# Joseph Wang

#### List of Publications by Citations

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38,120 269 192 102 h-index g-index citations papers 8.2 42,106 7.8 275 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
269	Electrochemical glucose biosensors. <i>Chemical Reviews</i> , <b>2008</b> , 108, 814-25	68.1	2569
268	Carbon-Nanotube Based Electrochemical Biosensors: A Review. <i>Electroanalysis</i> , <b>2005</b> , 17, 7-14	3	1937
267	Solubilization of carbon nanotubes by Nafion toward the preparation of amperometric biosensors. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 2408-9	16.4	1227
266	Wearable biosensors for healthcare monitoring. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 389-406	44.5	1043
265	Electrochemical biosensors: towards point-of-care cancer diagnostics. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 21, 1887-92	11.8	1014
264	Low-potential stable NADH detection at carbon-nanotube-modified glassy carbon electrodes. <i>Electrochemistry Communications</i> , <b>2002</b> , 4, 743-746	5.1	967
263	Bismuth-coated carbon electrodes for anodic stripping voltammetry. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 32	1 <del>8.</del> 82	804
262	Nanomaterial-based electrochemical biosensors. <i>Analyst, The</i> , <b>2005</b> , 130, 421-6	5	755
261	Non-invasive wearable electrochemical sensors: a review. <i>Trends in Biotechnology</i> , <b>2014</b> , 32, 363-71	15.1	752
<b>2</b> 60	Carbon nanotube/teflon composite electrochemical sensors and biosensors. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 2075-9	7.8	744
259	Ultrasensitive electrical biosensing of proteins and DNA: carbon-nanotube derived amplification of the recognition and transduction events. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3010-1	16.4	644
258	Electrochemical coding technology for simultaneous detection of multiple DNA targets. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3214-5	16.4	575
257	Glucose Biosensors: 40 Years of Advances and Challenges. <i>Electroanalysis</i> , <b>2001</b> , 13, 983-988	3	543
256	Electrochemical tattoo biosensors for real-time noninvasive lactate monitoring in human perspiration. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6553-60	7.8	539
255	A wearable chemical-electrophysiological hybrid biosensing system for real-time health and fitness monitoring. <i>Nature Communications</i> , <b>2016</b> , 7, 11650	17.4	510
254	Metal nanoparticle-based electrochemical stripping potentiometric detection of DNA hybridization. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 5576-81	7.8	479
253	Wearable Electrochemical Sensors and Biosensors: A Review. <i>Electroanalysis</i> , <b>2013</b> , 25, 29-46	3	471

252	Wearable Chemical Sensors: Present Challenges and Future Prospects. ACS Sensors, 2016, 1, 464-482	9.2	469
251	Stripping Analysis at Bismuth Electrodes: A Review. <i>Electroanalysis</i> , <b>2005</b> , 17, 1341-1346	3	459
250	Tattoo-based noninvasive glucose monitoring: a proof-of-concept study. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 394-8	7.8	434
249	Nanomaterial-based amplified transduction of biomolecular interactions. <i>Small</i> , <b>2005</b> , 1, 1036-43	11	370
248	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. <i>ACS Sensors</i> , <b>2016</b> , 1, 1011-1019	9.2	350
247	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 1061-8	11.8	339
246	Epidermal tattoo potentiometric sodium sensors with wireless signal transduction for continuous non-invasive sweat monitoring. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 603-9	11.8	326
245	Wearable non-invasive epidermal glucose sensors: A review. <i>Talanta</i> , <b>2018</b> , 177, 163-170	6.2	311
244	Carbon-nanotube-induced acceleration of catalytic nanomotors. ACS Nano, 2008, 2, 1069-75	16.7	298
243	Advanced Materials for Printed Wearable Electrochemical Devices: A Review. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600260	6.4	290
242	Insights into the anodic stripping voltammetric behavior of bismuth film electrodes. <i>Analytica Chimica Acta</i> , <b>2001</b> , 434, 29-34	6.6	283
241	Aptamer biosensor for label-free impedance spectroscopy detection of proteins based on recognition-induced switching of the surface charge. <i>Chemical Communications</i> , <b>2005</b> , 4267-9	5.8	280
240	Carbon-nanotube-modified glassy carbon electrodes for amplified label-free electrochemical detection of DNA hybridization. <i>Analyst, The</i> , <b>2003</b> , 128, 912-6	5	273
239	A Decade with Bismuth-Based Electrodes in Electroanalysis. <i>Electroanalysis</i> , <b>2010</b> , 22, 1405-1420	3	267
238	Electrochemical coding for multiplexed immunoassays of proteins. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 7126	- <b>3</b> 08	265
237	Nanomaterials for bio-functionalized electrodes: recent trends. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4878-4908	7.3	260
236	Silver-Enhanced Colloidal Gold Electrochemical Stripping Detection of DNA Hybridization. <i>Langmuir</i> , <b>2001</b> , 17, 5739-5741	4	252
235	Magnetically-induced solid-state electrochemical detection of DNA hybridization. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 4208-9	16.4	250

234	Tattoo-based potentiometric ion-selective sensors for epidermal pH monitoring. <i>Analyst, The</i> , <b>2013</b> , 138, 123-8	5	248
233	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst, The</i> , <b>2014</b> , 139, 1632-6	5	236
232	Carbon nanotube screen-printed electrochemical sensors. <i>Analyst, The</i> , <b>2004</b> , 129, 1-2	5	234
231	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. <i>Advanced Science</i> , <b>2018</b> , 5, 1800880	13.6	230
230	Determination of organophosphate pesticides at a carbon nanotube/organophosphorus hydrolase electrochemical biosensor. <i>Analytica Chimica Acta</i> , <b>2005</b> , 530, 185-189	6.6	227
229	Soft, stretchable, high power density electronic skin-based biofuel cells for scavenging energy from human sweat. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1581-1589	35.4	225
228	Carbon-nanotubes doped polypyrrole glucose biosensor. <i>Analytica Chimica Acta</i> , <b>2005</b> , 539, 209-213	6.6	224
227	Epidermal Microfluidic Electrochemical Detection System: Enhanced Sweat Sampling and Metabolite Detection. <i>ACS Sensors</i> , <b>2017</b> , 2, 1860-1868	9.2	223
226	Epidermal biofuel cells: energy harvesting from human perspiration. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 7233-6	16.4	223
225	Tattoo-Based Wearable Electrochemical Devices: A Review. <i>Electroanalysis</i> , <b>2015</b> , 27, 562-572	3	222
224			
224	Carbon nanotubeconducting-polymer composite nanowires. <i>Langmuir</i> , <b>2005</b> , 21, 9-12	4	215
223	Carbon nanotubeconducting-polymer composite nanowires. <i>Langmuir</i> , <b>2005</b> , 21, 9-12  A potentiometric tattoo sensor for monitoring ammonium in sweat. <i>Analyst, The</i> , <b>2013</b> , 138, 7031-8	5	215
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223	A potentiometric tattoo sensor for monitoring ammonium in sweat. <i>Analyst, The</i> , <b>2013</b> , 138, 7031-8  Amperometric biosensors for clinical and therapeutic drug monitoring: a review. <i>Journal of</i>	5	212
223	A potentiometric tattoo sensor for monitoring ammonium in sweat. <i>Analyst, The</i> , <b>2013</b> , 138, 7031-8  Amperometric biosensors for clinical and therapeutic drug monitoring: a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1999</b> , 19, 47-53  Multiple enzyme layers on carbon nanotubes for electrochemical detection down to 80 DNA copies.	5 3·5	212
223	A potentiometric tattoo sensor for monitoring ammonium in sweat. <i>Analyst, The</i> , <b>2013</b> , 138, 7031-8  Amperometric biosensors for clinical and therapeutic drug monitoring: a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1999</b> , 19, 47-53  Multiple enzyme layers on carbon nanotubes for electrochemical detection down to 80 DNA copies. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4662-6  A Disposable Biosensor for Organophosphorus Nerve Agents Based on Carbon Nanotubes	5 3.5 7.8	212 212 201
223 222 221 220	A potentiometric tattoo sensor for monitoring ammonium in sweat. <i>Analyst, The</i> , <b>2013</b> , 138, 7031-8  Amperometric biosensors for clinical and therapeutic drug monitoring: a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1999</b> , 19, 47-53  Multiple enzyme layers on carbon nanotubes for electrochemical detection down to 80 DNA copies. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4662-6  A Disposable Biosensor for Organophosphorus Nerve Agents Based on Carbon Nanotubes Modified Thick Film Strip Electrode. <i>Electroanalysis</i> , <b>2005</b> , 17, 54-58  Stretchable Biofuel Cells as Wearable Textile-based Self-Powered Sensors. <i>Journal of Materials</i>	<ul><li>5</li><li>3.5</li><li>7.8</li><li>3</li></ul>	212 212 201 200

#### (2006-1999)

216	Towards Genoelectronics: Electrochemical Biosensing of DNA Hybridization. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 1681-1685	4.8	189
215	Bandage-Based Wearable Potentiometric Sensor for Monitoring Wound pH. <i>Electroanalysis</i> , <b>2014</b> , 26, 1345-1353	3	188
214	Electrochemical determination of hydrogen sulfide at carbon nanotube modified electrodes. <i>Analytica Chimica Acta</i> , <b>2004</b> , 517, 131-137	6.6	185
213	Electrochemical glucose sensors in diabetes management: an updated review (2010-2020). <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 7671-7709	58.5	172
212	Real-time electrochemical monitoring: toward green analytical chemistry. <i>Accounts of Chemical Research</i> , <b>2002</b> , 35, 811-6	24.3	169
211	Polyaniline-coated Fe3O4 nanoparticle-carbon-nanotube composite and its application in electrochemical biosensing. <i>Small</i> , <b>2008</b> , 4, 462-6	11	165
210	All-Printed, Stretchable Zn-Ag2O Rechargeable Battery via Hyperelastic Binder for Self-Powering Wearable Electronics. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602096	21.8	163
209	Eyeglasses based wireless electrolyte and metabolite sensor platform. <i>Lab on A Chip</i> , <b>2017</b> , 17, 1834-18	3 <b>472</b> 2	160
208	Electrochemical enzyme immunoassays on microchip platforms. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 5323-7	7.8	157
207	Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. <i>Electrochemistry Communications</i> , <b>2015</b> , 51, 41-45	5.1	156
206	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2820-2828	24.3	154
205	Carbon nanotube fiber microelectrodes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14706-7	16.4	152
204	Capillary electrophoresis microchip with a carbon nanotube-modified electrochemical detector. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 298-302	7.8	151
203	Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization. <i>Analytica Chimica Acta</i> , <b>2001</b> , 431, 219-224	6.6	150
202	Highly Selective Membrane-Free, Mediator-Free Glucose Biosensor. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 3600	0 <del>-7</del> 3 <b>6</b> 03	147
<b>2</b> 01	Mercury-free disposable lead sensors based on potentiometric stripping analysis at gold-coated screen-printed electrodes. <i>Analytical Chemistry</i> , <b>1993</b> , 65, 1529-32	7.8	140
200	Digital biosensors with built-in logic for biomedical applicationsbiosensors based on a biocomputing concept. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 1591-603	4.4	139
199	Potentiometric biosensing of proteins with ultrasensitive ion-selective microelectrodes and nanoparticle labels. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13676-7	16.4	139

198	Biofuel Cells for Self-Powered Electrochemical Biosensing and Logic Biosensing: A Review. <i>Electroanalysis</i> , <b>2012</b> , 24, 197-209	3	138
197	Electrochemical detection of trace insulin at carbon-nanotube-modified electrodes. <i>Analytica Chimica Acta</i> , <b>2004</b> , 511, 33-36	6.6	136
196	Electroactive Beads For Ultrasensitive DNA Detection. Langmuir, 2003, 19, 989-991	4	136
195	Comparison of the Electrochemical Reactivity of Electrodes Modified with Carbon Nanotubes from Different Sources. <i>Electroanalysis</i> , <b>2005</b> , 17, 65-72	3	136
194	Electrochemical Detection for Capillary Electrophoresis Microchips: A Review. <i>Electroanalysis</i> , <b>2005</b> , 17, 1133-1140	3	136
193	Electrochemical activation of carbon nanotubes. <i>Electrochemistry Communications</i> , <b>2005</b> , 7, 14-18	5.1	135
192	Aptamer-based potentiometric measurements of proteins using ion-selective microelectrodes. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 707-12	7.8	129
191	Electrochemical sensing based on printable temporary transfer tattoos. <i>Chemical Communications</i> , <b>2012</b> , 48, 6794-6	5.8	128
190	Nanoparticle-Based Electrochemical Bioassays of Proteins. <i>Electroanalysis</i> , <b>2007</b> , 19, 769-776	3	128
189	A self-powered "sense-act-treat" system that is based on a biofuel cell and controlled by boolean logic. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2686-9	16.4	127
188	Detection of homocysteine at carbon nanotube paste electrodes. <i>Talanta</i> , <b>2004</b> , 63, 443-9	6.2	127
187	Wearable Biofuel Cells: A Review. <i>Electroanalysis</i> , <b>2016</b> , 28, 1188-1200	3	126
186	An introduction to bismuth film electrode for use in cathodic electrochemical detection. <i>Electrochemistry Communications</i> , <b>2001</b> , 3, 707-711	5.1	126
185	V-type nerve agent detection using a carbon nanotube-based amperometric enzyme electrode. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 331-6	7.8	124
184	Chemical adsorption of phenothiazine dyes onto carbon nanotubes: Toward the low potential detection of NADH. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 71-76	5.1	122
183	Modified electrodes for electrochemical sensors. <i>Electroanalysis</i> , <b>1991</b> , 3, 255-259	3	122
182	Detection of point mutation in the p53 gene using a peptide nucleic acid biosensor. <i>Analytica Chimica Acta</i> , <b>1997</b> , 344, 111-118	6.6	121
181	Thick-film textile-based amperometric sensors and biosensors. <i>Analyst, The</i> , <b>2010</b> , 135, 1230-4	5	120

Wearable textile biofuel cells for powering electronics. Journal of Materials Chemistry A, 2014, 2, 18184-18189 119 180 Zwitterionic poly(carboxybetaine) hydrogels for glucose biosensors in complex media. Biosensors 11.8 179 119 and Bioelectronics, 2011, 26, 2454-9 An epidermal patch for the simultaneous monitoring of haemodynamic and metabolic biomarkers. 178 19 119 Nature Biomedical Engineering, 2021, 5, 737-748 Microneedle-based self-powered glucose sensor. Electrochemistry Communications, 2014, 47, 58-62 118 177 5.1 Electrochemical detection of carbohydrates at carbon-nanotube modified glassy-carbon 176 5.1 115 electrodes. Electrochemistry Communications, 2004, 6, 284-287 An epidermal alkaline rechargeable AgIn printable tattoo battery for wearable electronics. 13 112 175 Journal of Materials Chemistry A, 2014, 2, 15788-15795 Potentiometric Stripping Analysis at Bismuth-Film Electrode. Electroanalysis, 2002, 14, 112-115 174 111 3 Microneedle array-based carbon paste amperometric sensors and biosensors. Analyst, The, 2011, 107 173 136, 1846-51 Amplified Electrical Transduction of DNA Hybridization Based on Polymeric Beads Loaded with 172 3 107 Multiple Gold Nanoparticle Tags. Electroanalysis, 2004, 16, 101-107 171 On-chip enzymatic assays. Electrophoresis, 2002, 23, 713-8 3.6 106 Wearable Wireless Tyrosinase Bandage and Microneedle Sensors: Toward Melanoma Screening. 170 10.1 104 Advanced Healthcare Materials, 2018, 7, e1701264 Carbon nanotubes (CNTs) for the development of electrochemical biosensors. Frontiers in 169 2.8 104 Bioscience - Landmark, **2005**, 10, 492-505 168 Wearable Electrochemical Sensors for the Monitoring and Screening of Drugs. ACS Sensors, 2020, 5, 2679,2700102 Carbon Nanotube Modified Microelectrode for Enhanced Voltammetric Detection of Dopamine in 167 101 the Presence of Ascorbate. *Electroanalysis*, **2005**, 17, 417-422 Wearable electrochemical sensors for in situ analysis in marine environments. Analyst, The, 2011, 166 96 5 136, 2912-7 165 Multianalyte digital enzyme biosensors with built-in Boolean logic. Analytical Chemistry, 2012, 84, 5463-97.8 95 Ternary monolayers as DNA recognition interfaces for direct and sensitive electrochemical 164 11.8 95 detection in untreated clinical samples. Biosensors and Bioelectronics, 2011, 26, 3577-83 Wearable Electrochemical Microneedle Sensor for Continuous Monitoring of Levodopa: Toward 163 9.2 94 Parkinson Management. ACS Sensors, 2019, 4, 2196-2204

162	Oxygen-Rich Oxidase Enzyme Electrodes for Operation in Oxygen-Free Solutions. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 1048-1050	16.4	93
161	Determination of Trace Mercury in Saltwaters at Screen-Printed Electrodes Modified with Sumichelate Q10R. <i>Electroanalysis</i> , <b>1998</b> , 10, 1017-1021	3	91
160	Decentralized electrochemical monitoring of trace metals: from disposable strips to remote electrodes. Plenary lecture. <i>Analyst, The</i> , <b>1994</b> , 119, 763	5	91
159	Electrochemical detection of amino acids at carbon nanotube and nickel-carbon nanotube modified electrodes. <i>Analyst, The</i> , <b>2004</b> , 129, 1076-81	5	88
158	. Electroanalysis, <b>2001</b> , 13, 1153-1156	3	86
157	Epidermal Enzymatic Biosensors for Sweat Vitamin C: Toward Personalized Nutrition. <i>ACS Sensors</i> , <b>2020</b> , 5, 1804-1813	9.2	83
156	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 296, 126422-126422	8.5	82
155	Glucose Nanosensor Based on Prussian-Blue Modified Carbon-Fiber Cone Nanoelectrode and an Integrated Reference Electrode. <i>Electroanalysis</i> , <b>1999</b> , 11, 945-949	3	82
154	Wearable Chemical Sensors: Emerging Systems for On-Body Analytical Chemistry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 378-396	7.8	82
153	All-printed magnetically self-healing electrochemical devices. <i>Science Advances</i> , <b>2016</b> , 2, e1601465	14.3	81
152	Electrocatalytic detection of insulin at RuOx/carbon nanotube-modified carbon electrodes. <i>Analytica Chimica Acta</i> , <b>2007</b> , 581, 1-6	6.6	80
151	Biomolecule-functionalized nanowires: from nanosensors to nanocarriers. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1748-55	3.2	79
150	Adsorptive stripping voltammetric measurements of trace uranium at the bismuth film electrode. <i>Analytica Chimica Acta</i> , <b>2005</b> , 535, 9-13	6.6	79
149	Enzyme logic gates for the digital analysis of physiological level upon injury. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 3569-74	11.8	77
148	Carbon nanotube/poly(methyl methacrylate) (CNT/PMMA) composite electrode fabricated by in situ polymerization for microchip capillary electrophoresis. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 846-53	4.8	77
147	Wearable electrochemical biosensors in North America. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 172, 1127	5 <b>0</b> 11.8	76
146	Bicomponent Microneedle Array Biosensor for Minimally-Invasive Glutamate Monitoring. <i>Electroanalysis</i> , <b>2011</b> , 23, 2302-2309	3	75
145	On-Body Bioelectronics: Wearable Biofuel Cells for Bioenergy Harvesting and Self-Powered Biosensing. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906243	15.6	74

### (2018-2010)

144	Textile-based Electrochemical Sensing: Effect of Fabric Substrate and Detection of Nitroaromatic Explosives. <i>Electroanalysis</i> , <b>2010</b> , 22, 2511-2518	3	73
143	Needle-type dual microsensor for the simultaneous monitoring of glucose and insulin. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 844-7	7.8	73
142	Magnetic tuning of the electrochemical reactivity through controlled surface orientation of catalytic nanowires. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 4562-3	16.4	72
141	Particle-based detection of DNA hybridization using electrochemical stripping measurements of an iron tracer. <i>Analytica Chimica Acta</i> , <b>2003</b> , 482, 149-155	6.6	71
140	Indium microrod tags for electrochemical detection of DNA hybridization. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 6218-22	7.8	71
139	Re-usable electrochemical glucose sensors integrated into a smartphone platform. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 101, 181-187	11.8	70
138	Stripping voltammetry with the electrode material acting as a 'built-in' internal standard. <i>Electrochemistry Communications</i> , <b>2001</b> , 3, 703-706	5.1	69
137	Wearable potentiometric tattoo biosensor for on-body detection of G-type nerve agents simulants. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 966-972	8.5	69
136	The electrochemical detection of ammonia in drinking water based on multi-walled carbon nanotube/copper nanoparticle composite paste electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 128, 326-333	8.5	68
135	Horseradish-root-modified carbon paste bioelectrode. <i>Electroanalysis</i> , <b>1989</b> , 1, 43-48	3	68
135	Horseradish-root-modified carbon paste bioelectrode. <i>Electroanalysis</i> , <b>1989</b> , 1, 43-48  Wearable Ring-Based Sensing Platform for Detecting Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 1531-153		68 67
134	Wearable Ring-Based Sensing Platform for Detecting Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 1531-153  Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> ,	389.2	67
134	Wearable Ring-Based Sensing Platform for Detecting Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 1531-153  Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2291-2300  Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode	3 <b>8</b> 9.2 7.8	67 67
134 133 132	Wearable Ring-Based Sensing Platform for Detecting Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 1531-153.  Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2291-2300.  Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 4647-4655.  Electrocatalysis and determination of hydrazine compounds at glassy carbon electrodes coated	7.8 7.8	67 67 66
134 133 132	Wearable Ring-Based Sensing Platform for Detecting Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 1531-1532.  Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2291-2300.  Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 4647-4655.  Electrocatalysis and determination of hydrazine compounds at glassy carbon electrodes coated with mixed-valent ruthenium(III, II) cyanide films. <i>Electroanalysis</i> , <b>1989</b> , 1, 517-521	7.8 7.8 7.8	67 67 66 66
134 133 132 131	Wearable Ring-Based Sensing Platform for Detecting Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 1531-1532.  Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2291-2300.  Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 4647-4655.  Electrocatalysis and determination of hydrazine compounds at glassy carbon electrodes coated with mixed-valent ruthenium(III, II) cyanide films. <i>Electroanalysis</i> , <b>1989</b> , 1, 517-521.  Enzyme nanoparticles-based electronic biosensor. <i>Chemical Communications</i> , <b>2005</b> , 3481-3.  The effect of lightly crosslinked poly(carboxybetaine) hydrogel coating on the performance of	7.8 7.8 3 5.8	67 67 66 66 65

126	Catalytic adsorptive stripping voltammetric measurements of trace vanadium at bismuth film electrodes. <i>Talanta</i> , <b>2006</b> , 69, 914-7	6.2	61
125	Continuous Opioid Monitoring along with Nerve Agents on a Wearable Microneedle Sensor Array.  Journal of the American Chemical Society, 2020, 142, 5991-5995	16.4	59
124	Microchip capillary electrophoresis with amperometric detection for rapid separation and detection of seleno amino acids. <i>Journal of Chromatography A</i> , <b>2005</b> , 1091, 177-82	4.5	58
123	Nanobioelectroanalysis Based on Carbon/Inorganic Hybrid Nanoarchitectures. <i>Electroanalysis</i> , <b>2011</b> , 23, 1289-1300	3	57
122	Flexible Rolled Thick-Film Miniaturized Flow-Cell for Minimally Invasive Amperometric Sensing. <i>Electroanalysis</i> , <b>2008</b> , 20, 1610-1614	3	57
121	A polishable amperometric biosensor for bilirubin. <i>Electroanalysis</i> , <b>1990</b> , 2, 647-650	3	57
120	A self-sustainable wearable multi-modular E-textile bioenergy microgrid system. <i>Nature Communications</i> , <b>2021</b> , 12, 1542	17.4	56
119	Stamp transfer electrodes for electrochemical sensing on non-planar and oversized surfaces. <i>Analyst, The</i> , <b>2012</b> , 137, 1570-5	5	54
118	Redox cycling amplified electrochemical detection of DNA hybridization: application to pathogen E. coli bacterial RNA. <i>Analytica Chimica Acta</i> , <b>2011</b> , 689, 29-33	6.6	53
117	Separation and Detection of Nitrophenols at Capillary Electrophoresis Microchips with Amperometric Detection. <i>Electroanalysis</i> , <b>2006</b> , 18, 195-199	3	53
116	Scanning tunneling microscopic probing of surface fouling during the oxidation of nicotinamide coenzymes. <i>Bioelectrochemistry</i> , <b>1992</b> , 29, 215-221		53
115	Organic-Phase Enzyme Electrode for the Determination of Phenols in Olive Oils. <i>Analytical Letters</i> , <b>1992</b> , 25, 1399-1409	2.2	52
114	Simultaneous detection of salivary Eletrahydrocannabinol and alcohol using a Wearable Electrochemical Ring Sensor. <i>Talanta</i> , <b>2020</b> , 211, 120757	6.2	51
113	Potentiometric detection of DNA hybridization using enzyme-induced metallization and a silver ion selective electrode. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 10007-12	7.8	51
112	Electrochemical detection of E. coli 16S rDNA sequence using air-plasma-activated fullerene-impregnated screen printed electrodes. <i>Bioelectrochemistry</i> , <b>2007</b> , 70, 481-7	5.6	51
111	Electrocatalysis and flow detection at a glassy carbon electrode modified with a thin film of oxymanganese species. <i>Electroanalysis</i> , <b>1991</b> , 3, 215-219	3	51
110	Biocompatible enzymatic roller pens for direct writing of biocatalytic materials: "do-it-yourself" electrochemical biosensors. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1215-24	10.1	50
109	Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes. <i>Analytica Chimica Acta</i> , <b>2001</b> , 441, 183-189	6.6	50

108	Organic-phase biosensors based on the entrapment of enzymes within poly(ester-sulfonic acid) coatings. <i>Electroanalysis</i> , <b>1993</b> , 5, 23-27	3	50
107	Lab under the Skin: Microneedle Based Wearable Devices. Advanced Healthcare Materials, 2021, 10, e20	002255	45
106	Highly sensitive disposable nucleic acid biosensors for direct bioelectronic detection in raw biological samples. <i>Talanta</i> , <b>2011</b> , 85, 1330-7	6.2	43
105	A Reagentless Amperometric Alcohol Biosensor Based on Carbon-Nanotube/Teflon Composite Electrodes. <i>Analytical Letters</i> , <b>2003</b> , 36, 2041-2048	2.2	43
104	A Laccase Electrode for Organic-Phase Enzymatic Assays. <i>Analytical Letters</i> , <b>1993</b> , 26, 197-207	2.2	43
103	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 13498-	·1 <del>3</del> . <b>5</b> 05	43
102	Delayed Sensor Activation Based on Transient Coatings: Biofouling Protection in Complex Biofluids. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14050-14053	16.4	43
101	Graphite-teflon enzyme electrode. <i>Electroanalysis</i> , <b>1993</b> , 5, 575-579	3	42
100	Electrochemistry of nicotinamide adenine dinucleotide (reduced) at heated platinum electrodes. <i>Analytica Chimica Acta</i> , <b>2005</b> , 554, 74-78	6.6	41
99	Self-Healing Inks for Autonomous Repair of Printable Electrochemical Devices. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500289	6.4	40
98	Ultrasensitive aptamer-based protein detection via a dual amplified biocatalytic strategy. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 2539-42	11.8	40
97	Chemical Sensing at the Robot Fingertips: Toward Automated Taste Discrimination in Food Samples. <i>ACS Sensors</i> , <b>2018</b> , 3, 2375-2384	9.2	40
96	Multiplexed and Switchable Release of Distinct Fluids from Microneedle Platforms via Conducting Polymer Nanoactuators for Potential Drug Delivery. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 161,	8.5	39
95	Automated system for on-line adsorptive stripping voltammetric monitoring of trace levels of uranium. <i>Electroanalysis</i> , <b>1992</b> , 4, 161-165	3	39
94	Biomedical nanomotors: efficient glucose-mediated insulin release. <i>Nanoscale</i> , <b>2017</b> , 9, 14307-14311	7.7	38
93	Touch-Based Fingertip Blood-Free Reliable Glucose Monitoring: Personalized Data Processing for Predicting Blood Glucose Concentrations. <i>ACS Sensors</i> , <b>2021</b> , 6, 1875-1883	9.2	38
92	Adsorptive Stripping Voltammetric Measurements of Trace Molybdenum at the Bismuth Film Electrode. <i>Electroanalysis</i> , <b>2006</b> , 18, 59-63	3	37
91	Microchip flow-injection analysis of trace 2,4,6-trinitrotoluene (TNT) using mercury-amalgam electrochemical detector. <i>Talanta</i> , <b>2006</b> , 69, 984-7	6.2	37

90	Trace analysis at clay-modified carbon paste electrodes. <i>Electroanalysis</i> , <b>1989</b> , 1, 167-172	3	37
89	Permselective lipid?poly(o-phenylenediamine) coatings for amperometric biosensing of glucose. <i>Analytica Chimica Acta</i> , <b>1993</b> , 283, 683-688	6.6	35
88	Template electrodeposition of catalytic nanomotors. Faraday Discussions, 2013, 164, 9-18	3.6	34
87	Graphite-teflon-peroxidase composite electrodes. Application to the direct determination of glucose in musts and wines. <i>Electroanalysis</i> , <b>1997</b> , 9, 1113-1119	3	34
86	Carbon-nanotube-alginate composite modified electrode fabricated by in situ gelation for capillary electrophoresis. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9779-85	4.8	33
85	Adaptive nanowire-nanotube bioelectronic system for on-demand bioelectrocatalytic transformations. <i>Chemical Communications</i> , <b>2007</b> , 3362-4	5.8	32
84	A wearable fingernail chemical sensing platform: pH sensing at your fingertips. <i>Talanta</i> , <b>2016</b> , 150, 622-	· <b>8</b> 6.2	30
83	Electrochemical sample matrix elimination for trace-level potentiometric detection with polymeric membrane ion-selective electrodes. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 6114-8	7.8	30
82	Stripping measurements of hydrogen peroxide based on biocatalytic accumulation at mediatorless peroxidase/carbon paste electrodes. <i>Electroanalysis</i> , <b>1992</b> , 4, 777-782	3	30
81	Flow cell based on glucose oxidase-modified carbon fiber ultramicroelectrode. <i>Electroanalysis</i> , <b>1989</b> , 1, 151-154	3	30
80	Composite Polymeric Films on Electrodes: Incorporation of Poly(4-Vinylpyridine) into Base-Hydrolyzed Cellulose Acetate Coating. <i>Journal of the Electrochemical Society</i> , <b>1987</b> , 134, 586-591	3.9	30
79	Rapid antimicrobial susceptibility testing by sensitive detection of precursor rRNA using a novel electrochemical biosensing platform. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 936-43	5.9	29
78	Wearable and Mobile Sensors for Personalized Nutrition. ACS Sensors, 2021, 6, 1745-1760	9.2	28
77	Cavitas electrochemical sensor toward detection of N-epsilon (carboxymethyl)lysine in oral cavity. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 281, 399-407	8.5	28
76	Thermally Stable Improved First-Generation Glucose Biosensors based on Nafion/Glucose-Oxidase Modified Heated Electrodes. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1819-1822	5.1	27
75	Balloon-Embedded Sensors Withstanding Extreme Multiaxial Stretching and Global Bending Mechanical Stress: Towards Environmental and Security Monitoring. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 1600061	6.8	26
74	NanoBiosensing <b>2011</b> ,		26
73	Acid stability of carbon paste enzyme electrodes. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 7044-7	7.8	26

72	Gold ultramicroelectrodes for on-site monitoring of trace lead. <i>Electroanalysis</i> , <b>1993</b> , 5, 809-814	3	26
71	A pulse amperometric sensor for the measurement of atmospheric hydrogen peroxide. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 2062-6	7.8	25
70	Energy Autonomous Sweat-Based Wearable Systems. Advanced Materials, 2021, 33, e2100899	24	25
69	Electrocatalysis and flow detection of alcohols at ruthenium dioxide-modified electrodes. <i>Electroanalysis</i> , <b>1991</b> , 3, 37-42	3	24
68	Enzyme-based NAND gate for rapid electrochemical screening of traumatic brain injury in serum. <i>Analytica Chimica Acta</i> , <b>2011</b> , 703, 94-100	6.6	23
67	Development and evaluation of glucose microsensors based on electrochemical codeposition of ruthenium and glucose oxidase onto carbon fiber microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>1995</b> , 397, 149-155	4.1	22
66	Direct electrochemical biosensing in gastrointestinal fluids. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4597-4604	4.4	22
65	Poly(ester-sulfonic acid)-coated mercury film electrodes for anodic stripping voltammetry. <i>Electroanalysis</i> , <b>1990</b> , 2, 383-387	3	21
64	Electrochemical sensors: From the bench to the skin. Sensors and Actuators B: Chemical, 2021, 344, 130	1 <i>1</i> 885	20
63	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. <i>ACS Sensors</i> , <b>2020</b> , 5, 1363-13	373 <sup>2</sup>	19
62	Development of amperometric Eketoglutarate biosensor based on ruthenium-rhodium modified carbon fiber enzyme microelectrode. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3670-3	11.8	19
61	Tropolone Modified Carbon Paste Electrodes For Trace Measurements of Tin. <i>Analytical Letters</i> , <b>1989</b> , 22, 719-727	2.2	19
60	Electrochemical Nucleic Acid Biosensors. <i>Perspectives in Bioanalysis</i> , <b>2005</b> , 1, 175-194		18
59	Electrocatalytic flow detection of amino acids at ruthenium dioxide-modified carbon electrodes. <i>Electroanalysis</i> , <b>1994</b> , 6, 125-129	3	18
58	Flow-reversal injection analysis for improved stripping voltammetry. <i>Electroanalysis</i> , <b>1990</b> , 2, 127-131	3	18
57	A Self-Powered Bense-Act-Treat System that is Based on a Biofuel Cell and Controlled by Boolean Logic. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 2740-2743	3.6	17
56	Biocatalytically induced formation of cupric ferrocyanide nanoparticles and their application for electrochemical and optical biosensing of glucose. <i>Small</i> , <b>2006</b> , 2, 129-34	11	17
55	Highly selective biosensing of glucose utilizing a glucose oxidase + rhodium + Nafion  biocatalytic-electrocatalytic-permselective surface microstructure. <i>Journal of Electroanalytical Chemistry</i> , <b>1995</b> , 395, 287-291	4.1	17

54	Simultaneous measurements of trace metals by adsorptive stripping voltammetry. <i>Electroanalysis</i> , <b>1989</b> , 1, 229-234	3	17
53	Sensitive Voltammetric Sensing of the 2,3-Dimethyl-2,3-dinitrobutane (Dmnb) Explosive Taggant. <i>Electroanalysis</i> , <b>2006</b> , 18, 971-975	3	16
52	Electrochemical Detection of Abasic Site-Containing DNA. <i>Electroanalysis</i> , <b>2006</b> , 18, 399-404	3	15
51	Characterization of poly(ester-sulfonic acid)-coated microvoltammetric electrodes. <i>Electroanalysis</i> , <b>1990</b> , 2, 253-256	3	15
50	Sensing at Your Fingertips: Glove-based Wearable Chemical Sensors. <i>Electroanalysis</i> , <b>2018</b> , 31, 428	3	15
49	Self-propelled screen-printable catalytic swimmers. <i>RSC Advances</i> , <b>2015</b> , 5, 78986-78993	3.7	14
48	Magnetically induced carbon nanotube-mediated control of electrochemical reactivity. <i>Langmuir</i> , <b>2005</b> , 21, 8565-8	4	14
47	Bioaccumulation and quantitation of metals at peat moss-modified electrodes. <i>Electroanalysis</i> , <b>1992</b> , 4, 71-76	3	14
46	Non-Invasive Sweat-Based Tracking of L-Dopa Pharmacokinetic Profiles Following an Oral Tablet Administration. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19074-19078	16.4	12
45	A review of biomarkers in the context of type 1 diabetes: Biological sensing for enhanced glucose control. <i>Bioengineering and Translational Medicine</i> , <b>2021</b> , 6, e10201	14.8	12
44	Designing wearable microgrids: towards autonomous sustainable on-body energy management. Energy and Environmental Science, <b>2022</b> , 15, 82-101	35.4	11
43	Textile-based wearable solid-contact flexible fluoride sensor: Toward biodetection of G-type nerve agents. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 182, 113172	11.8	11
42	Strip-based amperometric detection of myeloperoxidase. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 886-9	11.8	10
41	Templated one-step synthesis of compositionally encoded nanowire tags. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 2461-4	7.8	10
40	Adsorptive stripping voltammetric determination of trace tellurium in the presence of oxine. <i>Electroanalysis</i> , <b>1994</b> , 6, 405-408	3	10
39	Preparation and characterization of band nanoelectrodes made of carbonized polyacrylonitrile films. <i>Electroanalysis</i> , <b>1991</b> , 3, 505-509	3	10
38	Fabrication of a carbon nanotube-polyurethane composite electrode by in situ polyaddition for use in amperometric detection in capillary electrophoresis. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2579-2587	5.8	9
37	Facile preparation of carbon nanotube/poly(ethyl 2-cyanoacrylate) composite electrode by water-vapor-initiated polymerization for enhanced amperometric detection. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12458-64	4.8	9

## (2021-1991)

36	Tomato seed-based amperometric sensor for the determination of alcohols. <i>Electroanalysis</i> , <b>1991</b> , 3, 655-658	3	9
35	Batch injection analysis with the rotating disk electrode. <i>Electroanalysis</i> , <b>1991</b> , 3, 773-776	3	9
34	Improved anodic stripping voltammetric measurements of silver by codeposition with mercury. <i>Electroanalysis</i> , <b>1989</b> , 1, 417-421	3	9
33	Trace Measurements of Mitomycin C Based on Adsorptive Stripping Voltammetry. <i>Analytical Letters</i> , <b>1986</b> , 19, 2293-2305	2.2	9
32	Extended Noninvasive Glucose Monitoring in the Interstitial Fluid Using an Epidermal Biosensing Patch. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 12767-12775	7.8	9
31	Continuous monitoring with microfabricated capillary electrophoresis chip devices. <i>Analyst, The</i> , <b>2005</b> , 130, 1390-4	5	8
30	Amperometric biosensing of alcohols at electrochemically pretreated glassy-carbon enzyme electrodes. <i>Electroanalysis</i> , <b>1993</b> , 5, 427-430	3	8
29	Permselective Coatings for Amperometric Biosensing. <i>ACS Symposium Series</i> , <b>1992</b> , 125-132	0.4	8
28	Adsorptive stripping voltammetric measurements of trace niobium levels following chelation with cupferron. <i>Electroanalysis</i> , <b>1992</b> , 4, 981-985	3	8
27	Wearable soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	8
26	Electrochemical Behavior and Determination of Nicardipine. <i>Analytical Letters</i> , <b>1985</b> , 18, 1087-1102	2.2	7
25	Chapter 6 Stripping-based electrochemical metal sensors for environmental monitoring. Comprehensive Analytical Chemistry, 2007, 49, 131-141	1.9	6
24	Adsorptive stripping measurements of bismuth. <i>Electroanalysis</i> , <b>1993</b> , 5, 319-324	3	6
23	Determination of Trace Elements in Pharmaceutical Tablets Using Anodic stripping Voltammetry. <i>Analytical Letters</i> , <b>1983</b> , 16, 925-939	2.2	5
22	Towards Biosensing Strategies Based on Biochemical Logic Systems <b>2010</b> ,		4
21	Stripping Analysis <b>2003</b> ,		4
20	Wearable electrochemical microneedle sensing platform for real-time continuous interstitial fluid monitoring of apomorphine: Toward Parkinson management. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 354, 131234	8.5	4
19	Non-Invasive Sweat-Based Tracking of L-Dopa Pharmacokinetic Profiles Following an Oral Tablet Administration. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19222-19226	3.6	4

18	Nanobiosensing for Clinical Diagnosis <b>2011</b> , 535-567		3
17	Nanomaterials for Immunosensors and Immunoassays <b>2011</b> , 425-452		3
16	Biofunctionalization of Nanomaterials <b>2011</b> , 1-38		3
15	Horseradish-Root Tissue Tubular Reactor for Flow Injection Detection of Hydrogen Peroxide. <i>Analytical Letters</i> , <b>1992</b> , 25, 999-1009	2.2	3
14	Hydrophobic uptake and voltammetry of ergot alkaloids at lipid-coated electrodes. <i>Electroanalysis</i> , <b>1990</b> , 2, 595-599	3	3
13	ReviewAn Overview on Recent Progress in Screen-Printed Electroanalytical (Bio)Sensors <b>2022</b> , 1, 02340	1	3
12	Enzyme Logic Systems: Biomedical and Forensic Biosensor Applications. <i>Springer Series on Chemical Sensors and Biosensors</i> , <b>2017</b> , 345-381	2	2
11	Carbohydrate Detection Using Nanostructured Biosensing <b>2011</b> , 393-424		2
10	Nanostructured Mimic Enzymes for Biocatalysis and Biosensing <b>2011</b> , 85-109		2
9	Adsorptive/Extractive Stripping Voltammetry of 1,2,3,4-Tetrahydrocarbazole. <i>Analytical Letters</i> , <b>1985</b> , 18, 2569-2579	2.2	2
8	Nanostructured Biosensing for Detection of Insecticides <b>2011</b> , 365-391		1
7	Carbon Nanofiber-Based Nanocomposites for Biosensing <b>2011</b> , 147-170		1
6	Amplified transduction of biomolecular interactions based on the use of nanomaterials. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2008</b> , 109, 239-54	1.7	1
5	Monolithic processing of a layered flexible robotic actuator film for kinetic electronics. <i>Scientific Reports</i> , <b>2021</b> , 11, 20015	4.9	O
4	Electrochemical Biosensors Based on Nanomaterials <b>2015</b> , 317-329		
3	Nanostructured Biosensing and Biochips for DNA Analysis <b>2011</b> , 453-484		
2	Electrochemical Biosensing Based on Carbon Nanotubes <b>2011</b> , 207-239		
1	Lab-on-a-Chip Detection of Explosives <b>2006</b> , 261-284		