

Jenny EmnÃ©us

List of Publications by Year in descending order

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149
papers

6,802
citations

61984

43
h-index

74163

75
g-index

153
all docs

153
docs citations

153
times ranked

6719
citing authors

#	ARTICLE	IF	CITATIONS
1	Peroxidase-modified electrodes: Fundamentals and application. <i>Analytica Chimica Acta</i> , 1996, 330, 123-138.	5.4	504
2	Microfluidic Enzyme Immunoassay Using Silicon Microchip with Immobilized Antibodies and Chemiluminescence Detection. <i>Analytical Chemistry</i> , 2002, 74, 2994-3004.	6.5	314
3	Gold cleaning methods for electrochemical detection applications. <i>Microelectronic Engineering</i> , 2009, 86, 1282-1285.	2.4	257
4	Selective detection in flow analysis based on the combination of immobilized enzymes and chemically modified electrodes. <i>Analytica Chimica Acta</i> , 1991, 250, 203-248.	5.4	225
5	Development and validation of a colorimetric sensor array for fish spoilage monitoring. <i>Food Control</i> , 2016, 60, 346-352.	5.5	174
6	Improved stability and altered selectivity of tyrosinase based graphite electrodes for detection of phenolic compounds. <i>Analytica Chimica Acta</i> , 1999, 387, 309-326.	5.4	163
7	Flow-injection analysis of phenols at a graphite electrode modified with co-immobilised laccase and tyrosinase. <i>Analytica Chimica Acta</i> , 1995, 308, 137-144.	5.4	160
8	Fabrication of scalable and structured tissue engineering scaffolds using water dissolvable sacrificial 3D printed moulds. <i>Materials Science and Engineering C</i> , 2015, 55, 569-578.	7.3	160
9	The development of a peroxidase biosensor for monitoring phenol and related aromatic compounds. <i>Analytica Chimica Acta</i> , 1995, 311, 245-253.	5.4	147
10	Tyrosinase graphite-epoxy based composite electrodes for detection of phenols. <i>Biosensors and Bioelectronics</i> , 1995, 10, 607-619.	10.1	135
11	Microfluidic enzyme immunosensors with immobilised protein A and G using chemiluminescence detection. <i>Biosensors and Bioelectronics</i> , 2003, 19, 21-34.	10.1	130
12	Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol. <i>Analytica Chimica Acta</i> , 2001, 426, 185-195.	5.4	128
13	Bioelectrochemical Monitoring of Phenols and Aromatic Amines in Flow Injection Using Novel Plant Peroxidases. <i>Analytical Chemistry</i> , 1998, 70, 2596-2600.	6.5	124
14	Electrochemical properties of some copper-containing oxidases. <i>Bioelectrochemistry</i> , 1996, 40, 49-57.	1.0	121
15	Microfluidic dissolved oxygen gradient generator biochip as a useful tool in bacterial biofilm studies. <i>Lab on A Chip</i> , 2010, 10, 2162.	6.0	105
16	Phenol oxidase-based biosensors as selective detection units in column liquid chromatography for the determination of phenolic compounds. <i>Journal of Chromatography A</i> , 1994, 675, 65-78.	3.7	104
17	Development of enzyme-based amperometric sensors for the determination of phenolic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 1995, 14, 319-328.	11.4	89
18	Rate-Limiting Steps of Tyrosinase-Modified Electrodes for the Detection of Catechol. <i>Analytical Chemistry</i> , 1996, 68, 1605-1611.	6.5	83

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19	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. <i>Advanced Science</i> , 2018, 5, 1700931.	11.2	83
20	Amperometric detection of phenols using peroxidase-modified graphite electrodes. <i>Analytica Chimica Acta</i> , 1997, 347, 51-62.	5.4	78
21	Fabrication of scalable tissue engineering scaffolds with dual-pore microarchitecture by combining 3D printing and particle leaching. <i>Materials Science and Engineering C</i> , 2016, 61, 180-189.	7.3	74
22	Effects of different additives on a tyrosinase based carbon paste electrode. <i>Analytica Chimica Acta</i> , 1995, 305, 8-17.	5.4	72
23	Three-dimensional fabrication of thick and densely populated soft constructs with complex and actively perfused channel network. <i>Acta Biomaterialia</i> , 2018, 65, 174-184.	8.3	72
24	Chemometric exploration of an amperometric biosensor array for fast determination of wastewater quality. <i>Biosensors and Bioelectronics</i> , 2005, 21, 608-617.	10.1	71
25	On-Chip Determination of Dopamine Exocytosis Using Mercaptopropionic Acid Modified Microelectrodes. <i>Electroanalysis</i> , 2007, 19, 263-271.	2.9	71
26	Chip Based Electroanalytical Systems for Cell Analysis. <i>Electroanalysis</i> , 2008, 20, 680-702.	2.9	69
27	Amperometric screen-printed biosensor arrays with co-immobilised oxidoreductases and cholinesterases. <i>Analytica Chimica Acta</i> , 2005, 528, 9-19.	5.4	65
28	Doped overoxidized polypyrrole microelectrodes as sensors for the detection of dopamine released from cell populations. <i>Analyst, The</i> , 2013, 138, 3651.	3.5	64
29	Electrochemical characterization of carbon pastes modified with proteins and polycations. <i>Journal of Electroanalytical Chemistry</i> , 1994, 372, 49-55.	3.8	62
30	Pyrolysed 3D Carbon Scaffolds Induce Spontaneous Differentiation of Human Neural Stem Cells and Facilitate Real-Time Dopamine Detection. <i>Advanced Functional Materials</i> , 2014, 24, 7042-7052.	14.9	62
31	Multienzyme electrochemical array sensor for determination of phenols and pesticides. <i>Talanta</i> , 2005, 65, 349-357.	5.5	60
32	Amperometric monitoring of redox activity in living yeast cells: comparison of menadione and menadione sodium bisulfite as electron transfer mediators. <i>Electrochemistry Communications</i> , 2004, 6, 219-224.	4.7	56
33	Brain organoid formation on decellularized porcine brain ECM hydrogels. <i>PLoS ONE</i> , 2021, 16, e0245685.	2.5	55
34	Monitoring of <i>Saccharomyces cerevisiae</i> Cell Proliferation on Thiol-Modified Planar Gold Microelectrodes Using Impedance Spectroscopy. <i>Langmuir</i> , 2008, 24, 9066-9073.	3.5	54
35	Antibody-based methods for surfactant screening. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 456-466.	1.5	53
36	Microfluidic biosensing systems : Part I. Development and optimisation of enzymatic chemiluminescent μ -biosensors based on silicon microchips. <i>Lab on A Chip</i> , 2004, 4, 481-487.	6.0	53

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37	Fully automated microchip system for the detection of quantal exocytosis from single and small ensembles of cells. <i>Lab on A Chip</i> , 2008, 8, 323-329.	6.0	53
38	3D Printed Silicone Hydrogel Scaffold with Enhanced Physicochemical Properties. <i>Biomacromolecules</i> , 2016, 17, 1321-1329.	5.4	53
39	Multichannel Bipotentiostat Integrated With a Microfluidic Platform for Electrochemical Real-Time Monitoring of Cell Cultures. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2012, 6, 498-507.	4.0	50
40	High sample throughput flow immunoassay utilising restricted access columns for the separation of bound and free label. <i>Journal of Chromatography A</i> , 1998, 800, 219-230.	3.7	49
41	Fabrication of high-aspect ratio SU-8 micropillar arrays. <i>Microelectronic Engineering</i> , 2012, 98, 483-487.	2.4	49
42	Fluorescence polarisation for immunoreagent characterisation. <i>Journal of Immunological Methods</i> , 1998, 213, 31-39.	1.4	46
43	Development of an automation technique for the establishment of functional lipid bilayer arrays. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 025014.	2.6	46
44	Bioanalytical tools for monitoring polar pollutants. <i>Waste Management</i> , 1999, 19, 147-170.	7.4	45
45	On-line solid-phase extraction in liquid chromatography using restricted access pre-columns for the analysis of s-triazines in humic-containing waters. <i>Journal of Chromatography A</i> , 1996, 737, 35-45.	3.7	44
46	Bioimpedance monitoring of 3D cell culturing Complementary electrode configurations for enhanced spatial sensitivity. <i>Biosensors and Bioelectronics</i> , 2015, 63, 72-79.	10.1	44
47	Effect of HY-zeolites on the performance of tyrosinase-modified carbon paste electrodes. <i>Electroanalysis</i> , 1996, 8, 1121-1126.	2.9	39
48	Single-cell transcriptomics captures features of human midbrain development and dopamine neuron diversity in brain organoids. <i>Nature Communications</i> , 2021, 12, 7302.	12.8	39
49	Flow system for starch determination based on consecutive enzyme steps and amperometric detection at a chemically modified electrode. <i>Analytical Chemistry</i> , 1990, 62, 263-268.	6.5	38
50	Biospecific detection in liquid chromatography. <i>Journal of Chromatography A</i> , 1995, 703, 191-243.	3.7	38
51	An Enzyme Flow Immunoassay that Uses β -Galactosidase as the Label and a Cellobiose Dehydrogenase Biosensor as the Label Detector. <i>Analytical Chemistry</i> , 2000, 72, 4171-4177.	6.5	38
52	GDH biosensor based off-line capillary immunoassay for alkylphenols and their ethoxylates. <i>Biosensors and Bioelectronics</i> , 2002, 17, 1033-1043.	10.1	38
53	Large scale biomimetic membrane arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 719-727.	3.7	38
54	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. <i>Analytica Chimica Acta</i> , 2002, 456, 3-17.	5.4	36

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55	3D-Printed Soft Lithography for Complex Compartmentalized Microfluidic Neural Devices. <i>Advanced Science</i> , 2020, 7, 2001150.	11.2	36
56	On-Demand Reversible UV-Triggered Interpenetrating Polymer Network-Based Drug Delivery System Using the Spiropyran-Merocyanine Hydrophobicity Switch. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3591-3604.	8.0	36
57	A chemiluminescence flow immunosensor based on a porous monolithic metacrylate and polyethylene composite disc modified with Protein G. <i>Biosensors and Bioelectronics</i> , 2004, 19, 795-803.	10.1	35
58	Ultrasensitive Magnetic Particle-Based Immunosupported Liquid Membrane Assay. <i>Analytical Chemistry</i> , 2005, 77, 7156-7162.	6.5	35
59	Amperometric Response from the Glycolytic versus the Pentose Phosphate Pathway in <i>Saccharomyces cerevisiae</i> Cells. <i>Analytical Chemistry</i> , 2007, 79, 8919-8926.	6.5	34
60	On-line supported liquid membrane-liquid chromatography with a phenol oxidase-based biosensor as a selective detection unit for the determination of phenols in blood plasma. <i>Biomedical Applications</i> , 1997, 701, 39-46.	1.7	32
61	Interaction between sodium dodecyl sulfate and membrane reconstituted aquaporins: A comparative study of spinach SoPIP2;1 and E. coli AqpZ. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2600-2607.	2.6	32
62	Impedimetric Toxicity Assay in Microfluidics Using Free and Liposome-Encapsulated Anticancer Drugs. <i>Analytical Chemistry</i> , 2015, 87, 2204-2212.	6.5	32
63	Poly(Dimethylsiloxane) (PDMS) Affects Gene Expression in PC12 Cells Differentiating into Neuronal-Like Cells. <i>PLoS ONE</i> , 2013, 8, e53107.	2.5	32
64	Inter-laboratory comparison of liquid chromatographic techniques and enzyme-linked immunosorbent assay for the determination of surfactants in wastewaters. <i>Journal of Chromatography A</i> , 2000, 889, 195-209.	3.7	31
65	Microfluidic biosensing systems : Part II. Monitoring the dynamic production of glucose and ethanol from microchip-immobilised yeast cells using enzymatic chemiluminescent μ -biosensors. <i>Lab on A Chip</i> , 2004, 4, 488-494.	6.0	31
66	Developments toward a Microfluidic System for Long-Term Monitoring of Dynamic Cellular Events in Immobilized Human Cells. <i>Analytical Chemistry</i> , 2004, 76, 4715-4720.	6.5	31
67	3D biomaterial models of human brain disease. <i>Neurochemistry International</i> , 2021, 147, 105043.	3.8	31
68	Effects on the hydrolysis of native starch and glycogen by a thermostable α -amylase after immobilization on solid supports. <i>Analytica Chimica Acta</i> , 1990, 234, 97-106.	5.4	30
69	An Amperometric Biosensor Based on Laccase Immobilized in Polymer Matrices for Determining Phenolic Compounds. <i>Journal of Analytical Chemistry</i> , 2005, 60, 553-557.	0.9	30
70	Self-Assembled Diphenylalanine Nanowires for Cellular Studies and Sensor Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 3077-3083.	0.9	30
71	A Compact Microelectrode Array Chip with Multiple Measuring Sites for Electrochemical Applications. <i>Sensors</i> , 2014, 14, 9505-9521.	3.8	30
72	Boronate-Modified Interdigitated Electrode Array for Selective Impedance-Based Sensing of Glycated Hemoglobin. <i>Analytical Chemistry</i> , 2016, 88, 9582-9589.	6.5	30

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73	Immunologic Trapping in Supported Liquid Membrane Extraction. <i>Analytical Chemistry</i> , 2000, 72, 5280-5284.	6.5	29
74	Bioelectrochemical probing of intracellular redox processes in living yeast cells—application of redox polymer wiring in a microfluidic environment. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3847-3858.	3.7	29
75	Dense high-aspect ratio 3D carbon pillars on interdigitated microelectrode arrays. <i>Carbon</i> , 2015, 94, 792-803.	10.3	28
76	Mediator-assisted simultaneous probing of cytosolic and mitochondrial redox activity in living cells. <i>Analytical Biochemistry</i> , 2009, 384, 11-19.	2.4	27
77	Construction and characterisation of a modular microfluidic system: coupling magnetic capture and electrochemical detection. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 393-402.	2.2	27
78	Comparison between different inorganic supports for the immobilization of amyloglucosidase and α -amylase to be used in enzyme reactors in flow-injection systems. <i>Analytica Chimica Acta</i> , 1993, 276, 303-318.	5.4	26
79	Evaluation of progesterone content in saliva using magnetic particle-based immuno supported liquid membrane assay (m-ISLMA). <i>Biosensors and Bioelectronics</i> , 2006, 22, 241-246.	10.1	26
80	Differentiation of human-induced pluripotent stem cell under flow conditions to mature hepatocytes for liver tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1273-1284.	2.7	26
81	Next generation human brain models: engineered flat brain organoids featuring gyrification. <i>Biofabrication</i> , 2021, 13, 011001.	7.1	26
82	The MainSTREAM Component Platform. <i>Journal of the Association for Laboratory Automation</i> , 2013, 18, 212-228.	2.8	25
83	Biomaterial based strategies to reconstruct the nigrostriatal pathway in organotypic slice co-cultures. <i>Acta Biomaterialia</i> , 2021, 121, 250-262.	8.3	25
84	An enzyme flow immunoassay using alkaline phosphatase as the label and a tyrosinase biosensor as the label detector. <i>Analytical Communications</i> , 1998, 35, 417-419.	2.2	24
85	Interdependence of initial cell density, drug concentration and exposure time revealed by real-time impedance spectroscopic cytotoxicity assay. <i>Analyst</i> , 2015, 140, 3623-3629.	3.5	24
86	On-line coupling of microdialysis sampling with liquid chromatography for the determination of peptide and non-peptide leukotrienes. <i>Journal of Chromatography A</i> , 1998, 823, 489-496.	3.7	23
87	Modular microfluidic system as a model of cystic fibrosis airways. <i>Biomicrofluidics</i> , 2012, 6, 34109.	2.4	23
88	Leaky Optoelectrical Fiber for Optogenetic Stimulation and Electrochemical Detection of Dopamine Exocytosis from Human Dopaminergic Neurons. <i>Advanced Science</i> , 2019, 6, 1902011.	11.2	23
89	Prediction of wastewater quality using amperometric bioelectronic tongues. <i>Biosensors and Bioelectronics</i> , 2016, 75, 375-382.	10.1	22
90	Screen-printed multienzyme arrays for use in amperometric batch and flow systems. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 1098-1103.	3.7	21

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91	Specific detection of L-glutamate in food using flow-injection analysis and enzymatic recycling of substrate. <i>Analytica Chimica Acta</i> , 2004, 518, 127-135.	5.4	21
92	Embedded 3D Printing in Self-Healing Annealable Composites for Precise Patterning of Functionally Mature Human Neural Constructs. <i>Advanced Science</i> , 2022, 9, .	11.2	21
93	Optimisation of a heterogeneous non-competitive flow immunoassay comparing fluorescein, peroxidase and alkaline phosphatase as labels. <i>Journal of Immunological Methods</i> , 1998, 211, 33-42.	1.4	20
94	Direct and Mediated Electron Transfer Catalyzed by Anionic Tobacco Peroxidase: Effect of Calcium Ions. <i>Applied Biochemistry and Biotechnology</i> , 2000, 88, 321-334.	2.9	20
95	A steady-state and flow-through cell for screen-printed eight-electrode arrays. <i>Analytica Chimica Acta</i> , 2005, 531, 165-172.	5.4	20
96	A novel human pluripotent stem cell-based assay to predict developmental toxicity. <i>Archives of Toxicology</i> , 2020, 94, 3831-3846.	4.2	20
97	A capillary-based amperometric flow immunoassay for 2,4,6-trichlorophenol. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 125-132.	3.7	19
98	On-chip microfluidic systems for determination of L-glutamate based on enzymatic recycling of substrate. <i>Biomicrofluidics</i> , 2009, 3, 014104.	2.4	19
99	An impedance method for spatial sensing of 3D cell constructs " towards applications in tissue engineering. <i>Analyst</i> , The, 2015, 140, 6079-6088.	3.5	19
100	Characterization of tyrosinase-teflon/graphite composite electrodes for the determination of catechol in environmental analysis. <i>Electroanalysis</i> , 1996, 8, 885-890.	2.9	18
101	A glucose dehydrogenase biosensor as an additional signal amplification step in an enzyme-flow immunoassay. <i>Analyst</i> , The, 2002, 127, 1076-1081.	3.5	18
102	Conducting Polymer 3D Microelectrodes. <i>Sensors</i> , 2010, 10, 10986-11000.	3.8	18
103	Electrochemical Probing of in Vivo 5-Hydroxymethyl Furfural Reduction in <i>Saccharomyces cerevisiae</i> . <i>Analytical Chemistry</i> , 2009, 81, 9896-9901.	6.5	17
104	Comparison between different inorganic supports for the immobilization of amyloglucosidase and α -amylase to be used in enzyme reactors in flow-injection systems. <i>Analytica Chimica Acta</i> , 1993, 276, 319-328.	5.4	16
105	Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water. <i>Analytica Chimica Acta</i> , 2001, 426, 197-207.	5.4	16
106	<i>Comamonas testosteroni</i> Strain TI as a Potential Base for a Microbial Sensor Detecting Surfactants. <i>Applied Biochemistry and Microbiology</i> , 2004, 40, 404-408.	0.9	16
107	Impedance Spectroscopic Characterisation of Porosity in 3D Cell Culture Scaffolds with Different Channel Networks. <i>Electroanalysis</i> , 2015, 27, 193-199.	2.9	16
108	Micropatterned Carbon-on-Quartz Electrode Chips for Photocurrent Generation from Thylakoid Membranes. <i>ACS Applied Energy Materials</i> , 2018, 1, 3313-3322.	5.1	16

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109	Extraction, Enrichment, and in situ Electrochemical Detection on Lab-on-a-Disc: Monitoring the Production of a Bacterial Secondary Metabolite. <i>ACS Sensors</i> , 2019, 4, 398-405.	7.8	16
110	Amperometric sensors based on tyrosinase-modified screen-printed arrays. <i>Talanta</i> , 2003, 61, 473-483.	5.5	15
111	Quantification of a bacterial secondary metabolite by SERS combined with SLM extraction for bioprocess monitoring. <i>Analyst</i> , The, 2017, 142, 4553-4559.	3.5	15
112	Assessing the efficacy of vesicle fusion with planar membrane arrays using a mitochondrial porin as reporter. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 96-100.	2.1	14
113	A micro-immuno supported liquid membrane assay (1/4-ISLMA). <i>Biosensors and Bioelectronics</i> , 2006, 21, 1513-1520.	10.1	13
114	Negative UV-NIL (NUV-NIL) – A mix-and-match NIL and UV strategy for realisation of nano- and micrometre structures. <i>Microelectronic Engineering</i> , 2009, 86, 654-656.	2.4	13
115	Comparison of Ultrasonic Welding and Thermal Bonding for the Integration of Thin Film Metal Electrodes in Injection Molded Polymeric Lab-on-Chip Systems for Electrochemistry. <i>Sensors</i> , 2016, 16, 1795.	3.8	13
116	Analysis of Triazines and Associated Metabolites with Electrospray Ionization Field-Asymmetric Ion Mobility Spectrometry/Mass Spectrometry. <i>Analytical Sciences</i> , 2008, 24, 973-978.	1.6	12
117	Real-time detection of cofactor availability in genetically modified living <i>Saccharomyces cerevisiae</i> cells – Simultaneous probing of different geno- and phenotypes. <i>Bioelectrochemistry</i> , 2009, 76, 180-188.	4.6	12
118	Formation of Giant Protein Vesicles by a Lipid Cosolvent Method. <i>ChemBioChem</i> , 2011, 12, 2856-2862.	2.6	12
119	Pyrolytic carbon nanoglass electrodes for electrochemical detection of dopamine. <i>Electrochimica Acta</i> , 2021, 379, 138122.	5.2	12
120	Immuno-SLM – a combined sample handling and analytical technique. <i>Journal of Immunological Methods</i> , 2004, 284, 107-118.	1.4	11
121	Multivariate data analysis of dynamic amperometric biosensor responses from binary analyte mixtures? application of sensitivity correction algorithms. <i>Talanta</i> , 2005, 65, 298-305.	5.5	11
122	Electrochemical Immunoassays. , 0, , 377-410.		11
123	A Flow Injection System for the Determination of Starch in Starch from Different Origins with Immobilized α -Amylase and Amyloglucosidase Reactors. <i>Starch/Staerke</i> , 1993, 45, 264-270.	2.1	10
124	A flow immunoassay for alkylphenol ethoxylate surfactants and their metabolites – questions associated with cross-reactivity, matrix effects, and validation by chromatographic techniques. <i>Analyst</i> , The, 2003, 128, 849-856.	3.5	10
125	Molecular-Gated Drug Delivery Systems Using Light-Triggered Hydrophobic-to-Hydrophilic Switches. <i>ACS Applied Bio Materials</i> , 2021, 4, 1624-1631.	4.6	10
126	Selective immuno-supported liquid membrane (ISLM) extraction, enrichment and analysis of 2,4,6-trichlorophenol. <i>Journal of Membrane Science</i> , 2005, 256, 143-143.	8.2	9

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127	Monitoring intra- and extracellular redox capacity of intact barley aleurone layers responding to phytohormones. <i>Analytical Biochemistry</i> , 2016, 515, 1-8.	2.4	9
128	Transcriptomic changes upon epoxiconazole exposure in a human stem cell-based model of developmental toxicity. <i>Chemosphere</i> , 2021, 284, 131225.	8.2	9
129	Multivariate analysis to separate the signal given by cross-reactants in immunoassay with sample matrix dilution. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 898-907.	3.7	8
130	Probing the redox metabolism in the strictly anaerobic, extremely thermophilic, hydrogen-producing <i>Caldicellulosiruptor saccharolyticus</i> using amperometry. <i>Extremophiles</i> , 2011, 15, 77-87.	2.3	8
131	Creating a human-induced pluripotent stem cell-based NKX2.5 reporter gene assay for developmental toxicity testing. <i>Archives of Toxicology</i> , 2021, 95, 1659-1670.	4.2	8
132	A flow immunoassay for studies of human exposure and toxicity in biological samples. , 1998, 11, 182-184.		7
133	Quantitative Label-Free Cell Proliferation Tracking with a Versatile Electrochemical Impedance Detection Platform. <i>Journal of Physics: Conference Series</i> , 2012, 407, 012029.	0.4	7
134	A reusable device for electrochemical applications of hydrogel supported black lipid membranes. <i>Biomedical Microdevices</i> , 2015, 17, 21.	2.8	7
135	Pyrolytic Carbon Nanograft Enhances Neurogenesis and Dopaminergic Differentiation of Human Midbrain Neural Stem Cells. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001108.	7.6	7
136	Impedance characterization of biocompatible hydrogel suitable for biomimetic lipid membrane applications. <i>Electrochimica Acta</i> , 2021, 373, 137917.	5.2	7
137	Investigating the Role of Surface Materials and Three Dimensional Architecture on In Vitro Differentiation of Porcine Monocyte-Derived Dendritic Cells. <i>PLoS ONE</i> , 2016, 11, e0158503.	2.5	7
138	Flow immunochemical bio-recognition detection for the determination of Interleukin-10 in cell samples. <i>Journal of Immunological Methods</i> , 2000, 246, 119-130.	1.4	6
139	Electroenzymatic reactions with oxygen on laccase-modified electrodes in anhydrous (pure) organic solvent. <i>Bioelectrochemistry</i> , 2007, 70, 199-204.	4.6	6
140	Automated sampling and data processing derived from biomimetic membranes. <i>Bioinspiration and Biomimetics</i> , 2009, 4, 044001.	2.9	6
141	Novel Nanostructured Electrodes Obtained by Pyrolysis of Composite Polymeric Materials. <i>Electroanalysis</i> , 2015, 27, 1544-1549.	2.9	6
142	Monitoring cell endocytosis of liposomes by real-time electrical impedance spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6371-6380.	3.7	6
143	Selective Direct Laser Writing of Pyrolytic Carbon Microelectrodes in Absorber-Modified SU-8. <i>Micromachines</i> , 2021, 12, 564.	2.9	6
144	Impedance-Based E-Screen Cell Biosensor for the Real-Time Screening of Xenoestrogenic Compounds. <i>ACS ES&T Water</i> , 2022, 2, 446-456.	4.6	5

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145	Chapter 9 Immunoassay: potentials and limitations. Comprehensive Analytical Chemistry, 2005, , 375-427.	1.3	4
146	Hydrogen Peroxide Detection Using Prussian Blue-Modified 3D Pyrolytic Carbon Microelectrodes. Electroanalysis, 0, , .	2.9	4
147	Compact potentiostat for cellular electrochemical imaging with 54 parallel channels. , 2012, , .		3
148	Stationary photocurrent generation from bacteriorhodopsin-loaded lipo-polymerosomes in polyelectrolyte multilayer assembly on polyethersulfone membrane. Analytical and Bioanalytical Chemistry, 2020, 412, 6307-6318.	3.7	1
149	Impedimetric melanoma invasion assay device using a simple paper membrane and stencil-printed electrode on PMMA substrate. Sensing and Bio-Sensing Research, 2020, 29, 100354.	4.2	1