

Anthony P F Turner

List of Publications by Year in descending order

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259
papers

21,916
citations

10351

72
h-index

10127

140
g-index

283
all docs

283
docs citations

283
times ranked

18591
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferrocene-mediated enzyme electrode for amperometric determination of glucose. <i>Analytical Chemistry</i> , 1984, 56, 667-671.	3.2	1,602
2	Glucose oxidase: an ideal enzyme. <i>Biosensors and Bioelectronics</i> , 1992, 7, 165-185.	5.3	1,230
3	Biosensors: sense and sensibility. <i>Chemical Society Reviews</i> , 2013, 42, 3184.	18.7	1,227
4	Home blood glucose biosensors: a commercial perspective. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2435-2453.	5.3	771
5	Molecularly imprinted polymers for the recognition of proteins: The state of the art. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1131-1137.	5.3	482
6	BIOCHEMISTRY: Biosensors-Sense and Sensitivity. <i>Science</i> , 2000, 290, 1315-1317.	6.0	465
7	Surface plasmon resonance imaging for affinity-based biosensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 957-966.	5.3	408
8	Molecularly-imprinted polymer sensors: realising their potential. <i>Biosensors and Bioelectronics</i> , 2016, 76, 131-144.	5.3	408
9	Carbon and gold electrodes as electrochemical transducers for DNA hybridisation sensors. <i>Biosensors and Bioelectronics</i> , 2004, 19, 515-530.	5.3	368
10	Electronic noses and disease diagnostics. <i>Nature Reviews Microbiology</i> , 2004, 2, 161-166.	13.6	363
11	Surface-Grafted Molecularly Imprinted Polymers for Protein Recognition. <i>Analytical Chemistry</i> , 2001, 73, 5281-5286.	3.2	340
12	Cancer detection using nanoparticle-based sensors. <i>Chemical Society Reviews</i> , 2012, 41, 2606-2622.	18.7	320
13	Solid-Phase Synthesis of Molecularly Imprinted Polymer Nanoparticles with a Reusable Template-Plastic Antibodies. <i>Advanced Functional Materials</i> , 2013, 23, 2821-2827.	7.8	313
14	Advances in the manufacture of MIP nanoparticles. <i>Trends in Biotechnology</i> , 2010, 28, 629-637.	4.9	309
15	Rational Design of a Polymer Specific for Microcystin-LR Using a Computational Approach. <i>Analytical Chemistry</i> , 2002, 74, 1288-1293.	3.2	284
16	Recognition of ephedrine enantiomers by molecularly imprinted polymers designed using a computational approach. <i>Analyst</i> , 2001, 126, 1826-1830.	1.7	272
17	A repertoire of biomedical applications of noble metal nanoparticles. <i>Chemical Communications</i> , 2019, 55, 6964-6996.	2.2	263
18	Imprinted Polymer-Based Sensor System for Herbicides Using Differential-Pulse Voltammetry on Screen-Printed Electrodes. <i>Analytical Chemistry</i> , 1999, 71, 3698-3702.	3.2	231

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19	Zinc Oxide Nanostructure-Modified Textile and Its Application to Biosensing, Photocatalysis, and as Antibacterial Material. <i>Langmuir</i> , 2015, 31, 10913-10921.	1.6	229
20	Too large to fit? Recent developments in macromolecular imprinting. <i>Trends in Biotechnology</i> , 2008, 26, 218-224.	4.9	205
21	Lateral-flow technology: From visual to instrumental. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 297-305.	5.8	202
22	Determination of anticholinesterase pesticides in real samples using a disposable biosensor. <i>Analytica Chimica Acta</i> , 1997, 337, 315-321.	2.6	190
23	Molecular imprinting: at the edge of the third millennium. <i>Trends in Biotechnology</i> , 2001, 19, 9-12.	4.9	185
24	Structuring Au nanoparticles on two-dimensional MoS ₂ nanosheets for electrochemical glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2017, 89, 545-550.	5.3	180
25	Substitution of antibodies and receptors with molecularly imprinted polymers in enzyme-linked and fluorescent assays. <i>Biosensors and Bioelectronics</i> , 2001, 16, 701-707.	5.3	175
26	MIP-based solid phase extraction cartridges combined with MIP-based sensors for the detection of microcystin-LR. <i>Biosensors and Bioelectronics</i> , 2003, 18, 119-127.	5.3	172
27	“Bite-and-Switch” approach using computationally designed molecularly imprinted polymers for sensing of creatinine. <i>Editors Selection. Biosensors and Bioelectronics</i> , 2001, 16, 631-637.	5.3	168
28	Surface plasmon resonance sensor for domoic acid based on grafted imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2004, 20, 145-152.	5.3	164
29	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> , 2013, 43, 25-29.	5.3	157
30	Chemical Grafting of Molecularly Imprinted Homopolymers to the Surface of Microplates. Application of Artificial Adrenergic Receptor in Enzyme-Linked Assay for β^2 -Agonists Determination. <i>Analytical Chemistry</i> , 2000, 72, 4381-4385.	3.2	153
31	Ink-jet printing for the fabrication of amperometric glucose biosensors. <i>Analytica Chimica Acta</i> , 1992, 262, 13-17.	2.6	149
32	Cholesterol Self-Powered Biosensor. <i>Analytical Chemistry</i> , 2014, 86, 9540-9547.	3.2	149
33	Microbial detection. <i>Biosensors and Bioelectronics</i> , 1996, 11, 455-477.	5.3	148
34	The determination of p-cresol in chloroform with an enzyme electrode used in the organic phase. <i>Analytica Chimica Acta</i> , 1988, 213, 113-119.	2.6	143
35	In Vitro Diagnostics in Diabetes: Meeting the Challenge. <i>Clinical Chemistry</i> , 1999, 45, 1596-1601.	1.5	141
36	Use of an electronic nose system for diagnoses of urinary tract infections. <i>Biosensors and Bioelectronics</i> , 2002, 17, 893-899.	5.3	135

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37	Organic phase enzyme electrodes. <i>Analytica Chimica Acta</i> , 1991, 249, 1-15.	2.6	134
38	Diazonium-based impedimetric aptasensor for the rapid label-free detection of Salmonella typhimurium in food sample. <i>Biosensors and Bioelectronics</i> , 2016, 80, 566-573.	5.3	129
39	Surface imprinted beads for the recognition of human serum albumin. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2322-2328.	5.3	128
40	Immunomagnetic Separation with Mediated Flow Injection Analysis Amperometric Detection of Viable <i>Escherichia coli</i> O157. <i>Analytical Chemistry</i> , 1998, 70, 2380-2386.	3.2	127
41	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> , 2004, 20, 538-544.	5.3	124
42	Biosensors for environmental monitoring. <i>Biotechnology Advances</i> , 1995, 13, 1-12.	6.0	123
43	Electrochemical bacterial detection using poly(3-aminophenylboronic acid)-based imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2017, 93, 87-93.	5.3	117
44	Screen-printed amperometric biosensors for the rapid measurement of L- and D-amino acids. <i>Analyst</i> , 1999, 124, 865-870.	1.7	115
45	An Assay for Ascorbic Acid Based on Polyaniline-Coated Microplates. <i>Analytical Chemistry</i> , 2000, 72, 4296-4300.	3.2	115
46	Application of Natural Receptors in Sensors and Assays. <i>Analytical Chemistry</i> , 2002, 74, 3942-3951.	3.2	114
47	An ultrasensitive molecularly-imprinted human cardiac troponin sensor. <i>Biosensors and Bioelectronics</i> , 2013, 50, 492-498.	5.3	113
48	Ultrasensitive Detection of Human Liver Hepatocellular Carcinoma Cells Using a Label-Free Aptasensor. <i>Analytical Chemistry</i> , 2014, 86, 4956-4960.	3.2	112
49	Mediated amperometric biosensors for d-galactose, glycolate and l-amino acids based on a ferrocene-modified carbon paste electrode. <i>Analytica Chimica Acta</i> , 1986, 182, 103-112.	2.6	109
50	Recent advances in amperometric glucose biosensors for in vivo monitoring. <i>Physiological Measurement</i> , 1995, 16, 1-15.	1.2	108
51	Polymer Cookery: Influence of Polymerization Conditions on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2002, 35, 7499-7504.	2.2	106
52	Development of an On-line Glucose Sensor for Fermentation Monitoring. <i>Biosensors</i> , 1987, 3, 45-56.	2.0	104
53	Mediated amperometric enzyme electrode incorporating peroxidase for the determination of hydrogen peroxide in organic solvents. <i>Analytica Chimica Acta</i> , 1991, 245, 133-138.	2.6	103
54	Template-directed hierarchical self-assembly of graphene based hybrid structure for electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 49, 53-62.	5.3	103

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55	Catalytic Materials, Membranes, and Fabrication Technologies Suitable for the Construction of Amperometric Biosensors. <i>Analytical Chemistry</i> , 1995, 67, 4594-4599.	3.2	101
56	Molecularly Imprinted Sorbent Assays: Recent Developments and Applications. <i>Chemistry - A European Journal</i> , 2009, 15, 8100-8107.	1.7	101
57	Disposable ruthenized screen-printed biosensors for pesticides monitoring. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 85-89.	4.0	99
58	Influence of initiator and different polymerisation conditions on performance of molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , 2006, 22, 381-387.	5.3	97
59	A DNA piezoelectric biosensor assay coupled with a polymerase chain reaction for bacterial toxicity determination in environmental samples. <i>Analytica Chimica Acta</i> , 2000, 418, 1-9.	2.6	94
60	Creatinine and urea biosensors based on a novel ammonium ion-selective copper-polyaniline nano-composite. <i>Biosensors and Bioelectronics</i> , 2016, 77, 505-511.	5.3	94
61	Hierachically Structured Hollow Silica Spheres for High Efficiency Immobilization of Enzymes. <i>Advanced Functional Materials</i> , 2013, 23, 2162-2167.	7.8	92
62	Electrocatalytic Currents from Single Enzyme Molecules. <i>Journal of the American Chemical Society</i> , 2016, 138, 2504-2507.	6.6	92
63	An intelligent rapid odour recognition model in discrimination of <i>Helicobacter pylori</i> and other gastroesophageal isolates in vitro. <i>Biosensors and Bioelectronics</i> , 2000, 15, 333-342.	5.3	89
64	Improved procedures for immobilisation of oligonucleotides on gold-coated piezoelectric quartz crystals. <i>Biosensors and Bioelectronics</i> , 2002, 17, 929-936.	5.3	84
65	A novel third generation uric acid biosensor using uricase electro-activated with ferrocene on a Nafion coated glassy carbon electrode. <i>Bioelectrochemistry</i> , 2015, 102, 1-9.	2.4	84
66	Novel hexacyanoferrate(III) modified graphite disc electrodes and their application in enzyme electrodesâ€”Part I. <i>Biosensors and Bioelectronics</i> , 1997, 12, 1-9.	5.3	83
67	Perspectiveâ€”An Age of Sensors. , 2022, 1, 011601.		83
68	Current trends in biosensor research and development. <i>Sensors and Actuators</i> , 1989, 17, 433-450.	1.8	82
69	Continuous sensing of hydrogen peroxide and glucose via quenching of the UV and visible luminescence of ZnO nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 1819-1826.	2.5	82
70	Design of molecular imprinted polymers compatible with aqueous environment. <i>Analytica Chimica Acta</i> , 2008, 607, 54-60.	2.6	81
71	Detection of TP53 mutation using a portable surface plasmon resonance DNA-based biosensor. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1939-1945.	5.3	79
72	Bioelectrochemical fuel cell and sensor based on a quinoprotein, alcohol dehydrogenase. <i>Enzyme and Microbial Technology</i> , 1983, 5, 383-388.	1.6	75

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73	Electrochemical evaluation of troponin T imprinted polymer receptor. <i>Biosensors and Bioelectronics</i> , 2014, 59, 160-165.	5.3	75
74	Amperometric tetrathiafulvalene-mediated lactate electrode using lactate oxidase absorbed on carbon foil. <i>Analytica Chimica Acta</i> , 1990, 234, 459-463.	2.6	73
75	Polyferrocenes as mediators in amperometric biosensors for glucose. <i>Analytica Chimica Acta</i> , 1993, 281, 453-459.	2.6	73
76	An Electrochemical Immunoassay for HER2 Detection. <i>Electroanalysis</i> , 2012, 24, 735-742.	1.5	72
77	Quasi-monodimensional polyaniline nanostructures for enhanced molecularly imprinted polymer-based sensing. <i>Biosensors and Bioelectronics</i> , 2010, 26, 497-503.	5.3	71
78	Developments in bioassay methods for toxicity testing in water treatment. <i>TrAC - Trends in Analytical Chemistry</i> , 1996, 15, 178-188.	5.8	70
79	Controlled release of the herbicide simazine from computationally designed molecularly imprinted polymers. <i>Journal of Controlled Release</i> , 2005, 108, 132-139.	4.8	70
80	Piezoelectric sensors based on molecular imprinted polymers for detection of low molecular mass analytes. <i>FEBS Journal</i> , 2007, 274, 5471-5480.	2.2	69
81	In Situ Formation of Porous Molecularly Imprinted Polymer Membranes. <i>Macromolecules</i> , 2003, 36, 7352-7357.	2.2	68
82	On/Off-Addressable Switchable Zipper-Like Bioelectronics on a Graphene Interface. <i>Advanced Materials</i> , 2014, 26, 482-486.	11.1	68
83	Hierarchical Aerographite nano-microtubular tetrapodal networks based electrodes as lightweight supercapacitor. <i>Nano Energy</i> , 2017, 34, 570-577.	8.2	67
84	Coupling of a DNA piezoelectric biosensor and polymerase chain reaction to detect apolipoprotein E polymorphisms. <i>Biosensors and Bioelectronics</i> , 2000, 15, 363-370.	5.3	66
85	Biosensors for marine pollution research, monitoring and control. <i>Marine Pollution Bulletin</i> , 2002, 45, 24-34.	2.3	66
86	Immunosensor for okadaic acid using quartz crystal microbalance. <i>Analytica Chimica Acta</i> , 2002, 471, 33-40.	2.6	65
87	Custom synthesis of molecular imprinted polymers for biotechnological application. <i>Analytica Chimica Acta</i> , 2004, 504, 123-130.	2.6	65
88	A Catalytic and Positively Thermosensitive Molecularly Imprinted Polymer. <i>Advanced Functional Materials</i> , 2011, 21, 1194-1200.	7.8	65
89	On the use of screen- and ink-jet printing to produce amperometric enzyme electrodes for lactate. <i>Biosensors and Bioelectronics</i> , 1996, 11, 263-270.	5.3	62
90	Biotin-specific synthetic receptors prepared using molecular imprinting. <i>Analytica Chimica Acta</i> , 2004, 504, 179-183.	2.6	61

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91	Polymer Cookery: Influence of Polymerization Time and Different Initiation Conditions on Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2005, 38, 1410-1414.	2.2	61
92	Carbon monoxide :acceptor oxidoreductase from <i>Pseudomonas thermocarboxydovorans</i> strain C2 and its use in a carbon monoxide sensor. <i>Analytica Chimica Acta</i> , 1984, 163, 161-174.	2.6	60
93	Recognition of anaerobic bacterial isolates in vitro using electronic nose technology. <i>Letters in Applied Microbiology</i> , 2002, 35, 366-369.	1.0	60
94	Towards the development of multisensor for drugs of abuse based on molecular imprinted polymers. <i>Analytica Chimica Acta</i> , 2005, 542, 111-117.	2.6	60
95	Soft and flexible material-based affinity sensors. <i>Biotechnology Advances</i> , 2020, 39, 107398.	6.0	60
96	Characterisation of Screen-Printed Electrodes for Detection of Heavy Metals. <i>Mikrochimica Acta</i> , 1999, 131, 65-73.	2.5	58
97	Biosensors: then and now. <i>Trends in Biotechnology</i> , 2013, 31, 119-120.	4.9	58
98	On/off™-switchable catalysis by a smart enzyme-like imprinted polymer. <i>Journal of Catalysis</i> , 2011, 278, 173-180.	3.1	57
99	Amperometric enzyme electrode for the determination of phenols in chloroform. <i>Enzyme and Microbial Technology</i> , 1988, 10, 543-546.	1.6	56
100	Development of an electrochemical method for the rapid determination of microbial concentration and evidence for the reaction mechanism. <i>Analytica Chimica Acta</i> , 1988, 215, 61-69.	2.6	56
101	Direct monitoring of formaldehyde vapour and detection of ethanol vapour using dehydrogenase-based biosensors. <i>Analyst, The</i> , 1996, 121, 1769.	1.7	56
102	Surface functionalization of porous polypropylene membranes with polyaniline for protein immobilization. <i>Biotechnology and Bioengineering</i> , 2003, 82, 86-92.	1.7	56
103	Generic Neutravidin Biosensor for Simultaneous Multiplex Detection of MicroRNAs via Electrochemically Encoded Responsive Nanolabels. <i>ACS Sensors</i> , 2019, 4, 326-334.	4.0	56
104	Lactate, glutamate and glutamine biosensors based on rhodinised carbon electrodes. <i>Analytica Chimica Acta</i> , 1994, 295, 243-251.	2.6	54
105	A Zipper-Like On/Off™ Switchable Molecularly Imprinted Polymer. <i>Advanced Functional Materials</i> , 2011, 21, 3344-3349.	7.8	54
106	Immunosensor for 2,4-Dichlorophenoxyacetic Acid in Aqueous/Organic Solvent Soil Extracts. <i>Analytical Chemistry</i> , 1998, 70, 5047-5053.	3.2	53
107	Integrated Printed Microfluidic Biosensors. <i>Trends in Biotechnology</i> , 2019, 37, 1104-1120.	4.9	53
108	Solvent-resistant carbon electrodes screen printed onto plastic for use in biosensors. <i>Analytica Chimica Acta</i> , 1997, 347, 9-18.	2.6	52

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109	Processable enzyme-hybrid conductive polymer composites for electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 100, 374-381.	5.3	52
110	Development of a mass-producible glucose biosensor and flow-injection analysis system suitable for on-line monitoring during fermentations. <i>Analytica Chimica Acta</i> , 1996, 321, 165-172.	2.6	51
111	Biosensors for process control. <i>Enzyme and Microbial Technology</i> , 1991, 13, 946-955.	1.6	49
112	Organic phase enzyme electrodes for the determination of hydrogen peroxide and phenol. <i>Sensors and Actuators B: Chemical</i> , 1992, 7, 408-411.	4.0	49
113	Polymer Cookery. 2. Influence of Polymerization Pressure and Polymer Swelling on the Performance of Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2004, 37, 5018-5022.	2.2	49
114	On/off-switchable electrochemical folic acid sensor based on molecularly imprinted polymer electrode. <i>Electrochemistry Communications</i> , 2013, 36, 92-95.	2.3	49
115	Bioelectrocatalytic systems for health applications. <i>Biotechnology Advances</i> , 2016, 34, 177-197.	6.0	48
116	Gas-Phase Microbiosensor for Monitoring Phenol Vapor at ppb Levels. <i>Analytical Chemistry</i> , 1995, 67, 3922-3927.	3.2	47
117	Applications of electron transfer between biological systems and electrodes. <i>Biochemical Society Transactions</i> , 1983, 11, 445-448.	1.6	46
118	Investigations of platinized and rhodinized carbon electrodes for use in glucose sensors. <i>Electroanalysis</i> , 1994, 6, 625-632.	1.5	46
119	Adaptation of the molecular imprinted polymers towards polar environment. <i>Analytica Chimica Acta</i> , 2005, 542, 47-51.	2.6	46
120	Selection of thrombin-binding aptamers by using computational approach for aptasensor application. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4411-4416.	5.3	43
121	An Enzyme Electrode for Glucose Consisting of Glucose Oxidase Immobilised at a Benzoquinone-Modified Carbon Electrode. <i>Analytical Letters</i> , 1991, 24, 15-24.	1.0	41
122	Ruthenized screen-printed choline oxidase-based biosensors for measurement of anticholinesterase activity. <i>Mikrochimica Acta</i> , 1995, 121, 155-166.	2.5	41
123	Amperometric enzyme-amplified immunoassays. <i>Journal of Immunological Methods</i> , 1988, 112, 153-161.	0.6	40
124	TTF-Modified Biosensors for Hydrogen Peroxide. <i>Analytical Letters</i> , 1994, 27, 1443-1452.	1.0	40
125	Electrocatalytic biofuel cell based on highly efficient metal-polymer nano-architected bioelectrodes. <i>Nano Energy</i> , 2017, 39, 601-607.	8.2	40
126	Type I Collagen-Derived Injectable Conductive Hydrogel Scaffolds as Glucose Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16244-16249.	4.0	40

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127	Influence of poly(<i>n</i> -isopropylacrylamide)-“CNT”-polyaniline three-dimensional electrospun microfabric scaffolds on cell growth and viability. <i>Biopolymers</i> , 2013, 99, 334-341.	1.2	39
128	Artificial Muscles Powered by Glucose. <i>Advanced Materials</i> , 2019, 31, e1901677.	11.1	39
129	Application of molecularly imprinted polymers in sensors for the environment and biotechnology. <i>Sensor Review</i> , 2001, 21, 292-296.	1.0	38
130	Surface-Engineered Contact Lens as an Advanced Theranostic Platform for Modulation and Detection of Viral Infection. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25487-25494.	4.0	38
131	“Bite-and-Switch” Approach to Creatine Recognition by Use of Molecularly Imprinted Polymers. <i>Advanced Materials</i> , 2000, 12, 722-724.	11.1	37
132	Capillary electrophoresis coupled to biosensor detection. <i>Journal of Chromatography A</i> , 2000, 892, 143-153.	1.8	37
133	Band edge engineering of TiO ₂ @DNA nanohybrids and implications for capacitive energy storage devices. <i>Nanoscale</i> , 2015, 7, 10438-10448.	2.8	37
134	Electrochemical sensing systems for arsenate estimation by oxidation of l-cysteine. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1495-1501.	2.9	36
135	A high-performance glucose biosensor using covalently immobilised glucose oxidase on a poly(2,6-diaminopyridine)/carbon nanotube electrode. <i>Talanta</i> , 2013, 116, 801-808.	2.9	36
136	Interference-Free Electrochemical Detection of Nanomolar Dopamine Using Doped Polypyrrole and Silver Nanoparticles. <i>Electroanalysis</i> , 2014, 26, 2197-2206.	1.5	36
137	MRI-Visual Order-Disorder Micellar Nanostructures for Smart Cancer Theranostics. <i>Advanced Healthcare Materials</i> , 2014, 3, 526-535.	3.9	36
138	On/off-switchable LSPR nano-immunoassay for troponin-T. <i>Scientific Reports</i> , 2017, 7, 44027.	1.6	36
139	The synthesis and screening of a combinatorial peptide library for affinity ligands for glycosylated haemoglobin1 This paper was a finalist for the Biosensors & Bioelectronics Award for the most original contribution to the Congress, but was withdrawn from the competition by the authors.1. <i>Biosensors and Bioelectronics</i> , 1998, 13, 779-785.	5.3	35
140	The potential legacy of cancer nanotechnology: cellular selection. <i>Trends in Biotechnology</i> , 2014, 32, 21-31.	4.9	34
141	Switchable bioelectronics. <i>Biosensors and Bioelectronics</i> , 2016, 76, 251-265.	5.3	34
142	Rapid determination of the glucose content of molasses using a biosensor. <i>Analyst</i> , The, 1989, 114, 375.	1.7	33
143	Label-Free Electrochemical Detection of Tetracycline by an Aptamer Nano-Biosensor. <i>Analytical Letters</i> , 2012, 45, 986-992.	1.0	33
144	pH-induced on/off-switchable graphene bioelectronics. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7434-7439.	2.9	33

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145	Biosensors: Fundamentals and applications – Historic book now open access. <i>Biosensors and Bioelectronics</i> , 2015, 65, A1.	5.3	33
146	Switchable Bioelectrocatalysis Controlled by Dual Stimuli-Responsive Polymeric Interface. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23837-23847.	4.0	32
147	Modulating Electrode Kinetics for Discrimination of Dopamine by a PEDOT:COOH Interface Doped with Negatively Charged Tricarboxylate. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34497-34506.	4.0	32
148	Application of electrical impedance spectroscopy and amperometry in polyaniline modified ammonia gas sensor. <i>Synthetic Metals</i> , 2013, 175, 127-133.	2.1	31
149	Tunable 3D nanofibrous and bio-functionalised PEDOT network explored as a conducting polymer-based biosensor. <i>Biosensors and Bioelectronics</i> , 2020, 159, 112181.	5.3	31
150	The application of polythiol molecules for protein immobilisation on sensor surfaces. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1049-1055.	5.3	30
151	Biosensors. <i>Current Opinion in Biotechnology</i> , 1994, 5, 49-53.	3.3	29
152	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> , 1997, 20, 590-596.	1.6	29
153	Properties of poly-aminophenylboronate coatings in capillary electrophoresis for the selective separation of diastereoisomers and glycoproteins. <i>Journal of Chromatography A</i> , 2004, 1023, 297-303.	1.8	29
154	Detection of pesticide by polymeric enzyme electrodes. <i>Ecotoxicology and Environmental Safety</i> , 2008, 69, 556-561.	2.9	29
155	New reactive polymer for protein immobilisation on sensor surfaces. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1365-1371.	5.3	29
156	Processable and nanofibrous polyaniline:polystyrene-sulphonate (nano-PANI:PSS) for the fabrication of catalyst-free ammonium sensors and enzyme-coupled urea biosensors. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112725.	5.3	29
157	A novel optical biosensor format for the detection of clinically relevant TP53 mutations. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2310-2313.	5.3	28
158	Tunable conjugated polymers for bacterial differentiation. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 839-848.	4.0	28
159	Positively-charged hierarchical PEDOT interface with enhanced electrode kinetics for NADH-based biosensors. <i>Biosensors and Bioelectronics</i> , 2018, 120, 115-121.	5.3	28
160	Photochemical polymerization of thiophene derivatives in aqueous solution. <i>Chemical Communications</i> , 2004, , 2222.	2.2	27
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