

# Anthony P F Turner

## List of Publications by Citations

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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	Ferrocene-mediated enzyme electrode for amperometric determination of glucose. <i>Analytical Chemistry</i> , <b>1984</b> , 56, 667-71	7.8	1363
265	Glucose oxidase: an ideal enzyme. <i>Biosensors and Bioelectronics</i> , <b>1992</b> , 7, 165-185	11.8	1078
264	Biosensors: sense and sensibility. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 3184-96	58.5	992
263	Home blood glucose biosensors: a commercial perspective. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 2435-538	11.8	668
262	Molecularly imprinted polymers for the recognition of proteins: the state of the art. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1131-7	11.8	438
261	Tech.Sight. Biochemistry. Biosensors--sense and sensitivity. <i>Science</i> , <b>2000</b> , 290, 1315-7	33.3	406
260	Surface plasmon resonance imaging for affinity-based biosensors. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 957-66	11.8	353
259	Carbon and gold electrodes as electrochemical transducers for DNA hybridisation sensors. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 19, 515-30	11.8	341
258	Molecularly-imprinted polymer sensors: realising their potential. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 76, 131-44	11.8	330
257	Surface-grafted molecularly imprinted polymers for protein recognition. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 5281-6	7.8	321
256	Electronic noses and disease diagnostics. <i>Nature Reviews Microbiology</i> , <b>2004</b> , 2, 161-6	22.2	306
255	Cancer detection using nanoparticle-based sensors. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2606-22	58.5	284
254	Advances in the manufacture of MIP nanoparticles. <i>Trends in Biotechnology</i> , <b>2010</b> , 28, 629-37	15.1	274
253	Rational design of a polymer specific for microcystin-LR using a computational approach. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 1288-93	7.8	251
252	Recognition of ephedrine enantiomers by molecularly imprinted polymers designed using a computational approach. <i>Analyst, The</i> , <b>2001</b> , 126, 1826-1830	5	246
251	Solid-Phase Synthesis of Molecularly Imprinted Polymer Nanoparticles with a Reusable Template - "Plastic Antibodies". <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2821-2827	15.6	245
250	Imprinted polymer-based sensor system for herbicides using differential-pulse voltammetry on screen-printed electrodes. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 3698-702	7.8	198

249	Too large to fit? Recent developments in macromolecular imprinting. <i>Trends in Biotechnology</i> , <b>2008</b> , 26, 218-24	15.1	192
248	Zinc oxide nanostructure-modified textile and its application to biosensing, photocatalysis, and as antibacterial material. <i>Langmuir</i> , <b>2015</b> , 31, 10913-21	4	171
247	Determination of anticholinesterase pesticides in real samples using a disposable biosensor. <i>Analytica Chimica Acta</i> , <b>1997</b> , 337, 315-321	6.6	168
246	Substitution of antibodies and receptors with molecularly imprinted polymers in enzyme-linked and fluorescent assays. <i>Biosensors and Bioelectronics</i> , <b>2001</b> , 16, 701-7	11.8	164
245	Molecular imprinting: at the edge of the third millennium. <i>Trends in Biotechnology</i> , <b>2001</b> , 19, 9-12	15.1	164
244	Lateral-flow technology: From visual to instrumental. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 79, 297-305	14.6	156
243	MIP-based solid phase extraction cartridges combined with MIP-based sensors for the detection of microcystin-LR. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 18, 119-27	11.8	153
242	Surface plasmon resonance sensor for domoic acid based on grafted imprinted polymer. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 145-52	11.8	152
241	"Bite-and-Switch" approach using computationally designed molecularly imprinted polymers for sensing of creatinine. <i>Biosensors and Bioelectronics</i> , <b>2001</b> , 16, 631-7	11.8	150
240	Chemical grafting of molecularly imprinted homopolymers to the surface of microplates. Application of artificial adrenergic receptor in enzyme-linked assay for beta-agonists determination. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 4381-5	7.8	140
239	A repertoire of biomedical applications of noble metal nanoparticles. <i>Chemical Communications</i> , <b>2019</b> , 55, 6964-6996	5.8	139
238	Structuring Au nanoparticles on two-dimensional MoS nanosheets for electrochemical glucose biosensors. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 545-550	11.8	134
237	Electrochemical immunosensor with N-doped graphene-modified electrode for label-free detection of the breast cancer biomarker CA 15-3. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 43, 25-9	11.8	134
236	Microbial detection. <i>Biosensors and Bioelectronics</i> , <b>1996</b> , 11, 455-77	11.8	131
235	Ink-jet printing for the fabrication of amperometric glucose biosensors. <i>Analytica Chimica Acta</i> , <b>1992</b> , 262, 13-17	6.6	131
234	Surface imprinted beads for the recognition of human serum albumin. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2322-8	11.8	124
233	In Vitro Diagnostics in Diabetes: Meeting the Challenge. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 1596-1601	5.5	119
232	The determination of p-cresol in chloroform with an enzyme electrode used in the organic phase. <i>Analytica Chimica Acta</i> , <b>1988</b> , 213, 113-119	6.6	118

231	Cholesterol self-powered biosensor. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9540-7	7.8	116
230	Organic phase enzyme electrodes. <i>Analytica Chimica Acta</i> , <b>1991</b> , 249, 1-15	6.6	111
229	Use of an electronic nose system for diagnoses of urinary tract infections. <i>Biosensors and Bioelectronics</i> , <b>2002</b> , 17, 893-9	11.8	110
228	Immunomagnetic separation with mediated flow injection analysis amperometric detection of viable <i>Escherichia coli</i> O157. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 2380-6	7.8	108
227	Detection of <i>Mycobacterium tuberculosis</i> (TB) in vitro and in situ using an electronic nose in combination with a neural network system. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 538-44	11.8	107
226	An assay for ascorbic acid based on polyaniline-coated microplates. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 4296-300	7.8	104
225	Application of natural receptors in sensors and assays. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 3942-51	7.8	99
224	Diazonium-based impedimetric aptasensor for the rapid label-free detection of <i>Salmonella typhimurium</i> in food sample. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 566-573	11.8	98
223	An ultrasensitive molecularly-imprinted human cardiac troponin sensor. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 50, 492-8	11.8	98
222	Screen-printed amperometric biosensors for the rapid measurement of L- and D-amino acids. <i>Analyst, The</i> , <b>1999</b> , 124, 865-70	5	97
221	Ultrasensitive detection of human liver hepatocellular carcinoma cells using a label-free aptasensor. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4956-60	7.8	96
220	Polymer Cookery: Influence of Polymerization Conditions on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , <b>2002</b> , 35, 7499-7504	5.5	96
219	Template-directed hierarchical self-assembly of graphene based hybrid structure for electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 49, 53-62	11.8	95
218	Molecularly imprinted sorbent assays: recent developments and applications. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 8100-7	4.8	93
217	Biosensors for environmental monitoring. <i>Biotechnology Advances</i> , <b>1995</b> , 13, 1-12	17.8	91
216	Catalytic Materials, Membranes, and Fabrication Technologies Suitable for the Construction of Amperometric Biosensors. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 4594-4599	7.8	91
215	Electrochemical bacterial detection using poly(3-aminophenylboronic acid)-based imprinted polymer. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 93, 87-93	11.8	90
214	Disposable ruthenized screen-printed biosensors for pesticides monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 24, 85-89	8.5	89

213	Recent advances in amperometric glucose biosensors for in vivo monitoring. <i>Physiological Measurement</i> , <b>1995</b> , 16, 1-15	2.9	88
212	Development of an On-line Glucose Sensor for Fermentation Monitoring. <i>Biosensors</i> , <b>1987</b> , 3, 45-56		88
211	Hierachically Structured Hollow Silica Spheres for High Efficiency Immobilization of Enzymes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2162-2167	15.6	87
210	Mediated amperometric enzyme electrode incorporating peroxidase for the determination of hydrogen peroxide in organic solvents. <i>Analytica Chimica Acta</i> , <b>1991</b> , 245, 133-138	6.6	86
209	Mediated amperometric biosensors for d-galactose, glycolate and l-amino acids based on a ferrocene-modified carbon paste electrode. <i>Analytica Chimica Acta</i> , <b>1986</b> , 182, 103-112	6.6	86
208	Influence of initiator and different polymerisation conditions on performance of molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 22, 381-7	11.8	84
207	A DNA piezoelectric biosensor assay coupled with a polymerase chain reaction for bacterial toxicity determination in environmental samples. <i>Analytica Chimica Acta</i> , <b>2000</b> , 418, 1-9	6.6	84
206	Improved procedures for immobilisation of oligonucleotides on gold-coated piezoelectric quartz crystals. <i>Biosensors and Bioelectronics</i> , <b>2002</b> , 17, 929-36	11.8	77
205	Electrocatalytic Currents from Single Enzyme Molecules. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2504-7	16.4	76
204	Design of molecular imprinted polymers compatible with aqueous environment. <i>Analytica Chimica Acta</i> , <b>2008</b> , 607, 54-60	6.6	75
203	An intelligent rapid odour recognition model in discrimination of <i>Helicobacter pylori</i> and other gastroesophageal isolates in vitro. <i>Biosensors and Bioelectronics</i> , <b>2000</b> , 15, 333-42	11.8	75
202	Novel hexacyanoferrate(III) modified graphite disc electrodes and their application in enzyme electrodes Part I. <i>Biosensors and Bioelectronics</i> , <b>1997</b> , 12, 1-9	11.8	73
201	Creatinine and urea biosensors based on a novel ammonium ion-selective copper-polyaniline nano-composite. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 505-11	11.8	70
200	Current trends in biosensor research and development. <i>Sensors and Actuators</i> , <b>1989</b> , 17, 433-450		70
199	Continuous sensing of hydrogen peroxide and glucose via quenching of the UV and visible luminescence of ZnO nanoparticles. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 1819-1826	5.8	69
198	Detection of TP53 mutation using a portable surface plasmon resonance DNA-based biosensor. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1939-45	11.8	69
197	Amperometric tetrathiafulvalene-mediated lactate electrode using lactate oxidase absorbed on carbon foil. <i>Analytica Chimica Acta</i> , <b>1990</b> , 234, 459-463	6.6	68
196	Quasi-monodimensional polyaniline nanostructures for enhanced molecularly imprinted polymer-based sensing. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 497-503	11.8	67

195	Bioelectrochemical fuel cell and sensor based on a quinoprotein, alcohol dehydrogenase. <i>Enzyme and Microbial Technology</i> , <b>1983</b> , 5, 383-388	3.8	65
194	An Electrochemical Immunoassay for HER2 Detection. <i>Electroanalysis</i> , <b>2012</b> , 24, 735-742	3	64
193	In Situ Formation of Porous Molecularly Imprinted Polymer Membranes. <i>Macromolecules</i> , <b>2003</b> , 36, 7352-7357	5.7	64
192	Developments in bioassay methods for toxicity testing in water treatment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>1996</b> , 15, 178-188	14.6	64
191	Custom synthesis of molecular imprinted polymers for biotechnological application. <i>Analytica Chimica Acta</i> , <b>2004</b> , 504, 123-130	6.6	63
190	Polyferrocenes as mediators in amperometric biosensors for glucose. <i>Analytica Chimica Acta</i> , <b>1993</b> , 281, 453-459	6.6	63
189	On/Off-switchable zipper-like bioelectronics on a graphene interface. <i>Advanced Materials</i> , <b>2014</b> , 26, 482-491	6.1	62
188	Controlled release of the herbicide simazine from computationally designed molecularly imprinted polymers. <i>Journal of Controlled Release</i> , <b>2005</b> , 108, 132-9	11.7	62
187	A Catalytic and Positively Thermosensitive Molecularly Imprinted Polymer. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1194-1200	15.6	61
186	Piezoelectric sensors based on molecular imprinted polymers for detection of low molecular mass analytes. <i>FEBS Journal</i> , <b>2007</b> , 274, 5471-80	5.7	60
185	Electrochemical evaluation of troponin T imprinted polymer receptor. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 59, 160-5	11.8	58
184	Immunosensor for okadaic acid using quartz crystal microbalance. <i>Analytica Chimica Acta</i> , <b>2002</b> , 471, 33-40	6.6	58
183	On the use of screen- and ink-jet printing to produce amperometric enzyme electrodes for lactate. <i>Biosensors and Bioelectronics</i> , <b>1996</b> , 11, 263-270	11.8	58
182	Biosensors for marine pollution research, monitoring and control. <i>Marine Pollution Bulletin</i> , <b>2002</b> , 45, 24-34	6.7	57
181	Hierarchical Aerographite nano-microtubular tetrapodal networks based electrodes as lightweight supercapacitor. <i>Nano Energy</i> , <b>2017</b> , 34, 570-577	17.1	55
180	A novel third generation uric acid biosensor using uricase electro-activated with ferrocene on a Nafion coated glassy carbon electrode. <i>Bioelectrochemistry</i> , <b>2015</b> , 102, 1-9	5.6	55
179	Recognition of anaerobic bacterial isolates in vitro using electronic nose technology. <i>Letters in Applied Microbiology</i> , <b>2002</b> , 35, 366-9	2.9	54
178	Coupling of a DNA piezoelectric biosensor and polymerase chain reaction to detect apolipoprotein E polymorphisms. <i>Biosensors and Bioelectronics</i> , <b>2000</b> , 15, 363-70	11.8	54

177	Polymer Cookery: Influence of Polymerization Time and Different Initiation Conditions on Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , <b>2005</b> , 38, 1410-1414	5.5	53
176	A Zipper-Like On/Off-Switchable Molecularly Imprinted Polymer. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3344-3349	15.6	52
175	Biotin-specific synthetic receptors prepared using molecular imprinting. <i>Analytica Chimica Acta</i> , <b>2004</b> , 504, 179-183	6.6	52
174	Surface functionalization of porous polypropylene membranes with polyaniline for protein immobilization. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 82, 86-92	4.9	52
173	On/off-switchable catalysis by a smart enzyme-like imprinted polymer. <i>Journal of Catalysis</i> , <b>2011</b> , 278, 173-180	7.3	51
172	Towards the development of multisensor for drugs of abuse based on molecular imprinted polymers. <i>Analytica Chimica Acta</i> , <b>2005</b> , 542, 111-117	6.6	51
171	Carbon monoxide :acceptor oxidoreductase from <i>Pseudomonas thermocarboxydovorans</i> strain C2 and its use in a carbon monoxide sensor. <i>Analytica Chimica Acta</i> , <b>1984</b> , 163, 161-174	6.6	51
170	Direct monitoring of formaldehyde vapour and detection of ethanol vapour using dehydrogenase-based biosensors. <i>Analyst, The</i> , <b>1996</b> , 121, 1769	5	49
169	Solvent-resistant carbon electrodes screen printed onto plastic for use in biosensors. <i>Analytica Chimica Acta</i> , <b>1997</b> , 347, 9-18	6.6	47
168	Biosensors: then and now. <i>Trends in Biotechnology</i> , <b>2013</b> , 31, 119-20	15.1	46
167	Characterisation of Screen-Printed Electrodes for Detection of Heavy Metals. <i>Mikrochimica Acta</i> , <b>1999</b> , 131, 65-73	5.8	46
166	Lactate, glutamate and glutamine biosensors based on rhodinised carbon electrodes. <i>Analytica Chimica Acta</i> , <b>1994</b> , 295, 243-251	6.6	46
165	Immunosensor for 2,4-dichlorophenoxyacetic acid in aqueous/organic solvent soil extracts. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 5047-53	7.8	45
164	Organic phase enzyme electrodes for the determination of hydrogen peroxide and phenol. <i>Sensors and Actuators B: Chemical</i> , <b>1992</b> , 7, 408-411	8.5	45
163	Development of an electrochemical method for the rapid determination of microbial concentration and evidence for the reaction mechanism. <i>Analytica Chimica Acta</i> , <b>1988</b> , 215, 61-69	6.6	45
162	Polymer Cookery. 2. Influence of Polymerization Pressure and Polymer Swelling on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , <b>2004</b> , 37, 5018-5022	5.5	44
161	Development of a mass-producible glucose biosensor and flow-injection analysis system suitable for on-line monitoring during fermentations. <i>Analytica Chimica Acta</i> , <b>1996</b> , 321, 165-172	6.6	44
160	On/off-switchable electrochemical folic acid sensor based on molecularly imprinted polymer electrode. <i>Electrochemistry Communications</i> , <b>2013</b> , 36, 92-95	5.1	43

159	Adaptation of the molecular imprinted polymers towards polar environment. <i>Analytica Chimica Acta</i> , <b>2005</b> , 542, 47-51	6.6	43
158	Amperometric enzyme electrode for the determination of phenols in chloroform. <i>Enzyme and Microbial Technology</i> , <b>1988</b> , 10, 543-546	3.8	43
157	Processable enzyme-hybrid conductive polymer composites for electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 100, 374-381	11.8	41
156	Bioelectrocatalytic systems for health applications. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 177-97	17.8	41
155	Gas-Phase Microbiosensor for Monitoring Phenol Vapor at ppb Levels. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 3922-3927	7.8	41
154	Investigations of platinized and rhodinized carbon electrodes for use in glucose sensors. <i>Electroanalysis</i> , <b>1994</b> , 6, 625-632	3	41
153	Biosensors for process control. <i>Enzyme and Microbial Technology</i> , <b>1991</b> , 13, 946-55	3.8	41
152	Soft and flexible material-based affinity sensors. <i>Biotechnology Advances</i> , <b>2020</b> , 39, 107398	17.8	41
151	Applications of electron transfer between biological systems and electrodes. <i>Biochemical Society Transactions</i> , <b>1983</b> , 11, 445-8	5.1	39
150	Selection of thrombin-binding aptamers by using computational approach for aptasensor application. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4411-6	11.8	38
149	Amperometric enzyme-amplified immunoassays. <i>Journal of Immunological Methods</i> , <b>1988</b> , 112, 153-61	2.5	38
148	Detection of p53 gene point mutation using sequence-specific molecularly imprinted PoPD electrode. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 224-229	11.8	37
147	Integrated Printed Microfluidic Biosensors. <i>Trends in Biotechnology</i> , <b>2019</b> , 37, 1104-1120	15.1	36
146	Ruthenized screen-printed choline oxidase-based biosensors for measurement of anticholinesterase activity. <i>Mikrochimica Acta</i> , <b>1995</b> , 121, 155-166	5.8	36
145	TTF-Modified Biosensors for Hydrogen Peroxide. <i>Analytical Letters</i> , <b>1994</b> , 27, 1443-1452	2.2	36
144	An Enzyme Electrode for Glucose Consisting of Glucose Oxidase Immobilised at a Benzoquinone-Modified Carbon Electrode. <i>Analytical Letters</i> , <b>1991</b> , 24, 15-24	2.2	36
143	Influence of poly(n-isopropylacrylamide)-CNT-polyaniline three-dimensional electrospun microfabric scaffolds on cell growth and viability. <i>Biopolymers</i> , <b>2013</b> , 99, 334-41	2.2	34
142	Bite-and-Switch Approach to Creatine Recognition by Use of Molecularly Imprinted Polymers. <i>Advanced Materials</i> , <b>2000</b> , 12, 722-724	24	34



141	Band edge engineering of TiO <sub>2</sub> @DNA nanohybrids and implications for capacitive energy storage devices. <i>Nanoscale</i> , <b>2015</b> , 7, 10438-48	7.7	33
140	A high-performance glucose biosensor using covalently immobilised glucose oxidase on a poly(2,6-diaminopyridine)/carbon nanotube electrode. <i>Talanta</i> , <b>2013</b> , 116, 801-8	6.2	33
139	The synthesis and screening of a combinatorial peptide library for affinity ligands for glycosylated haemoglobin. <i>Biosensors and Bioelectronics</i> , <b>1998</b> , 13, 779-85	11.8	33
138	Generic Neutravidin Biosensor for Simultaneous Multiplex Detection of MicroRNAs via Electrochemically Encoded Responsive Nanolabels. <i>ACS Sensors</i> , <b>2019</b> , 4, 326-334	9.2	32
137	Capillary electrophoresis coupled to biosensor detection. <i>Journal of Chromatography A</i> , <b>2000</b> , 892, 143-53	5.5	32
136	Interference-Free Electrochemical Detection of Nanomolar Dopamine Using Doped Polypyrrole and Silver Nanoparticles. <i>Electroanalysis</i> , <b>2014</b> , 26, 2197-2206	3	31
135	MRI-visual order-disorder micellar nanostructures for smart cancer theranostics. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 526-35	10.1	31
134	Label-Free Electrochemical Detection of Tetracycline by an Aptamer Nano-Biosensor. <i>Analytical Letters</i> , <b>2012</b> , 45, 986-992	2.2	31
133	Electrocatalytic biofuel cell based on highly efficient metal-polymer nano-architected bioelectrodes. <i>Nano Energy</i> , <b>2017</b> , 39, 601-607	17.1	29
132	On/off-switchable LSPR nano-immunoassay for troponin-T. <i>Scientific Reports</i> , <b>2017</b> , 7, 44027	4.9	29
131	Surface-Engineered Contact Lens as an Advanced Theranostic Platform for Modulation and Detection of Viral Infection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25487-94	9.5	29
130	The application of polythiol molecules for protein immobilisation on sensor surfaces. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1049-55	11.8	28
129	Application of molecularly imprinted polymers in sensors for the environment and biotechnology. <i>Sensor Review</i> , <b>2001</b> , 21, 292-296	1.4	28
128	Switchable bioelectronics. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 76, 251-65	11.8	27
127	Type I Collagen-Derived Injectable Conductive Hydrogel Scaffolds as Glucose Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16244-16249	9.5	27
126	The potential legacy of cancer nanotechnology: cellular selection. <i>Trends in Biotechnology</i> , <b>2014</b> , 32, 21-31	15.1	27
125	Electrochemical sensing systems for arsenate estimation by oxidation of L-cysteine. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1495-501	7	27
124	New reactive polymer for protein immobilisation on sensor surfaces. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1365-71	11.8	27

123	Detection of pesticide by polymeric enzyme electrodes. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 69, 556-61	7	27
122	Properties of poly-aminophenylboronate coatings in capillary electrophoresis for the selective separation of diastereoisomers and glycoproteins. <i>Journal of Chromatography A</i> , <b>2004</b> , 1023, 297-303	4.5	27
121	A novel optical biosensor format for the detection of clinically relevant TP53 mutations. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 2310-3	11.8	27
120	Switchable Bioelectrocatalysis Controlled by Dual Stimuli-Responsive Polymeric Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23837-47	9.5	26
119	Monitoring of the glucose concentration during microbial fermentation using a novel mass-producible biosensor suitable for on-line use. <i>Enzyme and Microbial Technology</i> , <b>1997</b> , 20, 590-596	3.8	26
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