Anthony P F Turner

List of Publications by Year in Descending Order

266 papers	18,584 citations	69 h-index	129 g-index
283 ext. papers	20,020 ext. citations	8.5 avg, IF	7.15 L-index

#	Paper	IF	Citations
266	Conducting Polymer-Reinforced Laser-Irradiated Graphene as a Heterostructured 3D Transducer for Flexible Skin Patch Biosensors. *ACS Applied Materials & Interfaces*, **2021**, 13, 54456-54465	9.5	4
265	Precise and rapid solvent-assisted geometric protein self-patterning with submicron spatial resolution for scalable fabrication of microelectronic biosensors. *Biosensors and Bioelectronics*, **2021**, 177, 112968	11.8	1
264	Processable and nanofibrous polyaniline:polystyrene-sulphonate (nano-PANI:PSS) for the fabrication of catalyst-free ammonium sensors and enzyme-coupled urea biosensors. *Biosensors and Bioelectronics*, **2021**, 171, 112725	11.8	16
263	Bi-functional sulphonate-coupled reduced graphene oxide as an efficient dopant for a conducting polymer with enhanced electrochemical performance. *Journal of Materials Chemistry C*, **2020**, 8, 12829-12839	7.1	2
262	Tunable 3D nanofibrous and bio-functionalised PEDOT network explored as a conducting polymer-based biosensor. *Biosensors and Bioelectronics*, **2020**, 159, 112181	11.8	22
261	Lanthanide [Terbium(III)]-Doped Molecularly Imprinted Nanoarchitectures for the Fluorimetric Detection of Melatonin. *Industrial & Engineering Chemistry Research*, **2020**, 59, 16068-16076	3.9	2
260	Soft and flexible material-based affinity sensors. *Biotechnology Advances*, **2020**, 39, 107398	17.8	41
259	Modulating Electrode Kinetics for Discrimination of Dopamine by a PEDOT:COOH Interface Doped with Negatively Charged Tricarboxylate. *ACS Applied Materials & Interfaces*, **2019**, 11, 34497-34506	9.5	21
258	Artificial Muscles Powered by Glucose. *Advanced Materials*, **2019**, 31, e1901677	24	25
257	A repertoire of biomedical applications of noble metal nanoparticles. *Chemical Communications*, **2019**, 55, 6964-6996	5.8	139
256	Integrated Printed Microfluidic Biosensors. *Trends in Biotechnology*, **2019**, 37, 1104-1120	15.1	36
255	Generic Neutravidin Biosensor for Simultaneous Multiplex Detection of MicroRNAs via Electrochemically Encoded Responsive Nanolabels. *ACS Sensors*, **2019**, 4, 326-334	9.2	32
254	Electrochemical detection of DNA mismatches using a branch-shaped hierarchical SWNT-DNA nano-hybrid bioelectrode. *Materials Science and Engineering C*, **2019**, 104, 109886	8.3	3
253	Label-free DNA sensor based on diazonium immobilisation for detection of DNA damage in breast cancer 1 gene. *Sensors and Actuators B: Chemical*, **2018**, 264, 59-66	8.5	19
252	Multifactorial modeling and optimization of solution and electrospinning parameters to generate superfine polystyrene nanofibers. *Advances in Polymer Technology*, **2018**, 37, 2743-2755	1.9	13
251	Facile synthesis of highly processable and water dispersible polypyrrole and poly(3,4-ethylenedioxythiophene) microspheres for enhanced supercapacitive performance. *European Polymer Journal*, **2018**, 99, 332-339	5.2	11
250	Type I Collagen-Derived Injectable Conductive Hydrogel Scaffolds as Glucose Sensors. *ACS Applied Materials & Interfaces*, **2018**, 10, 16244-16249	9.5	27

249	Processable enzyme-hybrid conductive polymer composites for electrochemical biosensing. *Biosensors and Bioelectronics*, **2018**, 100, 374-381	11.8	41
248	Positively-charged hierarchical PEDOT interface with enhanced electrode kinetics for NADH-based biosensors. *Biosensors and Bioelectronics*, **2018**, 120, 115-121	11.8	23
247	Electrochemical performance of nanofibrous highly flexible electrodes enhanced by different structural configurations. *Composites Science and Technology*, **2018**, 155, 81-90	8.6	6
246	Structuring Au nanoparticles on two-dimensional MoS nanosheets for electrochemical glucose biosensors. *Biosensors and Bioelectronics*, **2017**, 89, 545-550	11.8	134
245	Acetylene-sourced CVD-synthesised catalytically active graphene for electrochemical biosensing. *Biosensors and Bioelectronics*, **2017**, 89, 496-504	11.8	25
244	Stimuli-enabled zipper-like graphene interface for auto-switchable bioelectronics. *Biosensors and Bioelectronics*, **2017**, 89, 305-311	11.8	12
243	Hierarchical Aerographite nano-microtubular tetrapodal networks based electrodes as lightweight supercapacitor. *Nano Energy*, **2017**, 34, 570-577	17.1	55
242	Correspondence on Can Nanoimpacts Detect Single-Enzyme Activity? Theoretical Considerations and an Experimental Study of Catalase Impacts *ACS Catalysis*, **2017**, 7, 3591-3593	13.1	7
241	Intelligent ECM mimetic injectable scaffolds based on functional collagen building blocks for tissue engineering and biomedical applications. *RSC Advances*, **2017**, 7, 21068-21078	3.7	15
240	Amperometric L-arginine biosensor based on a novel recombinant arginine deiminase. *Mikrochimica Acta*, **2017**, 184, 2679-2686	5.8	15
239	Graphene-based Electrochemical Biosensors: New Trends and Applications **2017**, 427-448		2
238	Electrocatalytic biofuel cell based on highly efficient metal-polymer nano-architectured bioelectrodes. *Nano Energy*, **2017**, 39, 601-607	17.1	29
237	Neutravidin biosensor for direct capture of dual-functional biotin-molecular beacon-AuNP probe for sensitive voltammetric detection of microRNA. *Sensors and Actuators B: Chemical*, **2017**, 248, 77-84	8.5	16
236	On/off-switchable LSPR nano-immunoassay for troponin-T. *Scientific Reports*, **2017**, 7, 44027	4.9	29
235	Printable Heterostructured Bioelectronic Interfaces with Enhanced Electrode Reaction Kinetics by Intermicroparticle Network. *ACS Applied Materials & Interfaces*, **2017**, 9, 33368-33376	9.5	7
234	Enabling Mobile Health. *Procedia Technology*, **2017**, 27, 4-5		1
233	Electrochemical bacterial detection using poly(3-aminophenylboronic acid)-based imprinted polymer. *Biosensors and Bioelectronics*, **2017**, 93, 87-93	11.8	90
232	Tunable conjugated polymers for bacterial differentiation. *Sensors and Actuators B: Chemical*, **2016**, 222, 839-848	8.5	24

231	Creatinine and urea biosensors based on a novel ammonium ion-selective copper-polyaniline nano-composite. *Biosensors and Bioelectronics*, **2016**, 77, 505-11	11.8	70
230	Switchable bioelectronics. *Biosensors and Bioelectronics*, **2016**, 76, 251-65	11.8	27
229	Molecularly-imprinted polymer sensors: realising their potential. *Biosensors and Bioelectronics*, **2016**, 76, 131-44	11.8	330
228	Inflammation-sensitive in situ smart scaffolding for regenerative medicine. *Nanoscale*, **2016**, 8, 17213-17232	7.7	13
227	Direct detection of ammonium ion by means of oxygen electrocatalysis at a copper-polyaniline composite on a screen-printed electrode. *Mikrochimica Acta*, **2016**, 183, 1981-1987	5.8	11
226	Light-Triggered Switchable Graphene–Polymer Hybrid Bioelectronics. *Advanced Materials Interfaces*, **2016**, 3, 1500353	4.6	12
225	Molecularly Imprinted Polymers for Enzyme-like Catalysis: Principle, Design, and Applications **2016**, 1-17		5
224	Electrocatalytic Currents from Single Enzyme Molecules. *Journal of the American Chemical Society*, **2016**, 138, 2504-7	16.4	76
223	Diazonium-based impedimetric aptasensor for the rapid label-free detection of Salmonella typhimurium in food sample. *Biosensors and Bioelectronics*, **2016**, 80, 566-573	11.8	98
222	Water-processable polypyrrole microparticle modules for direct fabrication of hierarchical structured electrochemical interfaces. *Electrochimica Acta*, **2016**, 190, 495-503	6.7	20
221	Bioelectrocatalytic systems for health applications. *Biotechnology Advances*, **2016**, 34, 177-97	17.8	41
220	Lateral-flow technology: From visual to instrumental. *TrAC - Trends in Analytical Chemistry*, **2016**, 79, 297-305	14.6	156
219	Structurally responsive oligonucleotide-based single-probe lateral-flow test for detection of miRNA-21 mimics. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 1475-85	4.4	21
218	Doping Polypyrrole Films with 4-N-Pentylphenylboronic Acid to Enhance Affinity towards Bacteria and Dopamine. *PLoS ONE*, **2016**, 11, e0166548	3.7	9
217	Tuning the Surface Properties of Polypyrrole Films for Modulating Bacterial Adhesion. *Macromolecular Chemistry and Physics*, **2016**, 217, 1128-1135	2.6	11
216	Programmable bioelectronics in a stimuli-encoded 3D graphene interface. *Nanoscale*, **2016**, 8, 9976-81	7.7	18
215	A potential-gated molecularly imprinted smart electrode for nicotinamide analysis. *RSC Advances*, **2015**, 5, 35089-35096	3.7	10
214	Continuous sensing of hydrogen peroxide and glucose via quenching of the UV and visible luminescence of ZnO nanoparticles. *Mikrochimica Acta*, **2015**, 182, 1819-1826	5.8	69

213	Band edge engineering of TiO2@DNA nanohybrids and implications for capacitive energy storage devices. *Nanoscale*, **2015**, 7, 10438-48	7.7	33
212	Surface-Engineered Contact Lens as an Advanced Theranostic Platform for Modulation and Detection of Viral Infection. *ACS Applied Materials & Interfaces*, **2015**, 7, 25487-94	9.5	29
211	Switchable Bioelectrocatalysis Controlled by Dual Stimuli-Responsive Polymeric Interface. *ACS Applied Materials & Interfaces*, **2015**, 7, 23837-47	9.5	26
210	Cholesterol Oxidase Functionalised Polyaniline/Carbon Nanotube Hybrids for an Amperometric Biosensor. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 3373-7	1.3	8
209	Effect of Electrophoresis on the Efficiency of Graphite-Nano-TiO2 Modified Silica Sol-Gel Electrode. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 3405-10	1.3	4
208	pH-induced on/off-switchable graphene bioelectronics. *Journal of Materials Chemistry B*, **2015**, 3, 7434-7439	7.3	25
207	Zinc oxide nanostructure-modified textile and its application to biosensing, photocatalysis, and as antibacterial material. *Langmuir*, **2015**, 31, 10913-21	4	171
206	Controlled Zn-mediated grafting of thin layers of bipodal diazonium salt on gold and carbon substrates. *Chemistry - A European Journal*, **2015**, 21, 671-81	4.8	12
205	A novel third generation uric acid biosensor using uricase electro-activated with ferrocene on a Nafion coated glassy carbon electrode. *Bioelectrochemistry*, **2015**, 102, 1-9	5.6	55
204	On/off-switchable anti-neoplastic nanoarchitecture. *Scientific Reports*, **2015**, 5, 14571	4.9	11
203	Studies on an on/off-switchable immunosensor for troponin T. *Biosensors and Bioelectronics*, **2015**, 73, 100-107	11.8	20
202	Amperometric detection of Francisella tularensis genomic sequence on Zn-mediated diazonium modified substrates. *Electrochemistry Communications*, **2015**, 53, 6-10	5.1	7
201	Electrochemical evaluation of troponin T imprinted polymer receptor. *Biosensors and Bioelectronics*, **2014**, 59, 160-5	11.8	58
200	Ultrasensitive detection of human liver hepatocellular carcinoma cells using a label-free aptasensor. *Analytical Chemistry*, **2014**, 86, 4956-60	7.8	96
199	The potential legacy of cancer nanotechnology: cellular selection. *Trends in Biotechnology*, **2014**, 32, 21-31	15.1	27
198	Interference-Free Electrochemical Detection of Nanomolar Dopamine Using Doped Polypyrrole and Silver Nanoparticles. *Electroanalysis*, **2014**, 26, 2197-2206	3	31
197	Two-Dimensional Gold-Tungsten Disulphide Bio-Interface for High-Throughput Electrocatalytic Nano-Bioreactors. *Advanced Materials Interfaces*, **2014**, 1, 1400136	4.6	16
196	MRI-visual order-disorder micellar nanostructures for smart cancer theranostics. *Advanced Healthcare Materials*, **2014**, 3, 526-35	10.1	31

195	A self-switchable Ag nanoreactor exhibiting outstanding catalytic properties. *Chemical Communications*, **2014**, 50, 118-20	5.8	14
194	Cholesterol self-powered biosensor. *Analytical Chemistry*, **2014**, 86, 9540-7	7.8	116
193	Unsubstituted phenothiazine as a superior water-insoluble mediator for oxidases. *Biosensors and Bioelectronics*, **2014**, 53, 275-82	11.8	12
192	Self-Reporting Micellar Polymer Nanostructures for Optical Urea Biosensing. *Industrial & Engineering Chemistry Research*, **2014**, 53, 8509-8514	3.9	18
191	Optical biosensors based on universal pH indicator as a reporter for quantification of clinically relevant compounds. *Journal of the Chinese Advanced Materials Society*, **2014**, 2, 99-109		2
190	An electrochemical dopamine sensor based on the ZnO/CuO nanohybrid structures. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 6646-52	1.3	17
189	On/Off-switchable zipper-like bioelectronics on a graphene interface. *Advanced Materials*, **2014**, 26, 482-4	14.4	62
188	Electrochemical detection of DNA damage through visible-light-induced ROS using mesoporous TiO2 microbeads. *Electrochemistry Communications*, **2014**, 40, 84-87	5.1	16
187	An ultrasensitive molecularly-imprinted human cardiac troponin sensor. *Biosensors and Bioelectronics*, **2013**, 50, 492-8	11.8	98
186	Application of electrical impedance spectroscopy and amperometry in polyaniline modified ammonia gas sensor. *Synthetic Metals*, **2013**, 175, 127-133	3.6	25
185	Influence of poly(n-isopropylacrylamide)-CNT-polyaniline three-dimensional electrospun microfabric scaffolds on cell growth and viability. *Biopolymers*, **2013**, 99, 334-41	2.2	34
184	A high-performance glucose biosensor using covalently immobilised glucose oxidase on a poly(2,6-diaminopyridine)/carbon nanotube electrode. *Talanta*, **2013**, 116, 801-8	6.2	33
183	Biosensors: then and now. *Trends in Biotechnology*, **2013**, 31, 119-20	15.1	46
182	Electrochemical immunosensor with N-doped graphene-modified electrode for label-free detection of the breast cancer biomarker CA 15-3. *Biosensors and Bioelectronics*, **2013**, 43, 25-9	11.8	134
181	On/off-switchable electrochemical folic acid sensor based on molecularly imprinted polymer electrode. *Electrochemistry Communications*, **2013**, 36, 92-95	5.1	43
180	Biosensors: sense and sensibility. *Chemical Society Reviews*, **2013**, 42, 3184-96	58.5	992
179	Solid-Phase Synthesis of Molecularly Imprinted Polymer Nanoparticles with a Reusable Template - "Plastic Antibodies". *Advanced Functional Materials*, **2013**, 23, 2821-2827	15.6	245
178	Hierachically Structured Hollow Silica Spheres for High Efficiency Immobilization of Enzymes. *Advanced Functional Materials*, **2013**, 23, 2162-2167	15.6	87

177	Amperometric biosensor based on Prussian Blue nanoparticle-modified screen-printed electrode for estimation of glucose-6-phosphate. *Analytical Biochemistry*, **2013**, 439, 194-200	3.1	18
176	Template-directed hierarchical self-assembly of graphene based hybrid structure for electrochemical biosensing. *Biosensors and Bioelectronics*, **2013**, 49, 53-62	11.8	95
175	Biosensors 2012. *Biosensors and Bioelectronics*, **2013**, 40, 1-2	11.8	2
174	Hierarchical Structures: Hierachically Structured Hollow Silica Spheres for High Efficiency Immobilization of Enzymes (Adv. Funct. Mater. 17/2013). *Advanced Functional Materials*, **2013**, 23, 2102-2102	15.6	1
173	Detection of p53 gene point mutation using sequence-specific molecularly imprinted PoPD electrode. *Biosensors and Bioelectronics*, **2012**, 35, 224-229	11.8	37
172	Label-Free Electrochemical Detection of Tetracycline by an Aptamer Nano-Biosensor. *Analytical Letters*, **2012**, 45, 986-992	2.2	31
171	Cancer detection using nanoparticle-based sensors. *Chemical Society Reviews*, **2012**, 41, 2606-22	58.5	284
170	Implanted Sensors. *Springer Series on Chemical Sensors and Biosensors*, **2012**, 159-189	2	
169	Molecularly Imprinted Nanomaterial-Based Highly Sensitive and Selective Medical Devices **2012**, 339-391		2
168	An Electrochemical Immunoassay for HER2 Detection. *Electroanalysis*, **2012**, 24, 735-742	3	64
167	On/off-switchable catalysis by a smart enzyme-like imprinted polymer. *Journal of Catalysis*, **2011**, 278, 173-180	7.3	51
166	A Catalytic and Positively Thermosensitive Molecularly Imprinted Polymer. *Advanced Functional Materials*, **2011**, 21, 1194-1200	15.6	61
165	A Zipper-Like On/Off-Switchable Molecularly Imprinted Polymer. *Advanced Functional Materials*, **2011**, 21, 3344-3349	15.6	52
164	New Micro- and Nanotechnologies for Electrochemical Biosensor Development **2011**, 1-35		2
163	Selection of thrombin-binding aptamers by using computational approach for aptasensor application. *Biosensors and Bioelectronics*, **2011**, 26, 4411-6	11.8	38
162	Biosensors And Bioelectronics. *Advanced Materials Letters*, **2011**, 2, 82-83	2.4	6
161	One-Dimensional Polyaniline Nanotubes for Enhanced Chemical and Biochemical Sensing. *Lecture Notes in Electrical Engineering*, **2011**, 311-315	0.2	3
160	Electrochemical sensing systems for arsenate estimation by oxidation of L-cysteine. *Ecotoxicology and Environmental Safety*, **2010**, 73, 1495-501	7	27

159	Biosensors, Aptamers (Aptasensors) **2010**, 1		
158	The application of polythiol molecules for protein immobilisation on sensor surfaces. *Biosensors and Bioelectronics*, **2010**, 25, 1049-55	11.8	28
157	A novel enzyme entrapment in SU-8 microfabricated films for glucose micro-biosensors. *Biosensors and Bioelectronics*, **2010**, 26, 1582-7	11.8	24
156	Advances in the manufacture of MIP nanoparticles. *Trends in Biotechnology*, **2010**, 28, 629-37	15.1	274
155	Surface plasmon resonance imaging for affinity-based biosensors. *Biosensors and Bioelectronics*, **2010**, 25, 957-66	11.8	353
154	Quasi-monodimensional polyaniline nanostructures for enhanced molecularly imprinted polymer-based sensing. *Biosensors and Bioelectronics*, **2010**, 26, 497-503	11.8	67
153	A Label Free Electrochemical Nanobiosensor Study. *Analytical Letters*, **2009**, 42, 2905-2913	2.2	11
152	Molecularly imprinted sorbent assays: recent developments and applications. *Chemistry - A European Journal*, **2009**, 15, 8100-7	4.8	93
151	New reactive polymer for protein immobilisation on sensor surfaces. *Biosensors and Bioelectronics*, **2009**, 24, 1365-71	11.8	27
150	Development of a piezoelectric sensor for the detection of methamphetamine. *Analyst, The*, **2009**, 134, 1565-70	5	19
149	Too large to fit? Recent developments in macromolecular imprinting. *Trends in Biotechnology*, **2008**, 26, 218-24	15.1	192
148	Detection of pesticide by polymeric enzyme electrodes. *Ecotoxicology and Environmental Safety*, **2008**, 69, 556-61	7	27
147	Historical Perspective of Biosensor and Biochip Development **2008**,		3
146	Electrochemical Acetylcholine Chloride Biosensor Using an Acetylcholine Esterase Biomimic. *Analytical Letters*, **2008**, 41, 1387-1397	2.2	8
145	IMPRINTED POLYMERS AND THEIR APPLICATION IN OPTICAL SENSORS **2008**, 543-581		3
144	Editorial Introduction for the Special Issue of the Sensors Journal: In Vivo Sensors for Medicine. *IEEE Sensors Journal*, **2008**, 8, 3-5	4	1
143	Influence of continuous magnetic field on the separation of ephedrine enantiomers by molecularly imprinted polymers. *Biosensors and Bioelectronics*, **2008**, 23, 1189-94	11.8	18
142	Design of molecular imprinted polymers compatible with aqueous environment. *Analytica Chimica Acta*, **2008**, 607, 54-60	6.6	75

141	Molecularly imprinted polymers for the recognition of proteins: the state of the art. *Biosensors and Bioelectronics*, **2007**, 22, 1131-7	11.8	438
140	Surface imprinted beads for the recognition of human serum albumin. *Biosensors and Bioelectronics*, **2007**, 22, 2322-8	11.8	124
139	Piezoelectric sensors based on molecular imprinted polymers for detection of low molecular mass analytes. *FEBS Journal*, **2007**, 274, 5471-80	5.7	60
138	Patterned gallium surfaces as molecular mirrors. *Biosensors and Bioelectronics*, **2007**, 23, 290-4	11.8	7
137	Detection of Polychlorinated Biphenyls (PCBs) in Milk using a Disposable Immunomagnetic Electrochemical Sensor. *Analytical Letters*, **2007**, 40, 1371-1385	2.2	17
136	Nano-Porous Light-Emitting Silicon Chip as a Potential Biosensor Platform. *Analytical Letters*, **2007**, 40, 1549-1555	2.2	8
135	Chapter 15 Ultra-sensitive determination of pesticides via cholinesterase-based sensors for environmental analysis. *Comprehensive Analytical Chemistry*, **2007**, 49, 311-330	1.9	4
134	Procedure 24 Construction of an enzyme-containing microelectrode array and use for detection of low levels of pesticides. *Comprehensive Analytical Chemistry*, **2007**, e169-e176	1.9	1
133	Influence of initiator and different polymerisation conditions on performance of molecularly imprinted polymers. *Biosensors and Bioelectronics*, **2006**, 22, 381-7	11.8	84
132	Synthesis of biologically active molecules by imprinting polymerisation. *Biopolymers and Cell*, **2006**, 22, 63-67	0.3	7
131	Polymer Cookery: Influence of Polymerization Time and Different Initiation Conditions on Performance of Molecularly Imprinted Polymers. *Macromolecules*, **2005**, 38, 1410-1414	5.5	53
130	Evaluation of an FIA Operated Amperometric Bacterial Biosensor, Based on Pseudomonas Putida F1 for the Detection of Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). *Analytical Letters*, **2005**, 38, 1531-1547	2.2	13
129	Detection of TP53 mutation using a portable surface plasmon resonance DNA-based biosensor. *Biosensors and Bioelectronics*, **2005**, 20, 1939-45	11.8	69
128	Biosensors and bioelectronics 20 years on. *Biosensors and Bioelectronics*, **2005**, 20, 2387	11.8	7
127	A novel optical biosensor format for the detection of clinically relevant TP53 mutations. *Biosensors and Bioelectronics*, **2005**, 20, 2310-3	11.8	27
126	Adaptation of the molecular imprinted polymers towards polar environment. *Analytica Chimica Acta*, **2005**, 542, 47-51	6.6	43
125	Towards the development of multisensor for drugs of abuse based on molecular imprinted polymers. *Analytica Chimica Acta*, **2005**, 542, 111-117	6.6	51
124	Controlled release of the herbicide simazine from computationally designed molecularly imprinted polymers. *Journal of Controlled Release*, **2005**, 108, 132-9	11.7	62

123	Laser ice scaffolds modeling for tissue engineering. *Laser Physics Letters*, **2005**, 2, 465-467	1.5	4
122	Home blood glucose biosensors: a commercial perspective. *Biosensors and Bioelectronics*, **2005**, 20, 2435-2438	11.8	668
121	Electronic noses and disease diagnostics. *Nature Reviews Microbiology*, **2004**, 2, 161-6	22.2	306
120	Properties of poly-aminophenylboronate coatings in capillary electrophoresis for the selective separation of diastereoisomers and glycoproteins. *Journal of Chromatography A*, **2004**, 1023, 297-303	4.5	27
119	Carbon and gold electrodes as electrochemical transducers for DNA hybridisation sensors. *Biosensors and Bioelectronics*, **2004**, 19, 515-30	11.8	341
118	Biotin-specific synthetic receptors prepared using molecular imprinting. *Analytica Chimica Acta*, **2004**, 504, 179-183	6.6	52
117	Custom synthesis of molecular imprinted polymers for biotechnological application. *Analytica Chimica Acta*, **2004**, 504, 123-130	6.6	63
116	Surface plasmon resonance sensor for domoic acid based on grafted imprinted polymer. *Biosensors and Bioelectronics*, **2004**, 20, 145-52	11.8	152
115	Detection of Mycobacterium tuberculosis (TB) in vitro and in situ using an electronic nose in combination with a neural network system. *Biosensors and Bioelectronics*, **2004**, 20, 538-44	11.8	107
114	Polymer Cookery. 2. Influence of Polymerization Pressure and Polymer Swelling on the Performance of Molecularly Imprinted Polymers. *Macromolecules*, **2004**, 37, 5018-5022	5.5	44
113	Photochemical polymerization of thiophene derivatives in aqueous solution. *Chemical Communications*, **2004**, 2222-3	5.8	24
112	Towards the development of an integrated capillary electrophoresis optical biosensor. *Electrophoresis*, **2003**, 24, 3356-63	3.6	12
111	Surface functionalization of porous polypropylene membranes with polyaniline for protein immobilization. *Biotechnology and Bioengineering*, **2003**, 82, 86-92	4.9	52
110	MIP-based solid phase extraction cartridges combined with MIP-based sensors for the detection of microcystin-LR. *Biosensors and Bioelectronics*, **2003**, 18, 119-27	11.8	153
109	In Situ Formation of Porous Molecularly Imprinted Polymer Membranes. *Macromolecules*, **2003**, 36, 7352-7357	5.5	64
108	A gas-phase biosensor for environmental monitoring of formic acid: laboratory and field validation. *Journal of Environmental Monitoring*, **2003**, 5, 477-82		8
107	New Materials Based on Imprinted Polymers and their Application in Optical Sensors **2002**, 397-425		9
106	Biosensors for marine pollution research, monitoring and control. *Marine Pollution Bulletin*, **2002**, 45, 24-34	6.7	57

105	Repartition effect of aromatic polyaniline coatings on the separation of bioactive peptides in capillary electrophoresis. *Electrophoresis*, **2002**, 23, 203-8	3.6	18
104	Development of an integrated capillary electrophoresis/sensor for L-ascorbic acid detection. *Electrophoresis*, **2002**, 23, 209-14	3.6	18
103	Use of an electronic nose system for diagnoses of urinary tract infections. *Biosensors and Bioelectronics*, **2002**, 17, 893-9	11.8	110
102	Improved procedures for immobilisation of oligonucleotides on gold-coated piezoelectric quartz crystals. *Biosensors and Bioelectronics*, **2002**, 17, 929-36	11.8	77
101	Recognition of anaerobic bacterial isolates in vitro using electronic nose technology. *Letters in Applied Microbiology*, **2002**, 35, 366-9	2.9	54
100	Immunosensor for okadaic acid using quartz crystal microbalance. *Analytica Chimica Acta*, **2002**, 471, 33-40	6.6	58
99	Polymer Cookery: Influence of Polymerization Conditions on the Performance of Molecularly Imprinted Polymers. *Macromolecules*, **2002**, 35, 7499-7504	5.5	96
98	Application of natural receptors in sensors and assays. *Analytical Chemistry*, **2002**, 74, 3942-51	7.8	99
97	Rational design of a polymer specific for microcystin-LR using a computational approach. *Analytical Chemistry*, **2002**, 74, 1288-93	7.8	251
96	"Bite-and-Switch" approach using computationally designed molecularly imprinted polymers for sensing of creatinine. *Biosensors and Bioelectronics*, **2001**, 16, 631-7	11.8	150
95	Substitution of antibodies and receptors with molecularly imprinted polymers in enzyme-linked and fluorescent assays. *Biosensors and Bioelectronics*, **2001**, 16, 701-7	11.8	164
94	A new reactive polymer suitable for covalent immobilisation and monitoring of primary amines. *Polymer*, **2001**, 42, 3603-3608	3.9	18
93	Molecular imprinting: at the edge of the third millennium. *Trends in Biotechnology*, **2001**, 19, 9-12	15.1	164
92	Application of molecularly imprinted polymers in sensors for the environment and biotechnology. *Sensor Review*, **2001**, 21, 292-296	1.4	28
91	Surface-grafted molecularly imprinted polymers for protein recognition. *Analytical Chemistry*, **2001**, 73, 5281-6	7.8	321
90	Multivariate evaluation of factors influencing the performance of a formic acid biosensor for use in air monitoring. *Analyst, The*, **2001**, 126, 2008-14	5	6
89	Recognition of ephedrine enantiomers by molecularly imprinted polymers designed using a computational approach. *Analyst, The*, **2001**, 126, 1826-1830	5	246
88	Bite-and-Switch Approach to Creatine Recognition by Use of Molecularly Imprinted Polymers. *Advanced Materials*, **2000**, 12, 722-724	24	34

87	Capillary electrophoresis coupled to biosensor detection. *Journal of Chromatography A*, **2000**, 892, 143-52	4.5	32
86	Amperometric biosensor for formic acid in air. *Sensors and Actuators B: Chemical*, **2000**, 70, 182-187	8.5	23
85	Coupling of a DNA piezoelectric biosensor and polymerase chain reaction to detect apolipoprotein E polymorphisms. *Biosensors and Bioelectronics*, **2000**, 15, 363-70	11.8	54
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