

# Peter Alexander Lieberzeit

## List of Publications by Year in descending order

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164  
papers

4,693  
citations

87723

38  
h-index

123241

61  
g-index

171  
all docs

171  
docs citations

171  
times ranked

4199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly imprinted polymer nanoparticles in chemical sensing – Synthesis, characterisation and application. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 144-157.	4.0	396
2	Artificial Antibodies for Bioanalyte Detection – Sensing Viruses and Proteins. <i>Advanced Functional Materials</i> , 2006, 16, 1269-1278.	7.8	198
3	Sensing Picornaviruses Using Molecular Imprinting Techniques on a Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 2009, 81, 5320-5326.	3.2	123
4	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> , 2018, 342, 96-106.	6.5	114
5	A novel method for dengue virus detection and antibody screening using a graphene-polymer based electrochemical biosensor. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 549-557.	1.7	104
6	A Review on Synthetic Receptors for Bioparticle Detection Created by Surface-Imprinting Techniques – From Principles to Applications. <i>ACS Sensors</i> , 2016, 1, 1171-1187.	4.0	99
7	Chemical Sensors Based on Molecularly Imprinted Sol-Gel Materials. <i>Materials</i> , 2010, 3, 2196-2217.	1.3	96
8	Sensor technology and its application in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 237-247.	1.9	93
9	Molecular imprinting in chemical sensing - Detection of aromatic and halogenated hydrocarbons as well as polar solvent vapors. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 360, 759-762.	1.5	90
10	Detection of viruses with molecularly imprinted polymers integrated on a microfluidic biochip using contact-less dielectric microsensors. <i>Lab on A Chip</i> , 2009, 9, 3549.	3.1	89
11	Real-Time Water Quality Monitoring with Chemical Sensors. <i>Sensors</i> , 2020, 20, 3432.	2.1	88
12	Chemosensors for Viruses Based on Artificial Immunoglobulin Copies. <i>Advanced Materials</i> , 2010, 22, 2078-2081.	11.1	82
13	Highly sensitive and selective electrochemical paper-based device using a graphite screen-printed electrode modified with molecularly imprinted polymers coated Fe <sub>3</sub> O <sub>4</sub> @Au@SiO <sub>2</sub> for serotonin determination. <i>Analytica Chimica Acta</i> , 2019, 1077, 255-265.	2.6	81
14	Molecular imprints as artificial antibodies – a new generation of chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2000, 65, 186-189.	4.0	80
15	Biomimetic Strategies for Sensing Biological Species. <i>Biosensors</i> , 2013, 3, 89-107.	2.3	79
16	Influenza A virus molecularly imprinted polymers and their application in virus sub-type classification. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2190.	2.9	75
17	Solvent Vapour Detection with Cholesteric Liquid Crystals – Optical and Mass-Sensitive Evaluation of the Sensor Mechanism. <i>Sensors</i> , 2010, 10, 4887-4897.	2.1	71
18	Synthetic receptors for chemical sensors – subnano- and micrometre patterning by imprinting techniques. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1040-1044.	5.3	69

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19	Nano- and micro-structuring of sensor materialsâ€”from molecule to cell detection. <i>Synthetic Metals</i> , 2003, 138, 65-69.	2.1	68
20	Surface Imprints: Advantageous Application of Ready2use Materials for Bacterial Quartz-Crystal Microbalance Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1129-1135.	4.0	68
21	QCM-Arrays for Sensing Terpenes in Fresh and Dried Herbs via Bio-Mimetic MIP Layers. <i>Sensors</i> , 2010, 10, 6361-6376.	2.1	67
22	Low-Density Lipoprotein Sensor Based on Molecularly Imprinted Polymer. <i>Analytical Chemistry</i> , 2016, 88, 1419-1425.	3.2	63
23	Molecularly Imprinted Polymer Nanoparticles for Formaldehyde Sensing with QCM. <i>Sensors</i> , 2016, 16, 1011.	2.1	58
24	QCM array for on-line-monitoring of composting procedures. <i>Analyst</i> , The, 2004, 129, 432.	1.7	56
25	Comparing biomimetic and biological receptors for insulin sensing. <i>Chemical Communications</i> , 2010, 46, 3128.	2.2	53
26	Sensors for bioanalytes by imprintingâ€”Polymers mimicking both biological receptors and the corresponding bioparticles. <i>Biosensors and Bioelectronics</i> , 2009, 25, 9-14.	5.3	52
27	Selective amperometric flow-injection analysis of carbofuran using a molecularly-imprinted polymer and gold-coated-magnetite modified carbon nanotube-paste electrode. <i>Talanta</i> , 2018, 179, 700-709.	2.9	51
28	Synthetic receptors for selectively detecting erythrocyte ABO subgroups. <i>Analytica Chimica Acta</i> , 2009, 651, 215-219.	2.6	50
29	Dual and tetraelectrode QCMs using imprinted polymers as receptors for ions and neutral analytes. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2507-2515.	1.9	50
30	Sensor strategies for microorganism detection?from physical principles to imprinting procedures. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 540-549.	1.9	48
31	Quality control of automotive engine oils with mass-sensitive chemical sensors - QCMs and molecularly imprinted polymers. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 802-806.	1.5	46
32	MIP sensors on the way to biotech applications: Targeting selectivity. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 199-202.	4.0	46
33	Acidic and basic polymers for molecularly imprinted folic acid sensorsâ€”QCM studies with thin films and nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1090-1095.	4.0	45
34	Pollen-imprinted polyurethanes for QCM allergen sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 523-528.	1.9	43
35	Rapid bioanalysis with chemical sensors: novel strategies for devices and artificial recognition membranes. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1629-1639.	1.9	42
36	Real-life application of a QCM-based e-nose: quantitative characterization of different plant-degradation processes. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2897-2903.	1.9	40

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37	Molecularly imprinted thin film surfaces in sensing: Chances and challenges. <i>Reactive and Functional Polymers</i> , 2021, 161, 104855.	2.0	40
38	Imprinting as a versatile platform for sensitive materials – nanopatterning of the polymer bulk and surfaces. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 259-263.	4.0	39
39	Nanoparticles for detecting pollutants and degradation processes with mass-sensitive sensors. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 132-136.	4.0	38
40	Molecularly imprinted sol-gel nanoparticles for mass-sensitive engine oil degradation sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 441-446.	1.9	36
41	A novel approach to identify molecular binding to the influenza virus H5N1: screening using molecularly imprinted polymers (MIPs). <i>MedChemComm</i> , 2014, 5, 617-621.	3.5	36
42	QCM gas phase detection with ceramic materials – VOCs and oil vapors. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2457-2462.	1.9	35
43	Softlithography in Chemical Sensing – Analytes from Molecules to Cells. <i>Sensors</i> , 2005, 5, 509-518.	2.1	34
44	Polymers imprinted with PAH mixtures – comparing fluorescence and QCM sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 1405-1410.	1.9	32
45	Biomimetic sensors targeting oxidized-low-density lipoprotein with molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2020, 1116, 27-35.	2.6	32
46	Imprinted sol-gel materials for monitoring degradation products in automotive oils by shear transverse wave. <i>Analytica Chimica Acta</i> , 2010, 675, 53-57.	2.6	31
47	Molecularly imprinted polymers for conductance sensing of Cu <sup>2+</sup> in aqueous solutions. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 522-528.	4.0	31
48	Molecularly imprinted porous beads for the selective removal of copper ions. <i>Journal of Separation Science</i> , 2016, 39, 793-798.	1.3	31
49	QCM-based rapid detection of PCR amplification products of <i>Ehrlichia canis</i> . <i>Analytica Chimica Acta</i> , 2018, 1001, 106-111.	2.6	31
50	Molecularly imprinted polymers to detect profenofos and carbofuran selectively with QCM sensors. <i>Physics in Medicine</i> , 2019, 7, 100016.	0.6	31
51	Biomimetic Yeast Cell Typing – Application of QCMs. <i>Sensors</i> , 2009, 9, 8146-8157.	2.1	30
52	Molecularly imprinted polymer – Ag <sub>2</sub> S nanoparticle composites for sensing volatile organics. <i>RSC Advances</i> , 2014, 4, 12723-12728.	1.7	29
53	Combining Two Selection Principles: Sensor Arrays Based on Both Biomimetic Recognition and Chemometrics. <i>Frontiers in Chemistry</i> , 2018, 6, 268.	1.8	29
54	Solvatochromic betaine dyes as optochemical sensor materials: detection of polar and non-polar vapors. <i>Sensors and Actuators B: Chemical</i> , 2000, 70, 263-269.	4.0	28

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55	Application of yeast imprinting in biotechnology and process control. <i>Analyst, The</i> , 2009, 134, 361-366.	1.7	28
56	Chemosensors in environmental monitoring: challenges in ruggedness and selectivity. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 467-472.	1.9	27
57	High-density lipoprotein sensor based on molecularly imprinted polymer. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 875-883.	1.9	27
58	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> , 2021, 334, 129636.	4.0	27
59	Surface molecular imprints of WGA lectin as artificial receptors for mass-sensitive binding studies. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2499-2506.	1.9	26
60	Dopaminergic receptorâ€”ligand binding assays based on molecularly imprinted polymers on quartz crystal microbalance sensors. <i>Biosensors and Bioelectronics</i> , 2016, 81, 117-124.	5.3	26
61	Polyvinyl chloride modifications, properties, and applications: Review. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1809-1820.	1.6	26
62	Borderline applications of QCM-devices: synthetic antibodies for analytes in both nm- and $\mu$ m-dimensions. <i>Sensors and Actuators B: Chemical</i> , 2003, 95, 20-24.	4.0	25
63	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. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3861-3871.	1.3	25
64	Printing materials in micro- and nano-scale: Systems for process control. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 153-158.	4.0	25
65	Artificial receptor layers for detecting chemical and biological agent mimics. <i>Sensors and Actuators B: Chemical</i> , 2012, 170, 196-200.	4.0	24
66	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> , 2013, 405, 6471-6478.	1.9	24
67	SAW RFID-Tags for Mass-Sensitive Detection of Humidity and Vapors. <i>Sensors</i> , 2009, 9, 9805-9815.	2.1	22
68	QCM sensor array for monitoring terpene emissions from odoriferous plants. <i>Monatshefte FÃ¼r Chemie</i> , 2009, 140, 947-952.	0.9	22
69	Sensing the classical swine fever virus with molecularly imprinted polymer on quartz crystal microbalance. <i>Heliyon</i> , 2020, 6, e04137.	1.4	22
70	Polymerization Parameters Influencing the QCM Response Characteristics of BSA MIP. <i>Biosensors</i> , 2014, 4, 161-171.	2.3	21
71	Molecular Imprinting Studies for Developing QCM-sensors for <i>Bacillus Cereus</i> . <i>Procedia Engineering</i> , 2016, 168, 561-564.	1.2	21
72	Antibodies and Their Replicae in Microfluidic Sensor Systemsâ€”Labelfree Quality Assessment in Food Chemistry and Medicine. <i>Sensor Letters</i> , 2010, 8, 399-404.	0.4	21

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73	Nanostructured materials with biomimetic recognition abilities for chemical sensing. <i>Nanoscale Research Letters</i> , 2012, 7, 328.	3.1	20
74	From nanopatterning to functionalityâ€”surface and bulk imprinting for analytical purposes. <i>Superlattices and Microstructures</i> , 2004, 36, 133-142.	1.4	19
75	Direct detection of <i>Listeria monocytogenes</i> DNA amplification products with quartz crystal microbalances at elevated temperatures. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127678.	4.0	18
76	Biomimetic Sensors to Detect Bioanalytes in Real-Life Samples Using Molecularly Imprinted Polymers: A Review. <i>Sensors</i> , 2021, 21, 5550.	2.1	18
77	Modifying polymers by self-organisation for the mass-sensitive detection of environmental and biogeneous analytes. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 112-116.	4.0	17
78	Classification of alcohols obtained by QCM sensors with different characteristics using ABC based neural network. <i>Engineering Science and Technology, an International Journal</i> , 2020, 23, 463-469.	2.0	17
79	Novel amino-containing molecularly-imprinted polymer coating on magnetite-gold core for sensitive and selective carbofuran detection in food. <i>Microchemical Journal</i> , 2020, 158, 105298.	2.3	17
80	Smart sensor for assessment of oxidative/nitrative stress biomarkers using a dual-imprinted electrochemical paper-based analytical device. <i>Analytica Chimica Acta</i> , 2022, 1191, 339363.	2.6	17
81	Quartz Crystal Microbalance In-Line Sensing of <i>Escherichia Coli</i> in a Bioreactor Using Molecularly Imprinted Polymers. <i>Sensor Letters</i> , 2014, 12, 1152-1155.	0.4	16
82	Recognition principle of Cu <sup>2+</sup> -imprinted polymersâ€”Assessing interactions by combined spectroscopic and mass-sensitive measurements. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 976-980.	4.0	16
83	Chemical Sensors â€” from Molecules, Complex Mixtures to Cells â€” Supramolecular Imprinting Strategies. <i>Sensors</i> , 2003, 3, 381-392.	2.1	15
84	Nanostructured polymers for detecting chemical changes during engine oil degradation. <i>IEEE Sensors Journal</i> , 2006, 6, 529-535.	2.4	15
85	Molecularly Imprinted Polymers for Diagnostics: Sensing High Density Lipoprotein and Dengue Virus. <i>Procedia Engineering</i> , 2016, 168, 101-104.	1.2	15
86	Disposable (bio)chemical integrated optical waveguide sensors implemented on roll-to-roll produced platforms. <i>RSC Advances</i> , 2016, 6, 50414-50422.	1.7	15
87	Mass-Sensitive Sensing of Melamine in Dairy Products with Molecularly Imprinted Polymers: Matrix Challenges. <i>Sensors</i> , 2019, 19, 2366.	2.1	15
88	Sensing array based on molecularly imprinted polymers for simultaneous assessment of lipoproteins. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126828.	4.0	15
89	Direct assessment of very-low-density lipoprotein by mass sensitive sensor with molecularly imprinted polymers. <i>Talanta</i> , 2021, 221, 121549.	2.9	15
90	Modified carbon black as label in a colorimetric on-chip immunoassay for histamine. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 1092-1099.	4.0	14

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91	Combined Layer/Particle Approaches in Surface Molecular Imprinting of Proteins: Signal Enhancement and Competition. <i>Sensors</i> , 2018, 18, 180.	2.1	14
92	Selectivity enhancement of MIP-composite sensor for explosive detection using DNT-dengue virus template: A co-imprinting approach. <i>Materials Letters</i> , 2021, 285, 129201.	1.3	14
93	In-Situ Monitoring of Real-Time Loop-Mediated Isothermal Amplification with QCM: Detecting <i>Listeria monocytogenes</i> . <i>Biosensors</i> , 2021, 11, 308.	2.3	14
94	Investigations on sub-structures within cavities of surface imprinted polymers using AFM and PF-QNM. <i>Soft Matter</i> , 2022, 18, 2245-2251.	1.2	14
95	Thermo-Nanoimprinted Biomimetic Probe for LPS and LTA Immunosensing. <i>Analytical Chemistry</i> , 2014, 86, 1679-1686.	3.2	13
96	Real-Time and Online Monitoring of Glucose Contents by Using Molecular Imprinted Polymer-Based IDEs Sensor. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 1156-1166.	1.4	13
97	Covalently anchored supramolecular monolayers on quartz surfaces for use in SAW sensors. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 677-683.	4.0	12
98	Cavities generated by self-organised monolayers as sensitive coatings for surface acoustic wave resonators. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 561-566.	1.9	12
99	Multisensor biomimetic systems with fully artificial recognition strategies in food analysis. <i>Monatshefte für Chemie</i> , 2009, 140, 931-939.	0.9	12
100	S-layer based biomolecular imprinting. <i>RSC Advances</i> , 2015, 5, 83558-83564.	1.7	12
101	Molecularly imprinted polymeric coatings for sensitive and selective gravimetric detection of artemether. <i>RSC Advances</i> , 2020, 10, 34355-34363.	1.7	12
102	Enhancing sensitivity of QCM for dengue type 1 virus detection using graphene-based polymer composites. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6191-6198.	1.9	12
103	Development of conductive molecularly imprinted polymers (cMIPs) for limonene to improve and interconnect QCM and chemiresistor sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131293.	4.0	12
104	Imprinted Polymers in Chemical Recognition for Mass-Sensitive Devices. , 2006, , 173-210.		11
105	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> , 2020, 188, 110775.	2.5	10
106	Polyvinylchloride-based anion exchanger for efficient removal of chromium ( $VI$ ) from aqueous solutions. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3995-4004.	1.6	10
107	Development of a MIP-Based QCM Sensor for Selective Detection of Penicillins in Aqueous Media. <i>Chemosensors</i> , 2021, 9, 362.	1.8	10
108	Surface Modification of Integrated Optical MZI Sensor Arrays Using Inkjet Printing Technology. <i>Procedia Engineering</i> , 2016, 168, 337-340.	1.2	9

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109	A Self-Organisation Synthesis Approach for Bacteria Molecularly Imprinted Polymers. <i>Procedia Engineering</i> , 2016, 168, 557-560.	1.2	9
110	Molecularly Imprinted Polymer Based Sensor to Detect Isoborneol in Aqueous Samples. <i>Procedia Engineering</i> , 2016, 168, 448-451.	1.2	9
111	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment. <i>Journal of Sensors</i> , 2018, 2018, 1-6.	0.6	9
112	MIP Sensors on the Way to Biotech Application: Selectivity and Ruggedness. <i>Procedia Engineering</i> , 2012, 47, 534-537.	1.2	8
113	Quartz crystal microbalance sensor based on affinity interactions between organic thiols and molybdenum disulfide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 63-67.	4.0	8
114	Thin Film Plastic Antibody-Based Microplate Assay for Human Serum Albumin Determination. <i>Polymers</i> , 2021, 13, 1763.	2.0	8
115	Raman Studies on Surface-Imprinted Polymers to Distinguish the Polymer Surface, Imprints, and Different Bacteria. <i>ACS Applied Bio Materials</i> , 2022, 5, 160-171.	2.3	8
116	NANOSTRUCTURED PARTICLES AND LAYERS FOR SENSING CONTAMINANTS IN AIR AND WATER. <i>Nano</i> , 2008, 03, 205-208.	0.5	7
117	Molecular Imprinting on the Nanoscale – Rapid Detection of Ag Nanoparticles by QCM Sensors. <i>Procedia Engineering</i> , 2014, 87, 236-239.	1.2	7
118	An influenza A virus agglutination test using antibody-like polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1786-1795.	1.9	7
119	From metal ions to biospecies: template-assisted synthesis as a strategy to generate artificial receptor materials. <i>Advanced Materials Letters</i> , 2011, 2, 319-321.	0.3	7
120	QCM-based assay designs for human serum albumin. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 731-741.	1.9	7
121	How perfluoroalkyl substances modify fluorinated self-assembled monolayer architectures: An electrochemical and computational study. <i>Analytica Chimica Acta</i> , 2022, 1204, 339740.	2.6	6
122	Raman and scanning probe microscopy for differentiating surface imprints of <i>E. coli</i> and <i>B. cereus</i> . <i>Journal of Materials Chemistry B</i> , 2022, 10, 6758-6767.	2.9	6
123	Ceramic Materials for Mass-Sensitive Sensors - Detection of VOCs and Monitoring Oil Degradation. <i>Advances in Science and Technology</i> , 2006, 45, 1799-1802.	0.2	5
124	Artificial receptor layers for detecting chemical and biological threats. <i>Procedia Engineering</i> , 2010, 5, 381-384.	1.2	5
125	H5N1 Virus Plastic Antibody Based on Molecularly Imprinted Polymers. <i>Methods in Molecular Biology</i> , 2017, 1575, 381-388.	0.4	5
126	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> , 2021, 21, 1364-1372.	3.1	5



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127	From mono- to polytopic interactions via hydrogen bonds â€” Capacitive sensor studies. <i>Materials Science and Engineering C</i> , 2011, 31, 553-557.	3.8	4
128	Artificial Receptors for Mass-Sensitive Sensors. , 2012, , 195-235.		4
129	Functional Materials for Biosensingâ€”From Proteins to Cells and Pollen. <i>Sensor Letters</i> , 2008, 6, 641-645.	0.4	4
130	Development and Up-Scaling of Electrochemical Production and Mild Thermal Reduction of Graphene Oxide. <i>Materials</i> , 2022, 15, 4639.	1.3	4
131	Synchronized, Spontaneous, and Oscillatory Detachment of Eukaryotic Cells: A New Tool for Cell Characterization and Identification. <i>Advanced Science</i> , 2022, 9, .	5.6	4
132	Nanostructured functional polymers for engine oil quality sensors. , 0, , .		3
133	Mass sensitive multi-sensor platform for receptor screening and quantification purposes. <i>Journal of the Chinese Advanced Materials Society</i> , 2013, 1, 200-209.	0.7	3
134	Towards Recycled Paper Based Impedance Biosensor with Wireless Readout. <i>Proceedings (mdpi)</i> , 2017, 1, 619.	0.2	3
135	ABC Spotlight on magnetic composite nanoparticles in analysis: increased sensitivity at decreased analysis time. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7559-7561.	1.9	3
136	Imprinting with Chemical Sensors - Challenges in Molecular Recognition and Universal Application. <i>Materials Research Society Symposia Proceedings</i> , 2003, 787, 541.	0.1	1
137	Chemische Sensoren durch Molekulares PrÃ¤gen. <i>Nachrichten Aus Der Chemie</i> , 2003, 51, 1139-1143.	0.0	1
138	Generating Bio-Analogous Recognition of Artificial Materials â€” Sensors and Electronic Noses for Odours. <i>Advances in Science and Technology</i> , 2008, 58, 103-107.	0.2	1
139	Acoustic chemosensors for real-life environments. , 2008, , .		1
140	Mass-sensitive and resistive detection of bioanalytes - Synthetic antibodies and plastic replicaes. , 2010, , .		1
141	Toward large-area roll-to-roll printed nanophotonic sensors. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
142	Selective chemical sensor based on molecularly imprinted polymer to detect isoborneol in aqueous samples. , 2017, , .		1
143	Biomimetic Recognition for Acoustic Sensing in Liquids. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2017, , 323-344.	0.5	1
144	Sensor Array Based on Molecularly Imprinted Polymers for Simultaneous Detection of Lipoproteins. <i>Proceedings (mdpi)</i> , 2017, 1, 510.	0.2	1

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145	Development of a Novel Platelets Functional Assay Using QCM. Proceedings (mdpi), 2017, 1, .	0.2	1
146	Aptamer-Based QCM-Sensor for Rapid Detection of PRRS Virus. Proceedings (mdpi), 2018, 2, 1038.	0.2	1
147	Sensor Materials - Detecting Molecules, Mixtures and Microorganisms -. Materials Research Society Symposia Proceedings, 2002, 723, 211.	0.1	0
148	Chemical Recognition and Sensing by Self-Organization. , 2004, , 1-13.		0
149	Bioanalogous Recognition with Sol-Gel Thin Films and Nanoparticles in Harsh Environments. Materials Research Society Symposia Proceedings, 2008, 1094, 1.	0.1	0
150	Special issue for the 2nd International Congress on Advanced Materials. Monatshefte FÃ¼r Chemie, 2014, 145, 1-1.	0.9	0
151	Special issue on the 8th International Conference on Molecular Imprinting: MIP2014. Monatshefte FÃ¼r Chemie, 2015, 146, 421-421.	0.9	0
152	Preparation of Mach-Zehnder interferometric photonic biosensors by inkjet printing technology. , 2017, , .		0
153	Special issue on the occasion of the â€œ3rd International Congress on Advanced Materials-AM2016â€œ. Monatshefte FÃ¼r Chemie, 2017, 148, 1153-1153.	0.9	0
154	Design of Mass-Sensitive Sensor Array for Biomedical Application: Sensing Lipoproteins. , 2018, , .		0
155	Surface Molecular Imprinting with Bacteria: Visualizing Re-Binding and Selectivity. ECS Meeting Abstracts, 2021, MA2021-01, 1666-1666.	0.0	0
156	Molecularly Imprinted Polymers for Recognition of Engineered Nanoparticles. ECS Meeting Abstracts, 2021, MA2021-01, 1684-1684.	0.0	0
157	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
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