James F Rusling

List of Publications by Year
in descending order

291 papers	20,535 citations	8181 76 h-index	12946 131 g-index
304 all docs	304 docs citations	304 times ranked	16603 citing authors

#	Article	IF	Citations
1	Targeted Killing of Cancer Cells in Vivo and in Vitro with EGF-Directed Carbon Nanotube-Based Drug Delivery. ACS Nano, 2009, 3, 307-316.	14.6	796
2	Carbon Nanotube Amplification Strategies for Highly Sensitive Immunodetection of Cancer Biomarkers. Journal of the American Chemical Society, 2006, 128, 11199-11205.	13.7	668
3	Enzyme Bioelectrochemistry in Cast Biomembrane-Like Films. Accounts of Chemical Research, 1998, 31, 363-369.	15.6	529
4	Ultrasensitive Immunosensor for Cancer Biomarker Proteins Using Gold Nanoparticle Film Electrodes and Multienzyme-Particle Amplification. ACS Nano, 2009, 3, 585-594.	14.6	490
5	Direct Electrochemistry of Myoglobin and Cytochrome P450camin Alternate Layer-by-Layer Films with DNA and Other Polyions. Journal of the American Chemical Society, 1998, 120, 4073-4080.	13.7	484
6	Measurement of biomarker proteins for point-of-care early detection and monitoring of cancer. Analyst, The, 2010, 135, 2496.	3.5	469
7	Carbon Nanotubes for Electronic and Electrochemical Detection of Biomolecules. Advanced Materials, 2007, 19, 3214-3228.	21.0	460
8	Enhanced electron transfer for myoglobin in surfactant films on electrodes. Journal of the American Chemical Society, 1993, 115, 11891-11897.	13.7	456
9	Peroxidase activity of enzymes bound to the ends of single-wall carbon nanotube forest electrodes. Electrochemistry Communications, 2003, 5, 408-411.	4.7	397
10	Ultrasensitive Electrochemical Immunosensor for Oral Cancer Biomarker IL-6 Using Carbon Nanotube Forest Electrodes and Multilabel Amplification. Analytical Chemistry, 2010, 82, 3118-3123.	6.5	336
11	Electron Transfer from Electrodes to Myoglobin: Facilitated in Surfactant Films and Blocked by Adsorbed Biomacromolecules. Analytical Chemistry, 1995, 67, 2386-2392.	6.5	265
12	Proton-Coupled Electron Transfer from Electrodes to Myoglobin in Ordered Biomembrane-like Films. Journal of Physical Chemistry B, 1997, 101, 2224-2231.	2.6	245
13	Controlling the Active Sites of Sulfurâ€Doped Carbon Nanotubeâ€“Graphene Nanolobes for Highly Efficient Oxygen Evolution and Reduction Catalysis. Advanced Energy Materials, 2016, 6, 1501966.	19.5	242
14	Simultaneous Direct Electrochemiluminescence and Catalytic Voltammetry Detection of DNA in Ultrathin Films. Journal of the American Chemical Society, 2003, 125, 5213-5218.	13.7	240
15	Electroactive Myoglobin Films Grown Layer-by-Layer with Poly(styrenesulfonate) on Pyrolytic Graphite Electrodes. Langmuir, 2000, 16, 4969-4975.	3.5	224
16	Carbon Nanotube Microwell Array for Sensitive Electrochemiluminescent Detection of Cancer Biomarker Proteins. Analytical Chemistry, 2011, 83, 6698-6703.	6.5	217
17	Electrochemical and Electron Spectroscopic Studies of Highly Polished Glassy Carbon Electrodes. Analytical Chemistry, 1985, 57, 545-551.	6.5	215
18	Microfluidic electrochemical immunoarray for ultrasensitive detection of two cancer biomarker proteins in serum. Biosensors and Bioelectronics, 2011, 26, 4477-4483.	10.1	209

#	Article	IF	Citations
19	Heme Proteinâ^'Clay Films:Â Direct Electrochemistry and Electrochemical Catalysis. Langmuir, 2002, 18, 211-219.	3.5	208
20	Ligand-Free Noble Metal Nanocluster Catalysts on Carbon Supports via â€œSoftâ€•Nitriding. Journal of the American Chemical Society, 2016, 138, 4718-4721.	13.7	204
21	Controlling electrochemical catalysis with surfactant microstructures. Accounts of Chemical Research, 1991, 24, 75-81.	15.6	201
22	Electrochemical Catalysis of Styrene Epoxidation with Films of MnO2Nanoparticles and H2O2. Journal of the American Chemical Society, 2004, 126, 7676-7682.	13.7	195
23	Ultrasensitive Detection of Cancer Biomarkers in the Clinic by Use of a Nanostructured Microfluidic Array. Analytical Chemistry, 2012, 84, 6249-6255.	6.5	187
24	Attomolar Detection of a Cancer Biomarker Protein in Serum by Surface Plasmon Resonance Using Superparamagnetic Particle Labels. Angewandte Chemie - International Edition, 2011, 50, 1175-1178.	13.8	179
25	Robust Mesoporous Manganese Oxide Catalysts for Water Oxidation. ACS Catalysis, 2015, 5, 1693-1699.	11.2	178
26	Driving Forces for Layer-by-Layer Self-Assembly of Films of SiO2Nanoparticles and Heme Proteins. Langmuir, 2004, 20, 722-729.	3.5	175
27	Films of Manganese Oxide Nanoparticles with Polycations or Myoglobin from Alternate-Layer Adsorptionâ€. Langmuir, 2000, 16, 8850-8857.	3.5	165
28	Direct electron injection from electrodes to cytochrome P450cam in biomembrane-like films. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 1769-1774.	1.7	162
29	An amperometric biosensor with human CYP3A4 as a novel drug screening tool. Biochemical Pharmacology, 2003, 65, 1817-1826.	4.4	160
30	Direct Voltammetry and Catalysis withMycobacteriumtuberculosisCataseâ^'Peroxidase, Peroxidases, and Catalase in Lipid Films. Analytical Chemistry, 2002, 74, 163-170.	6.5	159
31	Toxicity Screening by Electrochemical Detection of DNA Damage by Metabolites Generated In Situ in Ultrathin DNAâ^'Enzyme Films. Journal of the American Chemical Society, 2003, 125, 1431-1436.	13.7	153
32	Nanostructured Immunosensor for Attomolar Detection of Cancer Biomarker Interleukinâ€8 Using Massively Labeled Superparamagnetic Particles. Angewandte Chemie - International Edition, 2011, 50, 7915-7918.	13.8	153
33	Catalytic Reduction of Organohalide Pollutants by Myoglobin in a Biomembrane-like Surfactant Film. Journal of the American Chemical Society, 1995, 117, 10986-10993.	13.7	151
34	COVID-19 Antibody Tests and Their Limitations. ACS Sensors, 2021, 6, 593-612.	7.8	150
35	Layer-by-Layer Assembly of Ultrathin Films of Hemoglobin and Clay Nanoparticles with Electrochemical and Catalytic Activity. Langmuir, 2002, 18, 8573-8579.	3.5	148
36	3D-printed supercapacitor-powered electrochemiluminescent protein immunoarray. Biosensors and Bioelectronics, 2016, 77, 188-193.	10.1	147

#	Article	IF	Citations
37	Single-Wall Carbon Nanotube Forest Arrays for Immunoelectrochemical Measurement of Four Protein Biomarkers for Prostate Cancer. Analytical Chemistry, 2009, 81, 9129-9134.	6.5	145
38	Site-selective orientated immobilization of antibodies and conjugates for immunodiagnostics development. Methods, 2017, 116, 95-111.	3.8	145
39	Electron Transfer between Electrodes and Heme Proteins in Proteinâ^'DNA Films. Journal of the American Chemical Society, 1996, 118, 3043-3044.	13.7	144
40	Ordered Electrochemically Active Films of Hemoglobin, Didodecyldimethylammonium Ions, and Clay. Langmuir, 1999, 15, 7022-7030.	3.5	143
41	Characterizing Materials with Cyclic Voltammetry. Advanced Materials, 1994, 6, 922-930.	21.0	134
42	Fe3O4 nanoparticles on graphene oxide sheets for isolation and ultrasensitive amperometric detection of cancer biomarker proteins. Biosensors and Bioelectronics, 2017, 91, 359-366.	10.1	134
43	Inkjet-printed gold nanoparticle electrochemical arrays on plastic. Application to immunodetection of a cancer biomarker protein. Physical Chemistry Chemical Physics, 2011, 13, 4888.	2.8	132
44	Composite Films of Surfactants, Nafion, and Proteins with Electrochemical and Enzyme Activity. Langmuir, 1996, 12, 5472-5480.	3.5	125
45	3D-Printed Fluidic Devices for Nanoparticle Preparation and Flow-Injection Amperometry Using Integrated Prussian Blue Nanoparticle-Modified Electrodes. Analytical Chemistry, 2015, 87, 5437-5443.	6.5	122
46	Direct Electrochemiluminescence Detection of Oxidized DNA in Ultrathin Films Containing [Os(bpy)2(PVP)10]2+. Journal of the American Chemical Society, 2004, 126, 8835-8841.	13.7	121
47	Electron transfer between myoglobin and electrodes in thin films of phosphatidylcholines and dihexadecylphosphate. Biophysical Chemistry, 1997, 63, 133-146.	2.8	117
48	Automated Multiplexed ECL Immunoarrays for Cancer Biomarker Proteins. Analytical Chemistry, 2015, 87, 4472-4478.	6.5	115
49	Multiplexed Electrochemical Protein Detection and Translation to Personalized Cancer Diagnostics. Analytical Chemistry, 2013, 85, 5304-5310.	6.5	113
50	Tunable mesoporous manganese oxide for high performance oxygen reduction and evolution reactions. Journal of Materials Chemistry A, 2016, 4, 620-631.	10.3	113
51	Designing nanomaterial-enhanced electrochemical immunosensors for cancer biomarker proteins. Bioelectrochemistry, 2009, 76, 189-194.	4.6	112
52	Protein immunosensor using single-wall carbon nanotube forests with electrochemical detection of enzyme labels. Molecular BioSystems, 2005, 1, 70.	2.9	108
53	On-line protein capture on magnetic beads for ultrasensitive microfluidic immunoassays of cancer biomarkers. Biosensors and Bioelectronics, 2014, 53, 268-274.	10.1	108
54	Detection of Chemically Induced DNA Damage in Layered Films by Catalytic Square Wave Voltammetry Using Ru(Bpy)32+. Analytical Chemistry, 2001, 73, 4780-4786.	6.5	106

#	Article	IF	Citations
55	Scanning Electrochemical Microscopy of Living Cells. 3.Rhodobactersphaeroides. Analytical Chemistry, 2002, 74, 114-119.	6.5	106
56	Electrochemiluminescent Arrays for Cytochrome P450-Activated Genotoxicity Screening. DNA Damage from Benzo[a]pyrene Metabolites. Analytical Chemistry, 2007, 79, 1897-1906.	6.5	106
57	Electrochemical immunosensors for interleukin-6. Comparison of carbon nanotube forest and gold nanoparticle platforms. Electrochemistry Communications, 2009, 11, 1009-1012.	4.7	106
58	Electrochemiluminescent immunosensor for detection of protein cancer biomarkers using carbon nanotube forests and [Ru-(bpy)3]2+-doped silica nanoparticles. Chemical Communications, 2009, , 4968.	4.1	104
59	Multiplexed Immunosensors and Immunoarrays. Analytical Chemistry, 2020, 92, 345-362.	6.5	102
60	Electrochemical catalysis with redox polymer and polyionâ€“protein films. Journal of Colloid and Interface Science, 2003, 262, 1-15.	9.4	101
61	Sensors for toxicity of chemicals and oxidative stress based on electrochemical catalytic DNA oxidation. Biosensors and Bioelectronics, 2004, 20, 1022-1028.	10.1	97
62	Optimization of Electrochemical and Peroxide-Driven Oxidation of Styrene with Ultrathin Polyion Films Containing Cytochrome P450cam and Myoglobin. ChemBioChem, 2003, 4, 82-89.	2.6	95
63	High-Throughput Electrochemical Microfluidic Immunoarray for Multiplexed Detection of Cancer Biomarker Proteins. ACS Sensors, 2016, 1, 1036-1043.	7.8	94
64	Biochemical applications of ultrathin films of enzymes, polyions and DNA. Chemical Communications, 2008, , 141-154.	4.1	93
65	Electrochemistry and Catalysis with Myoglobin in Hydrated Poly(ester sulfonic acid) Ionomer Films. Langmuir, 1997, 13, 4119-4125.	3.5	91
66	Resistive-pulse measurements with nanopipettes: detection of Au nanoparticles and nanoparticle-bound anti-peanut IgY. Chemical Science, 2013, 4, 655-663.	7.4	90
67	Ultrathin Films. DNA Damage from Methylating Agents and an Enzyme-Generated Epoxide. Analytical Chemistry, 2003, 75, 4229-4235.	6.5	88
68	Efficient Bioelectronic Actuation of the Natural Catalytic Pathway of Human Metabolic Cytochrome P450s. Journal of the American Chemical Society, 2011, 133, 1459-1465.	13.7	88
69	A microfluidic electrochemiluminescent device for detecting cancer biomarker proteins. Analytical and Bioanalytical Chemistry, 2013, 405, 3831-3838.	3.7	88
70	Ultrathin Grapheneâ€“Protein Supercapacitors for Miniaturized Bioelectronics. Advanced Energy Materials, 2017, 7, 1700358.	19.5	88
71	Multiplex Immunosensor Arrays for Electrochemical Detection of Cancer Biomarker Proteins. Electroanalysis, 2016, 28, 2644-2658.	2.9	84
72	Electroenzyme-Catalyzed Oxidation of Styrene andcis-Î²-Methylstyrene Using Thin Films of Cytochrome P450cam and Myoglobin. Langmuir, 1999, 15, 7372-7377.	3.5	82

#	Article	IF	Citations
73	Mediated amperometric immunosensing using single walled carbon nanotube forests. Analyst, The, 2004, 129, 1176.	3.5	81
74	Liquid/Liquid Interface as a Model System for Studying Electrochemical Catalysis in Microemulsions. Reduction of trans-1,2-Dibromocyclohexane with Vitamin B12. Journal of Physical Chemistry B, 1997, 101, 3202-3208.	2.6	80
75	Square Wave Voltammetric Detection of Chemical DNA Damage with Catalytic Poly(4-Vinylpyridine)â^'Ru(bpy)22+Films. Analytical Chemistry, 2002, 74, 4044-4049.	6.5	80
76	Epoxidation of styrene by human cyt P450 1A2 by thin film electrolysis and peroxide activation compared to solution reactions. Biophysical Chemistry, 2003, 104, 291-296.	2.8	77
77	Electrochemical Generation and Reactions of Ferrylmyoglobins in Water and Microemulsions. Journal of the American Chemical Society, 1997, 119, 3979-3986.	13.7	76
78	Surfactant-intercalated clay films for electrochemical catalysis. Reduction of trichloroacetic acid. Analytical Chemistry, 1991, 63, 2163-2168.	6.5	75
79	Paper-Based Electrochemiluminescent Screening for Genotoxic Activity in the Environment. Environmental Science & Technology, 2013, 47, 1937-1944.	10.0	74
80	Dechlorination of polychlorinated biphenyls by electrochemical catalysis in a bicontinuous microemulsion. Environmental Science & Technology, 1993, 27, 1375-1380.	10.0	72
81	Kinetic Control of Reactions of Electrogenerated Co(I) Macrocycles with Alkyl Bromides in a Bicontinuous Microemulsion. Journal of the American Chemical Society, 1995, 117, 1127-1134.	13.7	72
82	Fabrication of immunosensor microwell arrays from gold compact discs for detection of cancer biomarker proteins. Lab on A Chip, 2012, 12, 281-286.	6.0	72
83	Electron Transfer Reactions of Redox Cofactors in Spinach Photosystem I Reaction Center Protein in Lipid Films on Electrodes. Journal of the American Chemical Society, 2003, 125, 12457-12463.	13.7	71
84	Partial Surface Selenization of Cobalt Sulfide Microspheres for Enhancing the Hydrogen Evolution Reaction. ACS Catalysis, 2019, 9, 456-465.	11.2	71
85	Direct Electrochemistry of Cofactor Redox Sites in a Bacterial Photosynthetic Reaction Center Protein. Journal of the American Chemical Society, 1998, 120, 7371-7372.	13.7	69
86	Ultrathin Layered Myoglobinâ^'Polyion Films Functional and Stable at Acidic pH Values. Journal of the American Chemical Society, 2002, 124, 12515-12521.	13.7	69
87	3D-Printed Biosensor Arrays for Medical Diagnostics. Micromachines, 2018, 9, 394.	2.9	69
88	Electrochemical Immunosensors for Antibodies to Peanut Allergen Ara h2 Using Gold Nanoparticleâ^'Peptide Films. Analytical Chemistry, 2010, 82, 5865-5871.	6.5	68
89	Improved penicillin selective enzyme electrode. Analytical Chemistry, 1974, 46, 1955-1961.	6.5	67
90	Electroactive Coreâ^'Shell Nanocluster Films of Heme Proteins, Polyelectrolytes, and Silica Nanoparticles. Langmuir, 2004, 20, 10700-10705.	3.5	67

#	Article	IF	Citations
91	Automated 3D-printed unibody immunoarray for chemiluminescence detection of cancer biomarker proteins. Lab on A Chip, 2017, 17, 484-489.	6.0	66
92	A microfluidic electrochemical device for high sensitivity biosensing: Detection of nanomolar hydrogen peroxide. Electrochemistry Communications, 2009, 11, 819-822.	4.7	65
93	Voltammetric Sensor for Oxidized DNA Using Ultrathin Films of Osmium and Ruthenium Metallopolymers. Analytical Chemistry, 2004, 76, 5557-5563.	6.5	64
94	Determination of standard potentials and electron-transfer rates for halobiphenyls from electrocatalytic data. Analytical Chemistry, 1985, 57, 170-174.	6.5	63
95	Diffusion of micelle-bound molecules to electrodes in solutions of ionic surfactants. Analytical Chemistry, 1988, 60, 1260-1267.	6.5	63
96	Electrochemical properties of myoglobin embedded in Langmuirâ€“Blodgett and cast films of synthetic lipids. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1775-1782.	1.7	62
97	Nickel(II)meso-Tetraphenyl-Homoporphyrins, -secochlorins, and -chlorophin:Â Control of Redox Chemistry by Macrocycle Rigidity. Journal of the American Chemical Society, 2000, 122, 6679-6685.	13.7	62
98	New and emerging technologies for genetic toxicity testing. Environmental and Molecular Mutagenesis, 2011, 52, 205-223.	2.2	62
99	Disposable inkjet-printed electrochemical platform for detection of clinically relevant HER-2 breast cancer biomarker. Biosensors and Bioelectronics, 2018, 104, 158-162.	10.1	62
100	Orientation of myoglobin in cast multibilayer membranes of amphiphilic molecules. The Journal of Physical Chemistry, 1995, 99, 11013-11017.	2.9	61
101	Bioelectronic Delivery of Electrons to Cytochrome P450 Enzymes. Journal of Physical Chemistry B, 2011, 115, 8371-8380.	2.6	61
102	Dechlorination of Polychlorinated Biphenyls on Soils and Clay by Electrolysis in a Bicontinuous Microemulsion. Environmental Science & Technology, 1995, 29, 1195-1199.	10.0	60
103	Developing Microfluidic Sensing Devices Using 3D Printing. ACS Sensors, 2018, 3, 522-526.	7.8	60
104	Bicontinuous microemulsions as media for electrochemical studies. Analytical Chemistry, 1990, 62, 644-649.	6.5	59
105	Wiring of Enzymes to Electrodes by Ultrathin Conductive Polyion Underlayers:Â Enhanced Catalytic Response to Hydrogen Peroxide. Analytical Chemistry, 2003, 75, 4565-4571.	6.5	59
106	Sensitive electrochemical immunosensor for matrix metalloproteinase-3 based on single-wall carbon nanotubes. Analyst, The, 2010, 135, 1345.	3.5	57
107	Electrochemistry-based approaches to low cost, high sensitivity, automated, multiplexed protein immunoassays for cancer diagnostics. Analyst, The, 2016, 141, 536-547.	3.5	57
108	Protein Film Electrochemistry of Microsomes Genetically Enriched in Human Cytochrome P450 Monooxygenases. Journal of the American Chemical Society, 2005, 127, 13460-13461.	13.7	56

#	Article	IF	Citations
109	Magnetic particles in ultrasensitive biomarker protein measurements for cancer detection and monitoring. Expert Opinion on Medical Diagnostics, 2011, 5, 381-391.	1.6	55
110	High sensitivity carbon nanotube based electrochemiluminescence sensor array. Biosensors and Bioelectronics, 2012, 31, 233-239.	10.1	55
111	Nickel(II) Complexes with Tetra- and Pentadentate Aminopyridine Ligands:Â Synthesis, Structure, Electrochemistry, and Reduction to Nickel(I) Species. Inorganic Chemistry, 2002, 41, 923-930.	4.0	54
112	Synergistic Metabolic Toxicity Screening Using Microsome/DNA Electrochemiluminescent Arrays and Nanoreactors. Analytical Chemistry, 2008, 80, 5279-5285.	6.5	54
113	Automated 3D-Printed Microfluidic Array for Rapid Nanomaterial-Enhanced Detection of Multiple Proteins. Analytical Chemistry, 2018, 90, 7569-7577.	6.5	54
114	Nanomaterials and biomaterials in electrochemical arrays for protein detection. Journal of Materials Chemistry B, 2014, 2, 12-30.	5.8	53
115	An Ultraâ€Shapeable, Smart Sensing Platform Based on a Multimodal Ferrofluidâ€Infused Surface. Advanced Materials, 2019, 31, e1807201.	21.0	53
116	3D-printed miniaturized fluidic tools in chemistry and biology. TrAC - Trends in Analytical Chemistry, 2018, 106, 37-52.	11.4	52
117	High-speed multilayer film assembly by alternate adsorption of silica nanoparticles and linear polycation. Chemical Communications, 1998, , 1229-1230.	4.1	51
118	Cancer Diagnostics via Ultrasensitive Multiplexed Detection of Parathyroid Hormone-Related Peptides with a Microfluidic Immunoarray. Analytical Chemistry, 2016, 88, 9269-9275.	6.5	51
119	3D-printed bioanalytical devices. Nanotechnology, 2016, 27, 284002.	2.6	51
120	Nanomaterialsâ€based electrochemical immunosensors for proteins. Chemical Record, 2012, 12, 164-176.	5.8	49
121	Highly Efficient Binding of Paramagnetic Beads Bioconjugated with 100â€‰000 or More Antibodies to Protein-Coated Surfaces. Analytical Chemistry, 2012, 84, 10485-10491.	6.5	48
122	Biocatalytic anode for glucose oxidation utilizing carbon nanotubes for direct electron transfer with glucose oxidase. Electrochemistry Communications, 2009, 11, 2004-2007.	4.7	46
123	Gold Nanoparticles with Externally Controlled, Reversible Shifts of Local Surface Plasmon Resonance Bands. Langmuir, 2009, 25, 13120-13124.	3.5	46
124	Ultrasensitive microfluidic array for serum pro-inflammatory cytokines and C-reactive protein to assess oral mucositis risk in cancer patients. Analytical and Bioanalytical Chemistry, 2015, 407, 7239-7243.	3.7	46
125	Electrochemiluminescent/voltammetric toxicity screening sensor using enzyme-generated DNA damage. Biosensors and Bioelectronics, 2007, 23, 492-498.	10.1	45
126	Electrochemiluminescence at Bare and DNA-Coated Graphite Electrodes in 3D-Printed Fluidic Devices. ACS Sensors, 2016, 1, 197-202.	7.8	45

#	Article	IF	Citations
127	Influence of antibody immobilization strategy on carbon electrode immunoarrays. Analyst, The, 2019, 144, 5108-5116.	3.5	45
128	THIN FILMS ON ELECTRODES FOR DIRECT PROTEIN ELECTRON TRANSFER. , 2001, , 33-71.		45
129	Carbonâ^'Carbon Bond Formation by Electrochemical Catalysis in Conductive Microemulsions. Journal of Organic Chemistry, 1996, 61, 5972-5977.	3.2	44
130	Quantitative Measurement of DNA Adducts Using Neutral Hydrolysis and LCâ^'MS. Validation of Genotoxicity Sensors. Analytical Chemistry, 2005, 77, 2056-2062.	6.5	44
131	Antibody-like Biorecognition Sites for Proteins from Surface Imprinting on Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 28197-28206.	8.0	44
132	Covalently Linked Scaffold of Cobalt Corrins on Graphite for Electrochemical Catalysis in Microemulsions. Journal of the American Chemical Society, 1999, 121, 2909-2914.	13.7	43
133	Rapid Microfluidic Immunoassays of Cancer Biomarker Proteins Using Disposable Inkjetâ€Printed Gold Nanoparticle Arrays. ChemistryOpen, 2013, 2, 141-145.	1.9	43
134	Detecting cancer metastasis and accompanying protein biomarkers at single cell levels using a 3D-printed microfluidic immunoarray. Biosensors and Bioelectronics, 2021, 171, 112681.	10.1	43
135	Radical vs Anionic Pathway in Mediated Electrochemical Reduction of Benzyl Bromide in a Bicontinuous Microemulsion. Langmuir, 1996, 12, 3067-3074.	3.5	42
136	Genotoxicity screening for N-nitroso compounds. Electrochemical and electrochemiluminescent detection of human enzyme-generated DNA damage from N-nitrosopyrrolidine. Chemical Communications, 2007, , 1713.	4.1	42
137	All printable snow-based triboelectric nanogenerator. Nano Energy, 2019, 60, 17-25.	16.0	42
138	Exposure, health effects, sensing, and remediation of the emerging PFAS contaminants â€“ Scientific challenges and potential research directions. Science of the Total Environment, 2021, 780, 146399.	8.0	42
139	Removal of Chloride from 4â€Chlorobiphenyl and 4,4â€²â€Dichlorobiphenyl by Electrocatalytic Reduction. Journal of the Electrochemical Society, 1983, 130, 1120-1121.	2.9	41
140	Sequential Layer Analysis of Protein Immunosensors Based on Single Wall Carbon Nanotube Forests. Langmuir, 2010, 26, 15050-15056.	3.5	41
141	Charge-Dependent Sidedness of Cytochrome P450 Forms Studied by Quartz Crystal Microbalance and Atomic Force Microscopy. Archives of Biochemistry and Biophysics, 2001, 385, 78-87.	3.0	40
142	Fast nucleation for silica nanoparticle synthesis using a solâ€“gel method. Nanoscale, 2016, 8, 19662-19667.	5.6	40
143	Applications of polyion films containing biomolecules to sensing toxicity. Faraday Discussions, 2000, 116, 77-87.	3.2	39
144	Resistive-Pulse Measurements with Nanopipettes: Detection of Vascular Endothelial Growth Factor C (VEGF-C) Using Antibody-Decorated Nanoparticles. Analytical Chemistry, 2015, 87, 6403-6410.	6.5	39

#	Article	IF	Citations
145	Unconventional structural and morphological transitions of nanosheets, nanoflakes and nanorods of AuNP@MnO₂. Journal of Materials Chemistry A, 2016, 4, 6447-6455.	10.3	39
146	Automated 3-D Printed Arrays to Evaluate Genotoxic Chemistry: E-Cigarettes and Water Samples. ACS Sensors, 2017, 2, 670-678.	7.8	39
147	Oscillating Formation of 8-Oxoguanine during DNA Oxidation. Journal of the American Chemical Society, 2003, 125, 6604-6605.	13.7	37
148	Myoglobin retains iron heme and near-native conformation in DDAB films prepared from pH 5 to 7 dispersions. Electrochemistry Communications, 2006, 8, 455-459.	4.7	37
149	Thin Film Voltammetry of Spinach Photosystem II. Proton-Gated Electron Transfer Involving the Mn4Cluster. Journal of the American Chemical Society, 2006, 128, 14930-14937.	13.7	36
150	Highly sensitive and reusable Pt-black microfluidic electrodes for long-term electrochemical sensing. Biosensors and Bioelectronics, 2010, 26, 682-688.	10.1	36
151	Evaluating Enzymes That Generate Genotoxic Benzo[a]pyrene Metabolites Using Sensor Arrays. Analytical Chemistry, 2005, 77, 1361-1367.	6.5	35
152	Enzymeâ˜DNA Biocolloids for DNA Adduct and Reactive Metabolite Detection by Chromatographyâ˜Mass Spectrometry. Analytical Chemistry, 2008, 80, 922-932.	6.5	35
153	Genotoxicity Screening Using Biocatalyst/DNA Films and Capillary LCâ˜MS/MS. Analytical Chemistry, 2006, 78, 624-627.	6.5	34
154	Green synthesis via electrolysis in microemulsions. Pure and Applied Chemistry, 2001, 73, 1895-1905.	1.9	33
155	Catalytic square-wave voltammetric detection of DNA with reversible metallopolymer-coated electrodes. Electrochemistry Communications, 2001, 3, 406-409.	4.7	33
156	Colloids, helices, and patterned films made from heme proteins and manganese oxide. Chemical Communications, 2002, , 2254-2255.	4.1	33
157	Characterization of Multienzyme-Antibody-Carbon Nanotube Bioconjugates for Immunosensors. Journal of Nanoscience and Nanotechnology, 2009, 9, 249-255.	0.9	33
158	Microfluidic Electrochemical Array for Detection of Reactive Metabolites Formed by Cytochrome P450 Enzymes. Analytical Chemistry, 2011, 83, 9499-9506.	6.5	32
159	Glucose biosensor based on open-source wireless microfluidic potentiostat. Sensors and Actuators B: Chemical, 2019, 290, 616-624.	7.8	32
160	3D-Printed Immunosensor Arrays for Cancer Diagnostics. Sensors, 2020, 20, 4514.	3.8	32
161	Electrochemical Catalysis of a 5-Endo-Trig Cyclization in Bicontinuous Microemulsions. Journal of Organic Chemistry, 1998, 63, 218-219.	3.2	31
162	Metabolic Toxicity Screening Using Electrochemiluminescence Arrays Coupled with Enzyme-DNA Biocolloid Reactors and Liquid Chromatographyâ€“Mass Spectrometry. Annual Review of Analytical Chemistry, 2012, 5, 79-105.	5.4	31

#	Article	IF	Citations
163	DSG3 as a biomarker for the ultrasensitive detection of occult lymph node metastasis in oral cancer using nanostructured immunoarrays. Oral Oncology, 2013, 49, 93-101.	1.5	31
164	Paper-based electrochemical immunoassay for rapid, inexpensive cancer biomarker protein detection. Analytical Methods, 2014, 6, 8878-8881.	2.7	31
165	Elucidating organ-specific metabolic toxicity chemistry from electrochemiluminescent enzyme/DNA arrays and bioreactor bead-LC-MS/MS. Chemical Science, 2015, 6, 2457-2468.	7.4	30
166	Bioconjugation of Antibodies and Enzyme Labels onto Magnetic Beads. Methods in Enzymology, 2016, 571, 135-150.	1.0	30
167	Electrochemiluminescent Array to Detect Oxidative Damage in ds-DNA Using [Os(bpy)₂(phen-benz-COOH)]²⁺/Nafion/Graphene Films. ACS Sensors, 2016, 1, 272-278.	7.8	30
168	Vitamin B12-mediated electrochemical cyclopropanation of styrene. Electrochemistry Communications, 2001, 3, 733-736.	4.7	29
169	Control of Electrochemical and Ferryloxy Formation Kinetics of Cyt P450s in Polyion Films by Heme Iron Spin State and Secondary Structure. Journal of the American Chemical Society, 2009, 131, 16215-16224.	13.7	29
170	Differences in Metabolite-Mediated Toxicity of Tamoxifen in Rodents versus Humans Elucidated with DNA/Microsome Electro-Optical Arrays and Nanoreactors. Chemical Research in Toxicology, 2009, 22, 341-347.	3.3	29
171	Evaluation of Electrochemiluminescent Metabolic Toxicity Screening Arrays Using a Multiple Compound Set. Analytical Chemistry, 2011, 83, 2754-2760.	6.5	29
172	High-throughput metabolic genotoxicity screening with a fluidic microwell chip and electrochemiluminescence. Lab on A Chip, 2013, 13, 4554.	6.0	29
173	Enhanced Rates of Organic Dehalogenations in a Microemulsion Using Adsorbed Metal Phthalocyanines on Electrodes. Langmuir, 1996, 12, 2645-2649.	3.5	28
174	Amphiphilic Ferrocene Alcohols as Electroactive Probes in Micellar Solutions and Microemulsions. Langmuir, 1997, 13, 3693-3699.	3.5	28
175	Enzyme-like Kinetics of Ferryloxy Myoglobin Formation in Films on Electrodes in Microemulsions. Journal of Physical Chemistry B, 2005, 109, 24457-24464.	2.6	27
176	Rapid LC-MS Drug Metabolite Profiling Using Microsomal Enzyme Bioreactors in a Parallel Processing Format. Analytical Chemistry, 2009, 81, 9921-9929.	6.5	27
177	Oxidised guanidinohydantoin (Ghox) and spiroiminodihydantoin (Sp) are major products of iron- and copper-mediated 8-oxo-7,8-dihydroguanine and 8-oxo-7,8-dihydro-2â€²-deoxyguanosine oxidation. Molecular BioSystems, 2005, 1, 373-381.	2.9	26
178	Protecting Peroxidase Activity of Multilayer Enzyme-Polyion Films Using Outer Catalase Layers. Journal of Physical Chemistry B, 2007, 111, 14378-14386.	2.6	26
179	Detection of labeled abasic sites in damaged DNA by capillary electrophoresis with laser-induced fluorescence. Analytical and Bioanalytical Chemistry, 2007, 387, 1883-1890.	3.7	26
180	Accessible Telemedicine Diagnostics with ELISA in a 3D Printed Pipette Tip. Analytical Chemistry, 2019, 91, 7394-7402.	6.5	26

#	Article	IF	Citations
181	Enhanced Rates of Electrolytic Styrene Epoxidation Catalyzed by Cross-Linked Myoglobin-Poly(l-lysine) Films in Bicontinuous Microemulsions. Langmuir, 2004, 20, 10943-10948.	3.5	25
182	Ultrasensitive carbohydrate-peptide SPR imaging microarray for diagnosing IgE mediated peanut allergy. Analyst, The, 2014, 139, 5728-5733.	3.5	25
183	Direct LC-MS/MS Detection of Guanine Oxidations in Exon 7 of the p53 Tumor Suppressor Gene. Analytical Chemistry, 2017, 89, 12872-12879.	6.5	25
184	Electron Transfer Rates in Electroactive Films from Normal Pulse Voltammetry. Myoglobin-Surfactant Films. Langmuir, 1994, 10, 2800-2806.	3.5	24
185	Salt and pH effects on electrochemistry of myoglobin in thick films of a bilayer-forming surfactant. Biophysical Chemistry, 1997, 67, 107-116.	2.8	24
186	Influence of Surfactant-based Microheterogeneous Fluids on Aggregation of Copper Phthalocyanine Tetrasulfonate. Journal of Porphyrins and Phthalocyanines, 1999, 03, 188-195.	0.8	24
187	Studies of DNA Damage Inhibition by Dietary Antioxidants Using Metallopolyion/DNA Sensors. Electroanalysis, 2006, 18, 327-332.	2.9	24
188	Electrochemical Genotoxicity Screening for Arylamines Bioactivated by N-Acetyltransferase. Analytical Chemistry, 2008, 80, 1192-1200.	6.5	24
189	Controlling Catalytic Activity of a Polyion Scaffold on an Electrode via Microemulsion Composition. Journal of the American Chemical Society, 2000, 122, 6459-6463.	13.7	23
190	State-of-the-Art Metabolic Toxicity Screening and Pathway Evaluation. Analytical Chemistry, 2016, 88, 4584-4599.	6.5	23
191	Albumin removal from human serum using surface nanopockets on silica-coated magnetic nanoparticles. Chemical Communications, 2017, 53, 9254-9257.	4.1	23
192	Measuring DNA Nucleobase Adducts Using Neutral Hydrolysis and Liquid Chromatography-Mass Spectrometry. Critical Reviews in Eukaryotic Gene Expression, 2005, 15, 295-316.	0.9	23
193	Nonlinear regression analysis of steady-state voltammograms obtained at microelectrodes. Electroanalysis, 1989, 1, 141-149.	2.9	22
194	Myoglobin Coadsorbed on Electrodes from Microemulsions Provides Reversible Electrochemistry and Tunable Electrochemical Catalysis. Langmuir, 2003, 19, 6976-6981.	3.5	22
195	Genotoxicity sensor response correlated with DNA nucleobase damage rates measured by LC-MS. Molecular BioSystems, 2005, 1, 251.	2.9	22
196	Thermostable Peroxidaseâ"Polylysine Films for Biocatalysis at 90 Â°C. Journal of Physical Chemistry B, 2007, 111, 9125-9131.	2.6	22
197	Thin multicomponent films for functional enzyme devices and bioreactor particles. Soft Matter, 2014, 10, 8145-8156.	2.7	22
198	Prostate Cancer Diagnosis in the Clinic Using an 8-Protein Biomarker Panel. Analytical Chemistry, 2021, 93, 1059-1067.	6.5	22

#	Article	IF	Citations
199	Catalytic Electrochemical Synthesis Using Nanocrystalline Titanium Dioxide Cathodes in Microemulsions. Langmuir, 1998, 14, 7027-7033.	3.5	21
200	Surfactant-free emulsion electrosynthesis via power ultrasound: electrocatalytic formation of carbonâ€“carbon bonds. Green Chemistry, 2002, 4, 570-577.	9.0	21
201	Microsome Biocolloids for Rapid Drug Metabolism and in hibition Assessment by LC-MS. Drug Metabolism Letters, 2008, 2, 158-162.	0.8	21
202	Evaluating Metabolite-Related DNA Oxidation and Adduct Damage from Aryl Amines Using a Microfluidic ECL Array. Analytical Chemistry, 2017, 89, 12441-12449.	6.5	21
203	Electrochemical reactions of redox cofactors in Rhodobacter sphaeroides reaction center proteins in lipid films. Bioelectrochemistry, 2001, 54, 145-150.	4.6	20
204	High-Throughput Metabolic Toxicity Screening Using Magnetic Biocolloid Reactors and LCâ^'MS/MS. Analytical Chemistry, 2010, 82, 10172-10178.	6.5	20
205	Thin film voltammetry of metabolic enzymes in rat liver microsomes. Electrochemistry Communications, 2007, 9, 2359-2363.	4.7	19
206	Automated 4-sample protein immunoassays using 3D-printed microfluidics. Analytical Methods, 2018, 10, 4000-4006.	2.7	19
207	Printed Electrodes in Microfluidic Arrays for Cancer Biomarker Protein Detection. Biosensors, 2020, 10, 115.	4.7	19
208	Sub-zeptomole Detection of Biomarker Proteins Using a Microfluidic Immunoarray with Nanostructured Sensors. Analytical Chemistry, 2020, 92, 8021-8025.	6.5	19
209	Ultrasensitive nanostructured immunosensor for stem and carcinoma cell pluripotency gatekeeper protein NANOG. Nanomedicine, 2012, 7, 957-965.	3.3	18
210	Sodium hydroxide catalyzed monodispersed high surface area silica nanoparticles. Materials Research Express, 2016, 3, 075025.	1.6	18
211	Influence of Thickness on Catalytic Efficiency of Cobalt Corrin-Polyion Scaffolds on Electrodes in Microemulsions. Langmuir, 2001, 17, 3447-3453.	3.5	17
212	Rapid labelâ€free profiling of oral cancer biomarker proteins using nanoâ€UPLCâ€Qâ€TOF ion mobility mass spectrometry. Proteomics - Clinical Applications, 2016, 10, 280-289.	1.6	17
213	Effect of background charge on estimating diffusion coefficients by chronocoulometry at glassy carbon electrodes. Electroanalysis, 1991, 3, 735-739.	2.9	16
214	Pollutant Decomposition with Simultaneous Generation of Hydrogen and Electricity in a Photogalvanic Reactor. Journal of the Electrochemical Society, 1997, 144, 3153-3158.	2.9	16
215	Accurate DNA Fragment Sizing by Capillary Electrophoresis with Laser-Induced Fluorescence Array for Detection of Sequence Specificity of DNA Damage. Analytical Chemistry, 2008, 80, 2212-2221.	6.5	16
216	Screening reactive metabolites bioactivated by multiple enzyme pathways using a multiplexed microfluidic system. Analyst, The, 2013, 138, 171-178.	3.5	16

#	Article	IF	Citations
217	Oxidation Chemistry of DNA and p53 Tumor Suppressor Gene. ChemistryOpen, 2019, 8, 252-265.	1.9	16
218	Toxicity screening using biosensors that measure DNA damage. Current Opinion in Drug Discovery & Development, 2007, 10, 67-73.	1.9	16
219	Electroactive Films of Alternately Layered Polycations and Ironâ€“Sulfur Protein Putidaredoxin on Gold. Journal of Colloid and Interface Science, 2000, 224, 162-168.	9.4	15
220	Reversible electrochemistry and catalysis with Mycobacterium tuberculosis catalase-peroxidase in lipid films. Chemical Communications, 2001, , 177-178.	4.1	15
221	Co-operative motion of multiple benzoquinone disks at the airâ€“water interface. Physical Chemistry Chemical Physics, 2015, 17, 29891-29898.	2.8	15
222	Epitopeâ€Resolved Detection of Peanutâ€Specific IgE Antibodies by Surface Plasmon Resonance Imaging. ChemBioChem, 2018, 19, 199-202.	2.6	15
223	Characterizing Metabolic Inhibition Using Electrochemical Enzyme/DNA Biosensors. Analytical Chemistry, 2009, 81, 716-724.	6.5	14
224	Human cyt P450 mediated metabolic toxicity of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) evaluated using electrochemiluminescent arrays. Molecular BioSystems, 2009, 5, 163-169.	2.9	14
225	Thermal- and Magnetic-Sensitive Particle Flocking Motion at the Airâ€“Water Interface. Journal of Physical Chemistry B, 2019, 123, 3832-3840.	2.6	14
226	Biosensors Designed for Clinical Applications. Biomedicines, 2021, 9, 702.	3.2	14
227	Electrochemical Phase-Transfer Catalysis in Microemulsions:Â Carbene Formation. Langmuir, 1999, 15, 7416-7417.	3.5	13
228	Assessing DNA damage from enzyme-oxidized single-walled carbon nanotubes. Toxicology Research, 2013, 2, 375-378.	2.1	13
229	Multiplexed Electrochemical Cancer Diagnostics With Automated Microfluidics. Electroanalysis, 2019, 31, 208-211.	2.9	13
230	Modeling Square-Wave Voltammetry of Thin Protein Films Using Marcus Theory. Journal of Physical Chemistry B, 2001, 105, 6142-6147.	2.6	12
231	Improved Detection Limit and Stability of Amperometric Carbon Nanotubeâ€Based Immunosensors by Crosslinking Antibodies with Polylysine. Electroanalysis, 2008, 20, 115-122.	2.9	12
232	Thermostable Biocatalytic Films of Enzymes and Polylysine on Electrodes and Nanoparticles in Microemulsions. Langmuir, 2008, 24, 10365-10370.	3.5	12
233	Electrochemical Activation of the Natural Catalytic Cycle of Cytochrome P450s in Human Liver Microsomes. Electroanalysis, 2012, 24, 2049-2052.	2.9	12
234	Voltammetric Microwell Array for Oxidized Guanosine in Intact ds-DNA. Analytical Chemistry, 2013, 85, 11061-11067.	6.5	12

#	Article	IF	Citations
235	Genotoxicity-Related Chemistry of Human Metabolites of Benzo[ghi]perylene (B[ghi]P) Investigated using Electro-Optical Arrays and DNA/Microsome Biocolloid Reactors with LC-MS/MS. Chemical Research in Toxicology, 2013, 26, 1229-1239.	3.3	12
236	Electrocatalytic Oxidation of Alcohols, Tripropylamine, and DNA with Ligandâ€Free Gold Nanoclusters on Nitrided Carbon. ChemElectroChem, 2016, 3, 2100-2109.	3.4	12
237	Gold nanocatalysts supported on carbon for electrocatalytic oxidation of organic molecules including guanines in DNA. Dalton Transactions, 2018, 47, 14139-14152.	3.3	11
238	Particle Flock Motion at Airâ€“Water Interface Driven by Interfacial Free Energy Foraging. Langmuir, 2019, 35, 11066-11070.	3.5	11
239	Metabolites of Tobacco- and E-Cigarette-Related Nitrosamines Can Drive Cu2+-Mediated DNA Oxidation. Chemical Research in Toxicology, 2020, 33, 2072-2086.	3.3	11
240	Computerized interpretation of electrochemical data using deviation-pattern recognition. TrAC - Trends in Analytical Chemistry, 1984, 3, 91-94.	11.4	10
241	Magnetic Nanoparticles with Surface Nanopockets for Highly Selective Antibody Isolation. ACS Applied Bio Materials, 2021, 4, 6157-6166.	4.6	10
242	Resolution of ascorbic acid or catecholamine and indole alkaloid mixtures by pulse voltammetry at highly polished glassy carbon. Electroanalysis, 1994, 6, 445-450.	2.9	9
243	Influence of Microemulsions on Enantioselective Synthesis of (R)-Cyclopent-2-enol Catalyzed by Vitamin B12. Langmuir, 2006, 22, 5289-5293.	3.5	9
244	Microemulsion-Controlled Reaction Sites in Biocatalytic Films for Electrochemical Reduction of Vicinal Dibromides. Langmuir, 2006, 22, 10788-10795.	3.5	9
245	Microfluidic array for simultaneous detection of DNA oxidation and DNA-adduct damage. Analyst, The, 2016, 141, 5722-5729.	3.5	9
246	Folding Control and Unfolding Free Energy of Yeast Iso-1-cytochrome c Bound to Layered Zirconium Phosphate Materials Monitored by Surface Plasmon Resonance. Journal of Physical Chemistry B, 2008, 112, 9201-9208.	2.6	8
247	Long Distance Electron Transfer Across >100â€…nm Thick Au Nanoparticle/Polyion Films to a Surface Redox Protein. Electroanalysis, 2012, 24, 1129-1140.	2.9	8
248	Low-Cost Photolithographic Fabrication of Nanowires and Microfilters for Advanced Bioassay Devices. Sensors, 2015, 15, 6091-6104.	3.8	8
249	Chemical selectivity of nucleobase adduction relative to in vivo mutation sites on exon 7 fragment of p53 tumor suppressor gene. Chemical Science, 2015, 6, 5554-5563.	7.4	8
250	Screening Genotoxicity Chemistry with Microfluidic Electrochemiluminescent Arrays. Sensors, 2017, 17, 1008.	3.8	8
251	Restricted Proteolysis and LC-MS/MS To Evaluate the Orientation of Surface-Immobilized Antibodies. Analytical Chemistry, 2019, 91, 4913-4919.	6.5	8
252	Electrochemical biosensor featuring a two-enzyme pathway and DNA for screening toxic reactive metabolites of arylamines. Chemical Communications, 2008, , 4354.	4.1	7

#	Article	IF	Citations
253	Screening for reactive metabolites using electro-optical arrays featuring human liver cytosol and microsomal enzyme sources and DNA. Chemical Communications, 2009, , 5386.	4.1	7
254	Efficient Photoelectrochemical Energy Conversion using Spinach Photosystemâ€...II (PSII) in Lipid Multilayer Films. ChemistryOpen, 2015, 4, 111-114.	1.9	7
255	Pathways of Metabolite-Related Damage to a Synthetic p53 Gene Exon 7 Oligonucleotide Using Magnetic Enzyme Bioreactor Beads and LCâ€“MS/MS Sequencing. Biochemistry, 2018, 57, 3883-3893.	2.5	7
256	Comparison of DNAâ€Reactive Metabolites from Nitrosamine and Styrene Using Voltammetric DNA/Microsomes Sensors. Electroanalysis, 2009, 21, 1005-1013.	2.9	6
257	Modern approaches to chemical toxicity screening. Current Opinion in Electrochemistry, 2017, 3, 18-22.	4.8	6
258	Cancer diagnostics. Journal of Materials Chemistry B, 2018, 6, 2507-2509.	5.8	6
259	A novel and accurate microfluidic assay of CD62L in bladder cancer serum samples. Analyst, The, 2018, 143, 5505-5511.	3.5	6
260	Novel epoxy-silica nanoparticles to develop non-enzymatic colorimetric probe for analytical immuno/bioassays. Analytica Chimica Acta, 2018, 1028, 77-85.	5.4	6
261	Electrochemical catalysis by crosslinked films of cobalt reconstituted myoglobin and poly(l-lysine) in a bicontinuous microemulsion. Journal of Electroanalytical Chemistry, 2005, 581, 139-144.	3.8	5
262	Thin Iron Heme Enzyme Films on Electrodes and Nanoparticles for Biocatalysis. , 2013, , 125-147.		5
263	Electrochemiluminescence Arrays for Studies of Metaboliteâ€related Toxicity. Electroanalysis, 2016, 28, 2636-2643.	2.9	5
264	A thermodynamic analysis of end-directed particle flocking in chemical systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 106, 106107.	3.3	5
265	Voltammetric measurement of Michaelisâ€“Menten kinetics for a protein in a lipid film reacting with a protein in solution. Electrochemistry Communications, 2005, 7, 223-226.	4.7	4
266	Chapter 4. Single-wall Carbon Nanotube Forests in Biosensors. , 0, , 94-118.		4
267	Steps along the road to electrochemical devices for early cancer diagnosis. Bioanalysis, 2010, 2, 847-850.	1.5	4
268	Nanoscience-Based Electrochemical Sensors and Arrays for Detection of Cancer Biomarker Proteins. , 2013, , 1-26.		4
269	Protein film voltammetry and co-factor electron transfer dynamics in spinach photosystem II core complex. Photosynthesis Research, 2014, 120, 153-167.	2.9	4
270	Methyl-Cytosine-Driven Structural Changes Enhance Adduction Kinetics of an Exon 7 fragment of the p53 Gene. Scientific Reports, 2017, 7, 40890.	3.3	4

#	Article	IF	Citations
271	Automatic Computerized Analysis of Multi-Exponential Decay Curves. Analytical Letters, 1985, 18, 2021-2032.	1.8	3
272	Influence of bromide on electrochemistry of photosynthetic reaction center films on gold electrodes. Bioelectrochemistry, 2001, 54, 97-100.	4.6	3
273	Thin Film Voltammetry of Wild Type and Mutant Reaction Center Proteins from Photosynthetic Bacteria. Journal of Physical Chemistry B, 2011, 115, 3226-3232.	2.6	3
274	Characterizing protein modifications by reactive metabolites using magnetic bead bioreactors and LC-MS/MS. Chemical Communications, 2015, 51, 4701-4703.	4.1	3
275	Organ-Specific Screening for Protein Damage Using Magnetic Bead Bioreactors and LCâ€“MS/MS. Analytical Chemistry, 2020, 92, 5337-5345.	6.5	3
276	Low Cost 3D-Printed Biosensor Arrays for Protein-based Cancer Diagnostics based on Electrochemiluminescence. , 2016, , .		3
277	Spectroscopy and Molecular Modeling of Electrochemically Active Films of Myoglobin and Didodecyldimethylammonium Bromide. ACS Symposium Series, 1994, , 250-268.	0.5	2
278	Multiplexed Protein Biomarker Detection with Microfluidic Electrochemical Immunoarrays. Methods in Molecular Biology, 2021, 2237, 69-82.	0.9	2
279	Erratum to â€˜A microfluidic electrochemical device for high sensitivity biosensing: Detection of nanomolar hydrogen peroxideâ€™. Electrochemistry Communications, 2009, 11, 1092.	4.7	1
280	Emerging Cancer Biomarkers for HNSCC Detection and Therapeutic Intervention. , 2017, , 281-308.		1
281	Electrochemiluminescent Arrays For Toxicity Screening. Electrochemical Society Interface, 2009, 18, 34-39.	0.4	1
282	Reply to Comment on â€œComposite Films of Surfactants, Nafion, and Proteins with Electrochemical and Enzyme Activityâ€•by M. J. Honeychurch. Langmuir, 1998, 14, 238-240.	3.5	0
283	Bioanalysis Young Investigator: Sadagopan Krishnan. Bioanalysis, 2011, 3, 949-950.	1.5	0
284	Electrochemically Activated Catalytic Pathways of Human Metabolic Cytochrome P450s in Ultrathin Films. , 2016, , 83-105.		0
285	A Tribute to Alan Bond on his 70th Birthday: 50 Years of Electrochemistry. ChemElectroChem, 2018, 5, 821-822.	3.4	0
286	COLLOIDS, HELICES, AND FILMS OF MB/HB-MNOX BIOCOMPOSITES. , 2003, , .		0
287	(Invited) Biosupercapacitor-Triboelectric Nanogenerator Interface for Powering Implanted Biomedical Devices. ECS Meeting Abstracts, 2019, , .	0.0	0
288	Semi-Automated Electrochemical Microfluidic Immunoarray for Cancer Diagnostics. ECS Meeting Abstracts, 2019, , .	0.0	0

#	Article	IF	Citations
289	Aggressive Prostate Cancer Detection with an 8-Protein Biomarker Panel. ECS Meeting Abstracts, 2019, , .	0.0	0
290	Ultra-Sensitive Detection of Prostate Cancer Biomarkers Using Electron Transfer Rate Enhancement. ECS Meeting Abstracts, 2020, MA2020-01, 2534-2534.	0.0	0
291	Ultrasensitive 3D Printed Immunoarrays for Protein Detection Down to Single Cell Levels. ECS Meeting Abstracts, 2020, MA2020-01, 1908-1908.	0.0	0