytes From Molecules to Cells. <i>Sensors</i> , <b>2005</b> , 5, 509-518	3.8	30
106	Molecularly imprinted polymers for conductance sensing of Cu <sup>2+</sup> in aqueous solutions. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 192, 522-528	8.5	29
105	QCM gas phase detection with ceramic materials--VOCs and oil vapors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 2457-62	4.4	29
104	Biomimetic Yeast Cell Typing-Application of QCMs. <i>Sensors</i> , <b>2009</b> , 9, 8146-57	3.8	28
103	Imprinted sol-gel materials for monitoring degradation products in automotive oils by shear transverse wave. <i>Analytica Chimica Acta</i> , <b>2010</b> , 675, 53-7	6.6	28
102	Molecularly imprinted porous beads for the selective removal of copper ions. <i>Journal of Separation Science</i> , <b>2016</b> , 39, 793-8	3.4	27
101	A novel approach to identify molecular binding to the influenza virus H5N1: screening using molecularly imprinted polymers (MIPs). <i>MedChemComm</i> , <b>2014</b> , 5, 617-621	5	27
100	Surface molecular imprints of WGA lectin as artificial receptors for mass-sensitive binding studies. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 2499-506	4.4	26
99	Solvatochromic betaine dyes as optochemical sensor materials: detection of polar and non-polar vapors. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 70, 263-269	8.5	26
98	Application of yeast imprinting in biotechnology and process control. <i>Analyst, The</i> , <b>2009</b> , 134, 361-6	5	25
97	Printing materials in micro- and nano-scale: Systems for process control. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 126, 153-158	8.5	25
96	Trichloroacetic acid-imprinted polypyrrole film and its property in piezoelectric quartz crystal microbalance and electrochemical sensors to application for determination of haloacetic acids disinfection by-product in drinking water. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 3861-3871	2.9	24
95	QCM-based rapid detection of PCR amplification products of <i>Ehrlichia canis</i> . <i>Analytica Chimica Acta</i> , <b>2018</b> , 1001, 106-111	6.6	24

94	Borderline applications of QCM-devices: synthetic antibodies for analytes in both nm- and $\mu$ m-dimensions. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 95, 20-24	8.5	23
93	High-density lipoprotein sensor based on molecularly imprinted polymer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 875-883	4.4	22
92	Chemosensors in environmental monitoring: challenges in ruggedness and selectivity. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 467-72	4.4	22
91	Biomimetic sensors targeting oxidized-low-density lipoprotein with molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1116, 27-35	6.6	21
90	Molecularly imprinted polymer-Ag <sub>2</sub> S nanoparticle composites for sensing volatile organics. <i>RSC Advances</i> , <b>2014</b> , 4, 12723-12728	3.7	21
89	Artificial receptor layers for detecting chemical and biological agent mimics. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 170, 196-200	8.5	21
88	Self-assembled glucosamine monolayers as biomimetic receptors for detecting WGA lectin and influenza virus with a quartz crystal microbalance. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 6471-8	4.4	20
87	Polymerization Parameters Influencing the QCM Response Characteristics of BSA MIP. <i>Biosensors</i> , <b>2014</b> , 4, 161-71	5.9	20
86	Molecularly imprinted polymers to detect profenofos and carbofuran selectively with QCM sensors. <i>Physics in Medicine</i> , <b>2019</b> , 7, 100016	2.7	19
85	Dopaminergic receptor-ligand binding assays based on molecularly imprinted polymers on quartz crystal microbalance sensors. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 117-124	11.8	19
84	Nanostructured materials with biomimetic recognition abilities for chemical sensing. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 328	5	19
83	QCM sensor array for monitoring terpene emissions from odoriferous plants. <i>Monatshefte für Chemie</i> , <b>2009</b> , 140, 947-952	1.4	19
82	Antibodies and Their Replicae in Microfluidic Sensor SystemsLabelfree Quality Assessment in Food Chemistry and Medicine. <i>Sensor Letters</i> , <b>2010</b> , 8, 399-404	0.9	19
81	From nanopatterning to functionalitySurface and bulk imprinting for analytical purposes. <i>Superlattices and Microstructures</i> , <b>2004</b> , 36, 133-142	2.8	18
80	SAW RFID-Tags for Mass-Sensitive Detection of Humidity and Vapors. <i>Sensors</i> , <b>2009</b> , 9, 9805-15	3.8	17
79	Combining Two Selection Principles: Sensor Arrays Based on Both Biomimetic Recognition and Chemometrics. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 268	5	16
78	Modifying polymers by self-organisation for the mass-sensitive detection of environmental and biogeneous analytes. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 100, 112-116	8.5	16
77	Sensing the classical swine fever virus with molecularly imprinted polymer on quartz crystal microbalance. <i>Heliyon</i> , <b>2020</b> , 6, e04137	3.6	14

76	Recognition principle of Cu <sup>2+</sup> -imprinted polymersAssessing interactions by combined spectroscopic and mass-sensitive measurements. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 976-980	8.5	13
75	Chemical Sensors [From Molecules, Complex Mixtures to Cells ]Supramolecular Imprinting Strategies. <i>Sensors</i> , <b>2003</b> , 3, 381-392	3.8	13
74	Disposable (bio)chemical integrated optical waveguide sensors implemented on roll-to-roll produced platforms. <i>RSC Advances</i> , <b>2016</b> , 6, 50414-50422	3.7	12
73	Combined Layer/Particle Approaches in Surface Molecular Imprinting of Proteins: Signal Enhancement and Competition. <i>Sensors</i> , <b>2018</b> , 18,	3.8	12
72	Quartz Crystal Microbalance In-Line Sensing of Escherichia Coli in a Bioreactor Using Molecularly Imprinted Polymers. <i>Sensor Letters</i> , <b>2014</b> , 12, 1152-1155	0.9	12
71	Nanostructured polymers for detecting chemical changes during engine oil degradation. <i>IEEE Sensors Journal</i> , <b>2006</b> , 6, 529-535	4	12
70	Molecularly Imprinted Polymers for Diagnostics: Sensing High Density Lipoprotein and Dengue Virus. <i>Procedia Engineering</i> , <b>2016</b> , 168, 101-104		12
69	S-layer based biomolecular imprinting. <i>RSC Advances</i> , <b>2015</b> , 5, 83558-83564	3.7	11
68	Thermo-nanoimprinted biomimetic probe for LPS and LTA immunosensing. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1679-86	7.8	11
67	Cavities generated by self-organised monolayers as sensitive coatings for surface acoustic wave resonators. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 561-6	4.4	11
66	Imprinted Polymers in Chemical Recognition for Mass-Sensitive Devices <b>2006</b> , 173-210		11
65	Covalently anchored supramolecular monolayers on quartz surfaces for use in SAW sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 113, 677-683	8.5	11
64	Direct detection of Listeria monocytogenes DNA amplification products with quartz crystal microbalances at elevated temperatures. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 308, 127678	8.5	11
63	Molecularly imprinted thin film surfaces in sensing: Chances and challenges. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 161, 104855	4.6	11
62	Modified carbon black as label in a colorimetric on-chip immunoassay for histamine. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 1092-1099	8.5	10
61	Sensing array based on molecularly imprinted polymers for simultaneous assessment of lipoproteins. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 298, 126828	8.5	10
60	Multisensor biomimetic systems with fully artificial recognition strategies in food analysis. <i>Monatshefte für Chemie</i> , <b>2009</b> , 140, 931-939	1.4	10
59	Novel dual-sensor for creatinine and 8-hydroxy-2'deoxyguanosine using carbon-paste electrode modified with molecularly imprinted polymers and multiple-pulse amperometry. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 334, 129636	8.5	10

58	Mass-Sensitive Sensing of Melamine in Dairy Products with Molecularly Imprinted Polymers: Matrix Challenges. <i>Sensors</i> , <b>2019</b> , 19,	3.8	9
57	Molecular Imprinting Studies for Developing QCM-sensors for Bacillus Cereus. <i>Procedia Engineering</i> , <b>2016</b> , 168, 561-564		9
56	Classification of alcohols obtained by QCM sensors with different characteristics using ABC based neural network <b>2020</b> , 23, 463-469		9
55	Direct assessment of very-low-density lipoprotein by mass sensitive sensor with molecularly imprinted polymers. <i>Talanta</i> , <b>2021</b> , 221, 121549	6.2	9
54	Real-Time and Online Monitoring of Glucose Contents by Using Molecular Imprinted Polymer-Based IDEs Sensor. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 189, 1156-1166	3.2	8
53	Quartz crystal microbalance sensor based on affinity interactions between organic thiols and molybdenum disulfide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 162, 63-67	8.5	8
52	MIP Sensors on the Way to Biotech Application: Selectivity and Ruggedness. <i>Procedia Engineering</i> , <b>2012</b> , 47, 534-537		8
51	Novel amino-containing molecularly-imprinted polymer coating on magnetite-gold core for sensitive and selective carbofuran detection in food. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105298	4.8	8
50	A Self-Organisation Synthesis Approach for Bacteria Molecularly Imprinted Polymers. <i>Procedia Engineering</i> , <b>2016</b> , 168, 557-560		7
49	Design of heterostructured hybrids comprising ultrathin 2D bismuth tungstate nanosheets reinforced by chloramphenicol imprinted polymers used as biomimetic interfaces for mass-sensitive detection. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 188, 110775	6	6
48	NANOSTRUCTURED PARTICLES AND LAYERS FOR SENSING CONTAMINANTS IN AIR AND WATER. <i>Nano</i> , <b>2008</b> , 03, 205-208	1.1	6
47	Biomimetic Sensors to Detect Bioanalytes in Real-Life Samples Using Molecularly Imprinted Polymers: A Review. <i>Sensors</i> , <b>2021</b> , 21,	3.8	6
46	Molecular Imprinting on the Nanoscale [Rapid Detection of Ag Nanoparticles by QCM Sensors. <i>Procedia Engineering</i> , <b>2014</b> , 87, 236-239		5
45	Artificial receptor layers for detecting chemical and biological threats. <i>Procedia Engineering</i> , <b>2010</b> , 5, 381-384		5
44	Ceramic Materials for Mass-Sensitive Sensors - Detection of VOCs and Monitoring Oil Degradation. <i>Advances in Science and Technology</i> , <b>2006</b> , 45, 1799-1802	0.1	5
43	Thin Film Plastic Antibody-Based Microplate Assay for Human Serum Albumin Determination. <i>Polymers</i> , <b>2021</b> , 13,	4.5	5
42	Surface Modification of Integrated Optical MZI Sensor Arrays Using Inkjet Printing Technology. <i>Procedia Engineering</i> , <b>2016</b> , 168, 337-340		5
41	Molecularly Imprinted Polymer Based Sensor to Detect Isoborneol in Aqueous Samples. <i>Procedia Engineering</i> , <b>2016</b> , 168, 448-451		5

40	Selectivity enhancement of MIP-composite sensor for explosive detection using DNT-dengue virus template: A co-imprinting approach. <i>Materials Letters</i> , <b>2021</b> , 285, 129201	3.3	5
39	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment. <i>Journal of Sensors</i> , <b>2018</b> , 2018, 1-6	2	5
38	H5N1 Virus Plastic Antibody Based on Molecularly Imprinted Polymers. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1575, 381-388	1.4	4
37	Artificial Receptors for Mass-Sensitive Sensors <b>2012</b> , 195-235		4
36	Smart sensor for assessment of oxidative/nitrative stress biomarkers using a dual-imprinted electrochemical paper-based analytical device.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1191, 339363	6.6	4
35	Functional Materials for Biosensing From Proteins to Cells and Pollen. <i>Sensor Letters</i> , <b>2008</b> , 6, 641-645	0.9	4
34	From metal ions to biospecies: template-assisted synthesis as a strategy to generate artificial receptor materials. <i>Advanced Materials Letters</i> , <b>2011</b> , 2, 319-321	2.4	4
33	Enhancing sensitivity of QCM for dengue type 1 virus detection using graphene-based polymer composites. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 6191-6198	4.4	4
32	An influenza A virus agglutination test using antibody-like polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 1786-1795	3.5	3
31	Towards Recycled Paper Based Impedance Biosensor with Wireless Readout. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 619	0.3	3
30	Mass sensitive multi-sensor platform for receptor screening and quantification purposes. <i>Journal of the Chinese Advanced Materials Society</i> , <b>2013</b> , 1, 200-209		3
29	From mono- to polytopic interactions via hydrogen bonds [Capacitive sensor studies. <i>Materials Science and Engineering C</i> , <b>2011</b> , 31, 553-557	8.3	3
28	Development of conductive molecularly imprinted polymers (cMIPs) for limonene to improve and interconnect QCM and chemiresistor sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 356, 131293	8.5	3
27	Molecularly imprinted polymeric coatings for sensitive and selective gravimetric detection of artemether.. <i>RSC Advances</i> , <b>2020</b> , 10, 34355-34363	3.7	3
26	Polyvinyl fluoride-based anion exchanger for efficient removal of chromium (VI) from aqueous solutions. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 3995-4004	3.2	3
25	Monitoring of Real-Time Loop-Mediated Isothermal Amplification with QCM: Detecting. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	3
24	QCM-based assay designs for human serum albumin.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> ,	4.4	3
23	Nanostructured functional polymers for engine oil quality sensors		2



22	A microfluidic impedance-based extended infectivity assay: combining retroviral amplification and cytopathic effect monitoring on a single lab-on-a-chip platform. <i>Lab on A Chip</i> , <b>2021</b> , 21, 1364-1372	7.2	2
21	Polyvinyl chloride modifications, properties, and applications: Review. <i>Polymers for Advanced Technologies</i> ,	3.2	2
20	Selective chemical sensor based on molecularly imprinted polymer to detect isoborneol in aqueous samples <b>2017</b> ,		1
19	Biomimetic Recognition for Acoustic Sensing in Liquids. <i>Springer Series on Chemical Sensors and Biosensors</i> , <b>2017</b> , 323-344	2	1
18	Sensor Array Based on Molecularly Imprinted Polymers for Simultaneous Detection of Lipoproteins. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 510	0.3	1
17	Development of a Novel Platelets Functional Assay Using QCM. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 514	0.3	1
16	Toward large-area roll-to-roll printed nanophotonic sensors <b>2014</b> ,		1
15	MIP Sensors on the Way to Real-World Applications. <i>Springer Series on Chemical Sensors and Biosensors</i> , <b>2012</b> , 167-187	2	1
14	Mass-sensitive and resistive detection of bioanalytes - Synthetic antibodies and plastic replicaes <b>2010</b> ,		1
13	Generating Bio-Analogous Recognition of Artificial Materials Sensors and Electronic Noses for Odours. <i>Advances in Science and Technology</i> , <b>2008</b> , 58, 103-107	0.1	1
12	Acoustic chemosensors for real-life environments <b>2008</b> ,		1
11	Chemische Sensoren durch Molekulares Prägen. <i>Nachrichten Aus Der Chemie</i> , <b>2003</b> , 51, 1139-1143	0.1	1
10	Aptamer-Based QCM-Sensor for Rapid Detection of PRRS Virus. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 1038	0.3	1
9	Development of a MIP-Based QCM Sensor for Selective Detection of Penicillins in Aqueous Media. <i>Chemosensors</i> , <b>2021</b> , 9, 362	4	1
8	Imprinting with Chemical Sensors - Challenges in Molecular Recognition and Universal Application. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 787, 541		0
7	Polymers, Molecularly Imprinted <b>2016</b> , 1-20		0
6	Bioanalogous Recognition with Sol-Gel Thin Films and Nanoparticles in Harsh Environments. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1094, 1		
5	Chemical Recognition and Sensing by Self-Organization <b>2004</b> , 1-13		

- 4 Sensor Materials - Detecting Molecules, Mixtures and Microorganisms - . *Materials Research Society Symposia Proceedings*, **2002**, 723, 211
- 3 Solid-state Sensors for Field Measurements of Gases and Vapors **2000**, 1-30
- 2 Molecularly Imprinted Polymers for Recognition of Engineered Nanoparticles. *ECS Meeting Abstracts*, **2021**, MA2021-01, 1684-1684 ○
- 1 How perfluoroalkyl substances modify fluorinated self-assembled monolayer architectures: An electrochemical and computational study.. *Analytica Chimica Acta*, **2022**, 1204, 339740 6.6