

Robert S Marks

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188
papers

4,891
citations

40
h-index

58
g-index

203
ext. papers

5,497
ext. citations

6.5
avg, IF

5.7
L-index

#	Paper	IF	Citations
188	Colorimetric detection of mercury ions based on plasmonic nanoparticles. <i>Small</i> , 2013 , 9, 1467-81	11	226
187	Recent advances in aptasensors based on graphene and graphene-like nanomaterials. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 373-85	11.8	148
186	Detection of bioavailable heavy metals in EILATox-Oregon samples using whole-cell luminescent bacterial sensors in suspension or immobilized onto fibre-optic tips. <i>Journal of Applied Toxicology</i> , 2004 , 24, 333-42	4.1	119
185	Bioluminescent whole cell optical fiber sensor to genotoxics: system optimization. <i>Sensors and Actuators B: Chemical</i> , 2001 , 74, 18-26	8.5	97
184	Electrochemical lateral flow immunosensor for detection and quantification of dengue NS1 protein. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 400-8	11.8	96
183	Synthesis and characterization of a biotin-alginate conjugate and its application in a biosensor construction. <i>Biomacromolecules</i> , 2004 , 5, 389-96	6.9	90
182	Whole-cell aquatic biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 895-913	4.4	87
181	Fibre-optic bacterial biosensors and their application for the analysis of bioavailable Hg and As in soils and sediments from Aznalcollar mining area in Spain. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1396-402	11.8	85
180	Optical fiber immunosensor based on a poly(pyrrole-benzophenone) film for the detection of antibodies to viral antigen. <i>Analytical Chemistry</i> , 2005 , 77, 1771-9	7.8	83
179	Protease amperometric sensor. <i>Analytical Chemistry</i> , 2006 , 78, 6327-31	7.8	81
178	Synthesis and characterization of a pyrrole-alginate conjugate and its application in a biosensor construction. <i>Biomacromolecules</i> , 2005 , 6, 3313-8	6.9	78
177	Protein printing with an atomic force sensing nanofountainpen. <i>Applied Physics Letters</i> , 2003 , 83, 1041-1043	9.43	74
176	Rapid and label-free electrochemical DNA biosensor for detecting hepatitis A virus. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 89-95	11.8	72
175	Lateral Flow Immunoassays From Paper Strip to Smartphone Technology. <i>Electroanalysis</i> , 2015 , 27, 2116-2130	3	71
174	Construction of amperometric immunosensors based on the electrogeneration of a permeable biotinylated polypyrrole film. <i>Analytical Chemistry</i> , 2004 , 76, 6808-13	7.8	71
173	Thiazole derivative-modified upconversion nanoparticles for Hg(2+) detection in living cells. <i>Nanoscale</i> , 2016 , 8, 276-82	7.7	69
172	Highly sensitive and specific detection of E. coli by a SERS nanobiosensor chip utilizing metallic nanosculptured thin films. <i>Analyst, The</i> , 2015 , 140, 3201-9	5	68

171	Development of an "electroptode" immunosensor: indium tin oxide-coated optical fiber tips conjugated with an electropolymerized thin film with conjugated cholera toxin B subunit. <i>Analytical Chemistry</i> , 2003 , 75, 2633-9	7.8	65
170	Antibody-based immobilization of bioluminescent bacterial sensor cells. <i>Talanta</i> , 2001 , 55, 1029-38	6.2	64
169	Freestanding HRPOx redox buckypaper as an oxygen-reducing biocathode for biofuel cell applications. <i>Energy and Environmental Science</i> , 2015 , 8, 2069-2074	35.4	63
168	Luminescent yeast cells entrapped in hydrogels for estrogenic endocrine disrupting chemical biodetection. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 2263-9	11.8	63
167	Surface-enhanced fluorescence from metal sculptured thin films with application to biosensing in water. <i>Applied Physics Letters</i> , 2009 , 94, 063106	3.4	58
166	Amperometric immunosensor for the detection of anti-West Nile virus IgG. <i>Analytical Chemistry</i> , 2007 , 79, 8662-8	7.8	55
165	Coral-associated bacteria, quorum sensing disrupters, and the regulation of biofouling. <i>Biofouling</i> , 2013 , 29, 669-82	3.3	50
164	Characterization of quorum sensing signals in coral-associated bacteria. <i>Microbial Ecology</i> , 2011 , 61, 783-94	4.4	50
163	Flow-through real time bacterial biosensor for toxic compounds in water. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 11-18	8.5	48
162	Chemiluminescent optical fiber immunosensor for detecting cholera antitoxin. <i>Optical Engineering</i> , 1997 , 36, 3258	1.1	48
161	Glucose determination using a re-usable enzyme-modified ion track membrane sensor. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2702-6	11.8	47
160	Chemiluminescent optical fiber immunosensor for the detection of IgM antibody to dengue virus in humans. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 206-215	8.5	47
159	Mediated electrochemical detection of catechol by tyrosinase-based poly(dicarbazole) electrodes. <i>Journal of Proteomics</i> , 2001 , 50, 65-77		46
158	Photochemical attachment of biomolecules onto fibre-optics for construction of a chemiluminescent immunosensor. <i>Luminescence</i> , 2004 , 19, 69-77	2.5	45
157	Creation of a fiber optic based biosensor for air toxicity monitoring. <i>Sensors and Actuators B: Chemical</i> , 2011 , 155, 859-867	8.5	43
156	Biotinylated alginate immobilization matrix in the construction of an amperometric biosensor: application for the determination of glucose. <i>Analytica Chimica Acta</i> , 2002 , 453, 71-79	6.6	43
155	Improved enzyme retention from an electropolymerized polypyrrole-alginate matrix in the development of biosensors. <i>Electrochemistry Communications</i> , 2005 , 7, 1277-1282	5.1	43
154	The single mode tapered optical fibre loop immunosensor. <i>Biosensors and Bioelectronics</i> , 1996 , 11, 137-148	4.8	43

153	Persistent immune responses after Ebola virus infection. <i>New England Journal of Medicine</i> , 2013 , 369, 492-3	59.2	42
152	Profile and persistence of the virus-specific neutralizing humoral immune response in human survivors of Sudan ebolavirus (Gulu). <i>Journal of Infectious Diseases</i> , 2013 , 208, 299-309	7	42
151	A comparative study of gallstones from children and adults using FTIR spectroscopy and fluorescence microscopy. <i>BMC Gastroenterology</i> , 2002 , 2, 3	3	42
150	Cloud-enabled microscopy and droplet microfluidic platform for specific detection of <i>Escherichia coli</i> in water. <i>PLoS ONE</i> , 2014 , 9, e86341	3.7	40
149	Chemiluminescent optical fiber immunosensor for detection of autoantibodies to ovarian and breast cancer-associated antigens. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1508-16	11.8	40
148	Development of a highly sensitive, field operable biosensor for serological studies of Ebola virus in central Africa. <i>Sensors and Actuators B: Chemical</i> , 2007 , 122, 578-586	8.5	40
147	Bioluminescent liquid light guide pad biosensor for indoor air toxicity monitoring. <i>Analytical Chemistry</i> , 2015 , 87, 3655-61	7.8	39
146	Bioluminescent bioreporter pad biosensor for monitoring water toxicity. <i>Talanta</i> , 2016 , 149, 290-297	6.2	39
145	A polypyrrole cDNA electrode for the amperometric detection of the West Nile Virus. <i>Electrochemistry Communications</i> , 2006 , 8, 1741-1748	5.1	36
144	Chemiluminescent optical fiber immunosensor for the detection of anti-West Nile virus IgG. <i>Talanta</i> , 2005 , 66, 6-14	6.2	35
143	Creation of a new portable biosensor for water toxicity determination. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 1044-1054	8.5	34
142	Chemiluminescent DNA optical fibre sensor for <i>Brettanomyces bruxellensis</i> detection. <i>Journal of Biotechnology</i> , 2012 , 157, 25-30	3.7	34
141	Physico-chemical studies of indium tin oxide-coated fiber optic biosensors. <i>Thin Solid Films</i> , 2005 , 492, 313-321	2.2	34
140	Highly sensitive amperometric immunosensor for the detection of <i>Escherichia coli</i> . <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3461-6	11.8	33
139	MoS ₂ nanoparticles coupled to SnS ₂ nanosheets: The structural and electronic modulation for synergetic electrocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , 2018 , 366, 8-15	7.3	32
138	Detection of sub-inhibitory antibiotic concentrations via luminescent sensing bacteria and prediction of their mode of action. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 685-692	8.5	32
137	A rapid and easy procedure of biosensor fabrication by micro-encapsulation of enzyme in hydrophilic synthetic latex films. Application to the amperometric determination of glucose. <i>Electrochemistry Communications</i> , 2000 , 2, 851-855	5.1	32
136	A comparative physical study of two different hydrophilic synthetic latex matrices for the construction of a glucose biosensor. <i>Talanta</i> , 2001 , 55, 889-97	6.2	32

135	Colorimetric stack pad immunoassay for bacterial identification. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 572-578	11.8	31
134	A lower limit of detection for atrazine was obtained using bioluminescent reporter bacteria via a lower incubation temperature. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 84, 221-6	7	31
133	Optical fiber immunosensor for the detection of IgG antibody to Rift Valley fever virus in humans. <i>Journal of Virological Methods</i> , 2007 , 146, 327-34	2.6	31
132	Nanolithography Using Protease Etching of Protein Surfaces. <i>Nano Letters</i> , 2003 , 3, 1639-1642	11.5	31
131	Comparison between the performances of amperometric immunosensors for cholera antitoxin based on three enzyme markers. <i>Talanta</i> , 2005 , 66, 15-20	6.2	30
130	Electroenzymatic polypyrrole-intercalator sensor for the determination of West Nile virus cDNA. <i>Analytical Chemistry</i> , 2006 , 78, 7054-7	7.8	30
129	A permselective biotinylated polydicarbazole film for the fabrication of amperometric enzyme electrodes. <i>Electrochemistry Communications</i> , 2003 , 5, 973-977	5.1	30
128	Indium tin oxide-coated optical fiber tips for affinity electropolymerization. <i>Materials Science and Engineering C</i> , 2002 , 21, 189-194	8.3	28
127	Measuring Artificial Sweeteners Toxicity Using a Bioluminescent Bacterial Panel. <i>Molecules</i> , 2018 , 23,	4.8	28
126	Controlled carbon nanotube layers for impedimetric immunosensors: High performance label free detection and quantification of anti-cholera toxin antibody. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 177-183	11.8	27
125	Fiber-optic immunosensor for detection of Crimean-Congo hemorrhagic fever IgG antibodies in patients. <i>Analytical Chemistry</i> , 2015 , 87, 8394-8	7.8	27
124	An innovative strategy for immobilization of receptor proteins on to an optical fiber by use of poly(pyrrole-biotin). <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 1056-63	4.4	27
123	Fabrication of organic phase biosensors based on multilayered polyphenol oxidase protected by an alginate coating. <i>Electrochemistry Communications</i> , 2001 , 3, 727-732	5.1	27
122	Local medium effects in the photochemical behavior of substituted stilbenes immobilized on quartz surfaces. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999 , 122, 133-142	4.7	27
121	Glucose fuel cell based on carbon nanotube-supported pyrene-metalloporphyrin catalysts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10635-10640	13	26
120	Point-of-Care-Testing in Acute Stroke Management: An Unmet Need Ripe for Technological Harvest. <i>Biosensors</i> , 2017 , 7,	5.9	26
119	Novel electro-oxidizable chiral N-substituted dicarbazoles and resulting electroactive films for covalent attachment of proteins. <i>Tetrahedron Letters</i> , 2000 , 41, 3725-3729	2	26
118	Functional marine metagenomic screening for anti-quorum sensing and anti-biofilm activity. <i>Biofouling</i> , 2017 , 33, 1-13	3.3	25

117	Fiber-optic biosensor to assess circulating phagocyte activity by chemiluminescence. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1210-8	11.8	24
116	Novel on-demand bioadhesion to soft tissue in wet environments. <i>Macromolecular Bioscience</i> , 2014 , 14, 478-84	5.5	23
115	Label free and amplified detection of cancer marker EBNA-1 by DNA probe based biosensors. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 272-5	11.8	23
114	Profiling the native specific human humoral immune response to Sudan Ebola virus strain Gulu by chemiluminescence enzyme-linked immunosorbent assay. <i>Vaccine Journal</i> , 2012 , 19, 1844-52		23
113	Poly(dicarbazole-N-hydroxysuccinimide) film: a new polymer for the reagentless grafting of enzymes and redox mediators. <i>Electrochemistry Communications</i> , 2000 , 2, 827-831	5.1	23
112	Impedimetric quantification of anti-dengue antibodies using functional carbon nanotube deposits validated with blood plasma assays. <i>Electrochimica Acta</i> , 2018 , 274, 84-90	6.7	22
111	Amplified detection of femtomolar DNA based on a one-to-few recognition reaction between DNA-Au conjugate and target DNA. <i>Nanoscale</i> , 2014 , 6, 3110-5	7.7	22
110	Biosensors based on combined optical and electrochemical transduction for molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2011 , 11, 533-46	3.8	21
109	Metal-enhanced bioluminescence: An approach for monitoring biological luminescent processes. <i>Applied Physics Letters</i> , 2009 , 94, 083901	3.4	21
108	Miniaturized Flow Stacked Immunoassay for Detecting Escherichia coli in a Single Step. <i>Analytical Chemistry</i> , 2016 , 88, 6441-9	7.8	21
107	TEMPO-based immuno-lateral flow quantitative detection of dengue NS1 protein. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 354-363	8.5	20
106	Chemiluminescent optical fiber immunosensor detection of Brucella cells presenting smooth-A antigen. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 568-576	8.5	20
105	T7 phage display of Ep15 peptide for the detection of WNV IgG. <i>Journal of Virological Methods</i> , 2007 , 141, 133-40	2.6	20
104	Point-of-Care Surface Plasmon Resonance Biosensor for Stroke Biomarkers NT-proBNP and S100 β Using a Functionalized Gold Chip with Specific Antibody. <i>Sensors</i> , 2019 , 19,	3.8	19
103	Study of Immobilization Procedure on Silver Nanolayers and Detection of Estrone with Diverged Beam Surface Plasmon Resonance (SPR) Imaging. <i>Biosensors</i> , 2013 , 3, 157-70	5.9	19
102	UV and arsenate toxicity: a specific and sensitive yeast bioluminescence assay. <i>Cell Biology and Toxicology</i> , 2011 , 27, 227-36	7.4	19
101	Manufacturing of nanochannels with controlled dimensions using protease nanolithography. <i>Nano Letters</i> , 2005 , 5, 821-7	11.5	19
100	Electrogenerated Poly(Chiral Dicarbazole) Films for the Reagentless Grafting of Enzymes. <i>Electroanalysis</i> , 2000 , 12, 1107-1112	3	19

99	3D confined self-assembling of QD within super-engineering block copolymers as biocompatible superparticles enabling stimulus responsive solid state fluorescence. <i>Nano Research</i> , 2021 , 14, 285-294	10	19
98	Probing the toxicity mechanism of multiwalled carbon nanotubes on bacteria. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 5003-5012	5.1	19
97	Two-color, 30 second microwave-accelerated Metal-Enhanced Fluorescence DNA assays: a new Rapid Catch and Signal (RCS) technology. <i>Journal of Immunological Methods</i> , 2011 , 366, 1-7	2.5	18
96	Amperometric immunosensor for the detection of anti-West Nile virus IgG using a photoactive copolymer. <i>Enzyme and Microbial Technology</i> , 2007 , 40, 403-408	3.8	18
95	Characterization of thin poly(pyrrole-benzophenone) film morphologies electropolymerized on indium tin oxide coated optic fibers for electrochemical and optical biosensing. <i>Electrochimica Acta</i> , 2008 , 53, 5128-5135	6.7	18
94	Aptamer adaptive binding assessed by stilbene photoisomerization towards regenerating aptasensors. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 245-255	8.5	18
93	On-line biosensor for the detection of putative toxicity in water contaminants. <i>Talanta</i> , 2015 , 132, 583-90.2	17	17
92	Vibrio cholerae detection: Traditional assays, novel diagnostic techniques and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 79, 199-209	14.6	17
91	Tunable chemical release from polyester thin film by photocatalytic zinc oxide and doped LiYF4 upconverting nanoparticles. <i>Biomacromolecules</i> , 2015 , 16, 364-73	6.9	17
90	ATMP-induced three-dimensional conductive polymer hydrogel scaffold for a novel enhanced solid-state electrochemiluminescence biosensor. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111601	11.8	16
89	Impedance study of the hybrid molecule alginatePyrrole: Demonstration as host matrix for the construction of a highly sensitive amperometric glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 516-522	8.5	16
88	ITO pattern fabrication of glass platforms for electropolymerization of light sensitive polymer for its conjugation to bioreceptors on a micro-array. <i>Talanta</i> , 2008 , 75, 564-71	6.2	16
87	MoS2 quantum dots-combined zirconium-metalloporphyrin frameworks: Synergistic effect on electron transfer and application for bioassay. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 566-573	8.5	15
86	Biofunctionalization of multiwalled carbon nanotubes by irradiation of electropolymerized poly(pyrrole-diazirine) films. <i>Chemistry - A European Journal</i> , 2013 , 19, 9639-43	4.8	15
85	Immobilization strategies of Brucella particles on optical fibers for use in chemiluminescence immunosensors. <i>Talanta</i> , 2009 , 80, 338-45	6.2	15
84	Electrogenerated indium tin oxide-coated glass surface with photosensitive interfaces: surface analysis. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2230-6	11.8	15
83	Highly sensitive detection of paclitaxel by surface-enhanced Raman scattering. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 114019	1.7	14
82	Dissolvable Polyvinyl-Alcohol Film, a Time-Barrier to Modulate Sample Flow in a 3D-Printed Holder for Capillary Flow Paper Diagnostics. <i>Materials</i> , 2019 , 12,	3.5	14

81	Chemiluminescent optical fibre genosensor for porcine meat detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 868-874	8.5	13
80	Metal-enhanced fluorescence from zinc substrates can lead to spectral distortion and a wavelength dependence. <i>Applied Physics Letters</i> , 2015 , 106, 081605	3.4	13
79	Differentiation between viral and bacterial acute infections using chemiluminescent signatures of circulating phagocytes. <i>Analytical Chemistry</i> , 2011 , 83, 4258-65	7.8	13
78	Development of a chemiluminescent optical fiber immunosensor to detect <i>Streptococcus pneumoniae</i> antipolysaccharide antibodies. <i>Applied Biochemistry and Biotechnology</i> , 2000 , 89, 117-26	3.2	13
77	Enhanced Electrochemiluminescence of Porphyrin-Based Metal-Organic Frameworks Controlled via Coordination Modulation. <i>Analytical Chemistry</i> , 2020 , 92, 1916-1924	7.8	13
76	DNA origami nanorobot fiber optic genosensor to TMV. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 209-215	11.8	13
75	Hybrid multi-walled carbon nanotubes-alginate-polysulfone beads for adsorption of bisphenol-A from aqueous solution. <i>Desalination and Water Treatment</i> , 2015 , 54, 1167-1183		12
74	Multi-resistance as a tool for detecting novel beta-lactam antibiotics in the environment. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 342-348	8.5	12
73	Uniform and Easy-To-Prepare Glycopolymer-Brush Interface for Rapid Protein (Anti-)Adhesion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32366-32372	9.5	11
72	Fixed <i>Escherichia coli</i> bacterial templates enable the production of sensitive SERS-based gold nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2015 , 211, 213-219	8.5	11
71	Fiber-optic based cell sensors. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010 , 117, 131-54	1.7	11
70	Characterization of electrogenerated polypyrrole-benzophenone films coated on poly(pyrrole-methyl metacrylate) optic-conductive fibers. <i>Langmuir</i> , 2009 , 25, 10384-9	4	11
69	Synthesis, characterization and protein binding properties of supported dendrons. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6616		11
68	Fe-MOGs-based enzyme mimetic and its mediated electrochemiluminescence for in situ detection of HO released from Hela cells. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113216	11.8	11
67	Organic additives stabilize RNA aptamer binding of malachite green. <i>Talanta</i> , 2016 , 160, 172-182	6.2	11
66	Self-assembled photoadditives in polyester films allow stop and go chemical release. <i>Acta Biomaterialia</i> , 2017 , 54, 186-200	10.8	10
65	Novel Photochrome Aptamer Switch Assay (PHASA) for adaptive binding to aptamers. <i>Journal of Fluorescence</i> , 2014 , 24, 1581-91	2.4	10
64	Bioluminescence enhancement through an added washing protocol enabling a greater sensitivity to carbofuran toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 96, 61-6	7	10

63	Biofunctionalization of multiwalled carbon nanotubes by electropolymerized poly(pyrrole-concanavalin A) films. <i>Chemistry - A European Journal</i> , 2014 , 20, 13561-4	4.8	9
62	Electrochemical impedimetric detection of stroke biomarker NT-proBNP using disposable screen-printed gold electrodes. <i>The EuroBiotech Journal</i> , 2017 , 1, 165-176	1.5	9
61	Classification of infectious diseases based on chemiluminescent signatures of phagocytes in whole blood. <i>Artificial Intelligence in Medicine</i> , 2011 , 52, 153-63	7.4	9
60	Electrochemistry and chemiluminescence techniques compared in the detection of NADPH oxidase activity in phagocyte cells. <i>Talanta</i> , 2009 , 77, 1460-5	6.2	9
59	Preparation and characterization of a novel pyrrole-benzophenone copolymerized silica nanocomposite as a reagent in a visual immunologic-agglutination test. <i>Talanta</i> , 2008 , 75, 1324-31	6.2	9
58	Blood-Based Biomarkers Are Associated with Different Ischemic Stroke Mechanisms and Enable Rapid Classification between Cardioembolic and Atherosclerosis Etiologies. <i>Diagnostics</i> , 2020 , 10,	3.8	9
57	Calcium-alginate/carbon nanotubes/TiO composite beads for removal of bisphenol A. <i>Water Science and Technology</i> , 2016 , 74, 1585-1593	2.2	9
56	Development of a chemiluminescent DNA fibre optic genosensor to Hepatitis A Virus (HAV). <i>Talanta</i> , 2017 , 174, 401-408	6.2	8
55	Enhanced Colorimetric Signal for Accurate Signal Detection in Paper-Based Biosensors. <i>Diagnostics</i> , 2020 , 10,	3.8	8
54	Spectral Distortions in Metal-Enhanced Fluorescence: Experimental Evidence for Ultra-Fast and Slow Transitions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4723-4737	3.8	8
53	Influence of carbon-based nanomaterials on lux-bioreporter Escherichia coli. <i>Talanta</i> , 2014 , 126, 208-13	6.2	8
52	Mixed-metal substrates for applications in metal-enhanced fluorescence. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6179		8
51	Amperometric biosensor based on the electro-copolymerization of a conductive biotinylated-pyrrole and alginate-pyrrole. <i>Synthetic Metals</i> , 2009 , 159, 1117-1122	3.6	8
50	Parameters to consider in the construction of fiber-optic biosensors as alternative bioanalytical tools. <i>IEEE Instrumentation and Measurement Magazine</i> , 2009 , 12, 10-16	1.4	8
49	Nanostructured photoactivatable electrode surface based on pyrene diazirine. <i>Electrochemistry Communications</i> , 2017 , 80, 5-8	5.1	7
48	Development and Validation of an On-Line Water Toxicity Sensor with Immobilized Luminescent Bacteria for On-Line Surface Water Monitoring. <i>Sensors</i> , 2017 , 17,	3.8	7
47	Functional Mimetics of the HIV-1 CCR5 Co-Receptor Displayed on the Surface of Magnetic Liposomes. <i>PLoS ONE</i> , 2015 , 10, e0144043	3.7	7
46	New Photochrome Probe Allows Simultaneous pH and Microviscosity Sensing. <i>Journal of Fluorescence</i> , 2015 , 25, 961-72	2.4	7

45	Novel Anti-Adhesive Biomaterial Patches: Preventing Biofilm with Metal Complex Films (MCF) Derived from a Microalgal Polysaccharide. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500486	4.6	7
44	Use of Bamboo Powder Waste for Removal of Bisphenol A in Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	6
43	Chemiluminescent assay of phenol in wastewater using HRP-catalysed luminol oxidation with and without enhancers. <i>Analytical Methods</i> , 2014 , 6, 8654-8659	3.2	6
42	Increased bioassay sensitivity of bioactive molecule discovery using metal-enhanced bioluminescence. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	6
41	Luminol-dependent chemiluminescence of human phagocyte cell lines: comparison between DMSO differentiated PLB 985 and HL 60 cells. <i>Luminescence</i> , 2009 , 24, 171-7	2.5	6
40	Design and optimisation of Photochrome Aptamer Switch Assay (PHASA). <i>Analytica Chimica Acta</i> , 2019 , 1061, 134-141	6.6	5
39	Capture-Layer Lateral Flow Immunoassay: A New Platform Validated in the Detection and Quantification of Dengue NS1. <i>ACS Omega</i> , 2020 , 5, 10433-10440	3.9	5
38	New approach of constructing biosensing matrices by physical and chemical crosslinking of biotin-alginate with alginate-pyrrole. <i>Electrochimica Acta</i> , 2009 , 54, 4359-4364	6.7	5
37	Poly(methyl metacrylate) conductive fiber optic transducers as dual biosensor platforms. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3683-7	11.8	5
36	Dynamic component chemiluminescent sensor for assessing circulating polymorphonuclear leukocyte activity of peritoneal dialysis patients. <i>Analytical Chemistry</i> , 2008 , 80, 5131-8	7.8	5
35	Indoor air pollution and the contribution of biosensors. <i>The EuroBiotech Journal</i> , 2019 , 3, 19-31	1.5	5
34	B-Type Natriuretic Peptide as a Significant Brain Biomarker for Stroke Triaging Using a Bedside Point-of-Care Monitoring Biosensor. <i>Biosensors</i> , 2020 , 10,	5.9	5
33	Biochip based on arrays of switchable magnetic nano-traps. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 699-705	8.5	4
32	Optical immunosensor for endocrine disruptor nanolayer detection by surface plasmon resonance imaging 2011 ,		4
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