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	Prostate Cancer Diagnosis in the Clinic Using an 8-Protein Biomarker Panel. Analytical Chemistry, 2021, 93, 1059-1067.	6.5	22
2	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
3	COVID-19 Antibody Tests and Their Limitations. ACS Sensors, 2021, 6, 593-612.	7.8	150
4	Biosensors Designed for Clinical Applications. Biomedicines, 2021, 9, 702.	3.2	14
5	Magnetic Nanoparticles with Surface Nanopockets for Highly Selective Antibody Isolation. ACS Applied Bio Materials, 2021, 4, 6157-6166.	4.6	10
6	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
7	A thermodynamic analysis of end-directed particle flocking in chemical systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 106, 106107.	3.3	5
8	Multiplexed Protein Biomarker Detection with Microfluidic Electrochemical Immunoarrays. Methods in Molecular Biology, 2021, 2237, 69-82.	0.9	2
9	Multiplexed Immunosensors and Immunoarrays. Analytical Chemistry, 2020, 92, 345-362.	6.5	102
10	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
11	Printed Electrodes in Microfluidic Arrays for Cancer Biomarker Protein Detection. Biosensors, 2020, 10, 115.	4.7	19
12	3D-Printed Immunosensor Arrays for Cancer Diagnostics. Sensors, 2020, 20, 4514.	3.8	32
13	Sub-zeptomole Detection of Biomarker Proteins Using a Microfluidic Immunoarray with Nanostructured Sensors. Analytical Chemistry, 2020, 92, 8021-8025.	6.5	19
14	Organ-Specific Screening for Protein Damage Using Magnetic Bead Bioreactors and LCâ€“MS/MS. Analytical Chemistry, 2020, 92, 5337-5345.	6.5	3
15	Ultra-Sensitive Detection of Prostate Cancer Biomarkers Using Electron Transfer Rate Enhancement. ECS Meeting Abstracts, 2020, MA2020-01, 2534-2534.	0.0	0
16	Ultrasensitive 3D Printed Immunoarrays for Protein Detection Down to Single Cell Levels. ECS Meeting Abstracts, 2020, MA2020-01, 1908-1908.	0.0	0
17	Particle Flock Motion at Airâ€“Water Interface Driven by Interfacial Free Energy Foraging. Langmuir, 2019, 35, 11066-11070.	3.5	11
18	Influence of antibody immobilization strategy on carbon electrode immunoarrays. Analyst, The, 2019, 144, 5108-5116.	3.5	45

#	Article	IF	Citations
19	An Ultraâ€Shapeable, Smart Sensing Platform Based on a Multimodal Ferrofluidâ€Infused Surface. Advanced Materials, 2019, 31, e1807201.	21.0	53
20	Accessible Telemedicine Diagnostics with ELISA in a 3D Printed Pipette Tip. Analytical Chemistry, 2019, 91, 7394-7402.	6.5	26
21	Restricted Proteolysis and LC-MS/MS To Evaluate the Orientation of Surface-Immobilized Antibodies. Analytical Chemistry, 2019, 91, 4913-4919.	6.5	8
22	All printable snow-based triboelectric nanogenerator. Nano Energy, 2019, 60, 17-25.	16.0	42
23	Oxidation Chemistry of DNA and p53 Tumor Suppressor Gene. ChemistryOpen, 2019, 8, 252-265.	1.9	16
24	Thermal- and Magnetic-Sensitive Particle Flocking Motion at the Airâ€“Water Interface. Journal of Physical Chemistry B, 2019, 123, 3832-3840.	2.6	14
25	Glucose biosensor based on open-source wireless microfluidic potentiostat. Sensors and Actuators B: Chemical, 2019, 290, 616-624.	7.8	32
26	Partial Surface Selenization of Cobalt Sulfide Microspheres for Enhancing the Hydrogen Evolution Reaction. ACS Catalysis, 2019, 9, 456-465.	11.2	71
27	Multiplexed Electrochemical Cancer Diagnostics With Automated Microfluidics. Electroanalysis, 2019, 31, 208-211.	2.9	13
28	(Invited) Biosupercapacitor-Triboelectric Nanogenerator Interface for Powering Implanted Biomedical Devices. ECS Meeting Abstracts, 2019, , .	0.0	0
29	Semi-Automated Electrochemical Microfluidic Immunoarray for Cancer Diagnostics. ECS Meeting Abstracts, 2019, , .	0.0	0
30	Aggressive Prostate Cancer Detection with an 8-Protein Biomarker Panel. ECS Meeting Abstracts, 2019, , .	0.0	0
31	Developing Microfluidic Sensing Devices Using 3D Printing. ACS Sensors, 2018, 3, 522-526.	7.8	60
32	Cancer diagnostics. Journal of Materials Chemistry B, 2018, 6, 2507-2509.	5.8	6
33	A Tribute to Alan Bond on his 70th Birthday: 50 Years of Electrochemistry. ChemElectroChem, 2018, 5, 821-822.	3.4	0
34	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
35	Epitopeâ€Resolved Detection of Peanutâ€Specific IgE Antibodies by Surface Plasmon Resonance Imaging. ChemBioChem, 2018, 19, 199-202.	2.6	15
36	A novel and accurate microfluidic assay of CD62L in bladder cancer serum samples. Analyst, The, 2018, 143, 5505-5511.	3.5	6

#	Article	IF	Citations
37	Automated 3D-Printed Microfluidic Array for Rapid Nanomaterial-Enhanced Detection of Multiple Proteins. Analytical Chemistry, 2018, 90, 7569-7577.	6.5	54
38	Novel epoxy-silica nanoparticles to develop non-enzymatic colorimetric probe for analytical immuno/bioassays. Analytica Chimica Acta, 2018, 1028, 77-85.	5.4	6
39	3D-printed miniaturized fluidic tools in chemistry and biology. TrAC - Trends in Analytical Chemistry, 2018, 106, 37-52.	11.4	52
40	Automated 4-sample protein immunoassays using 3D-printed microfluidics. Analytical Methods, 2018, 10, 4000-4006.	2.7	19
41	Gold nanocatalysts supported on carbon for electrocatalytic oxidation of organic molecules including guanines in DNA. Dalton Transactions, 2018, 47, 14139-14152.	3.3	11
42	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
43	3D-Printed Biosensor Arrays for Medical Diagnostics. Micromachines, 2018, 9, 394.	2.9	69
44	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
45	Automated 3-D Printed Arrays to Evaluate Genotoxic Chemistry: E-Cigarettes and Water Samples. ACS Sensors, 2017, 2, 670-678.	7.8	39
46	Ultrathin Grapheneâ€“Protein Supercapacitors for Miniaturized Bioelectronics. Advanced Energy Materials, 2017, 7, 1700358.	19.5	88
47	Modern approaches to chemical toxicity screening. Current Opinion in Electrochemistry, 2017, 3, 18-22.	4.8	6
48	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
49	Automated 3D-printed unibody immunoarray for chemiluminescence detection of cancer biomarker proteins. Lab on A Chip, 2017, 17, 484-489.	6.0	66
50	Emerging Cancer Biomarkers for HNSCC Detection and Therapeutic Intervention. , 2017, , 281-308.		1
51	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
52	Albumin removal from human serum using surface nanopockets on silica-coated magnetic nanoparticles. Chemical Communications, 2017, 53, 9254-9257.	4.1	23
53	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
54	Site-selective orientated immobilization of antibodies and conjugates for immunodiagnostics development. Methods, 2017, 116, 95-111.	3.8	145

#	Article	IF	Citations
55	Screening Genotoxicity Chemistry with Microfluidic Electrochemiluminescent Arrays. Sensors, 2017, 17, 1008.	3.8	8
56	Multiplex Immunosensor Arrays for Electrochemical Detection of Cancer Biomarker Proteins. Electroanalysis, 2016, 28, 2644-2658.	2.9	84
57	Electrochemiluminescence Arrays for Studies of Metaboliteâ€related Toxicity. Electroanalysis, 2016, 28, 2636-2643.	2.9	5
58	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
59	Sodium hydroxide catalyzed monodispersed high surface area silica nanoparticles. Materials Research Express, 2016, 3, 075025.	1.6	18
60	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
61	State-of-the-Art Metabolic Toxicity Screening and Pathway Evaluation. Analytical Chemistry, 2016, 88, 4584-4599.	6.5	23
62	Bioconjugation of Antibodies and Enzyme Labels onto Magnetic Beads. Methods in Enzymology, 2016, 571, 135-150.	1.0	30
63	Electrochemically Activated Catalytic Pathways of Human Metabolic Cytochrome P450s in Ultrathin Films. , 2016, , 83-105.		0
64	Microfluidic array for simultaneous detection of DNA oxidation and DNA-adduct damage. Analyst, The, 2016, 141, 5722-5729.	3.5	9
65	Cancer Diagnostics via Ultrasensitive Multiplexed Detection of Parathyroid Hormone-Related Peptides with a Microfluidic Immunoarray. Analytical Chemistry, 2016, 88, 9269-9275.	6.5	51
66	High-Throughput Electrochemical Microfluidic Immunoarray for Multiplexed Detection of Cancer Biomarker Proteins. ACS Sensors, 2016, 1, 1036-1043.	7.8	94
67	Electrocatalytic Oxidation of Alcohols, Tripropylamine, and DNA with Ligandâ€Free Gold Nanoclusters on Nitrided Carbon. ChemElectroChem, 2016, 3, 2100-2109.	3.4	12
68	Fast nucleation for silica nanoparticle synthesis using a solâ€“gel method. Nanoscale, 2016, 8, 19662-19667.	5.6	40
69	3D-printed bioanalytical devices. Nanotechnology, 2016, 27, 284002.	2.6	51
70	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
71	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
72	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

#	Article	IF	Citations
73	Electrochemiluminescence at Bare and DNA-Coated Graphite Electrodes in 3D-Printed Fluidic Devices. ACS Sensors, 2016, 1, 197-202.	7.8	45
74	Tunable mesoporous manganese oxide for high performance oxygen reduction and evolution reactions. Journal of Materials Chemistry A, 2016, 4, 620-631.	10.3	113
75	3D-printed supercapacitor-powered electrochemiluminescent protein immunoarray. Biosensors and Bioelectronics, 2016, 77, 188-193.	10.1	147
76	Electrochemistry-based approaches to low cost, high sensitivity, automated, multiplexed protein immunoassays for cancer diagnostics. Analyst, The, 2016, 141, 536-547.	3.5	57
77	Low Cost 3D-Printed Biosensor Arrays for Protein-based Cancer Diagnostics based on Electrochemiluminescence. , 2016, , .		3
78	Efficient Photoelectrochemical Energy Conversion using Spinach Photosystemâ€…II (PSII) in Lipid Multilayer Films. ChemistryOpen, 2015, 4, 111-114.	1.9	7
79	Antibody-like Biorecognition Sites for Proteins from Surface Imprinting on Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 28197-28206.	8.0	44
80	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
81	Co-operative motion of multiple benzoquinone disks at the airâ€“water interface. Physical Chemistry Chemical Physics, 2015, 17, 29891-29898.	2.8	15
82	Robust Mesoporous Manganese Oxide Catalysts for Water Oxidation. ACS Catalysis, 2015, 5, 1693-1699.	11.2	178
83	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
84	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
85	Characterizing protein modifications by reactive metabolites using magnetic bead bioreactors and LC-MS/MS. Chemical Communications, 2015, 51, 4701-4703.	4.1	3
86	Low-Cost Photolithographic Fabrication of Nanowires and Microfilters for Advanced Bioassay Devices. Sensors, 2015, 15, 6091-6104.	3.8	8
87	Automated Multiplexed ECL Immunoarrays for Cancer Biomarker Proteins. Analytical Chemistry, 2015, 87, 4472-4478.	6.5	115
88	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
89	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
90	On-line protein capture on magnetic beads for ultrasensitive microfluidic immunoassays of cancer biomarkers. Biosensors and Bioelectronics, 2014, 53, 268-274.	10.1	108

#	Article	IF	Citations
91	Nanomaterials and biomaterials in electrochemical arrays for protein detection. Journal of Materials Chemistry B, 2014, 2, 12-30.	5.8	53
92	Paper-based electrochemical immunoassay for rapid, inexpensive cancer biomarker protein detection. Analytical Methods, 2014, 6, 8878-8881.	2.7	31
93	Ultrasensitive carbohydrate-peptide SPR imaging microarray for diagnosing IgE mediated peanut allergy. Analyst, The, 2014, 139, 5728-5733.	3.5	25
94	Thin multicomponent films for functional enzyme devices and bioreactor particles. Soft Matter, 2014, 10, 8145-8156.	2.7	22
95	Protein film voltammetry and co-factor electron transfer dynamics in spinach photosystem II core complex. Photosynthesis Research, 2014, 120, 153-167.	2.9	4
96	A microfluidic electrochemiluminescent device for detecting cancer biomarker proteins. Analytical and Bioanalytical Chemistry, 2013, 405, 3831-3838.	3.7	88
97	Thin Iron Heme Enzyme Films on Electrodes and Nanoparticles for Biocatalysis. , 2013, , 125-147.		5
98	High-throughput metabolic genotoxicity screening with a fluidic microwell chip and electrochemiluminescence. Lab on A Chip, 2013, 13, 4554.	6.0	29
99	Resistive-pulse measurements with nanopipettes: detection of Au nanoparticles and nanoparticle-bound anti-peanut IgY. Chemical Science, 2013, 4, 655-663.	7.4	90
100	Assessing DNA damage from enzyme-oxidized single-walled carbon nanotubes. Toxicology Research, 2013, 2, 375-378.	2.1	13
101	Screening reactive metabolites bioactivated by multiple enzyme pathways using a multiplexed microfluidic system. Analyst, The, 2013, 138, 171-178.	3.5	16
102	Nanoscience-Based Electrochemical Sensors and Arrays for Detection of Cancer Biomarker Proteins. , 2013, , 1-26.		4
103	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
104	Multiplexed Electrochemical Protein Detection and Translation to Personalized Cancer Diagnostics. Analytical Chemistry, 2013, 85, 5304-5310.	6.5	113
105	Paper-Based Electrochemiluminescent Screening for Genotoxic Activity in the Environment. Environmental Science & Technology, 2013, 47, 1937-1944.	10.0	74
106	Voltammetric Microwell Array for Oxidized Guanosine in Intact ds-DNA. Analytical Chemistry, 2013, 85, 11061-11067.	6.5	12
107	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
108	Rapid Microfluidic Immunoassays of Cancer Biomarker Proteins Using Disposable Inkjetâ€Printed Gold Nanoparticle Arrays. ChemistryOpen, 2013, 2, 141-145.	1.9	43

#	Article	IF	Citations
109	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
110	Electrochemical Activation of the Natural Catalytic Cycle of Cytochrome P450s in Human Liver Microsomes. Electroanalysis, 2012, 24, 2049-2052.	2.9	12
111	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
112	Ultrasensitive nanostructured immunosensor for stem and carcinoma cell pluripotency gatekeeper protein NANOG. Nanomedicine, 2012, 7, 957-965.	3.3	18
113	Nanomaterialsâ€based electrochemical immunosensors for proteins. Chemical Record, 2012, 12, 164-176.	5.8	49
114	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
115	Ultrasensitive Detection of Cancer Biomarkers in the Clinic by Use of a Nanostructured Microfluidic Array. Analytical Chemistry, 2012, 84, 6249-6255.	6.5	187
116	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
117	High sensitivity carbon nanotube based electrochemiluminescence sensor array. Biosensors and Bioelectronics, 2012, 31, 233-239.	10.1	55
118	Evaluation of Electrochemiluminescent Metabolic Toxicity Screening Arrays Using a Multiple Compound Set. Analytical Chemistry, 2011, 83, 2754-2760.	6.5	29
119	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
120	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
121	Carbon Nanotube Microwell Array for Sensitive Electrochemiluminescent Detection of Cancer Biomarker Proteins. Analytical Chemistry, 2011, 83, 6698-6703.	6.5	217
122	Microfluidic Electrochemical Array for Detection of Reactive Metabolites Formed by Cytochrome P450 Enzymes. Analytical Chemistry, 2011, 83, 9499-9506.	6.5	32
123	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
124	Bioelectronic Delivery of Electrons to Cytochrome P450 Enzymes. Journal of Physical Chemistry B, 2011, 115, 8371-8380.	2.6	61
125	Microfluidic electrochemical immunoarray for ultrasensitive detection of two cancer biomarker proteins in serum. Biosensors and Bioelectronics, 2011, 26, 4477-4483.	10.1	209
126	New and emerging technologies for genetic toxicity testing. Environmental and Molecular Mutagenesis, 2011, 52, 205-223.	2.2	62

#	Article	IF	Citations
127	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
128	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
129	Bioanalysis Young Investigator: Sadagopan Krishnan. Bioanalysis, 2011, 3, 949-950.	1.5	0
130	Magnetic particles in ultrasensitive biomarker protein measurements for cancer detection and monitoring. Expert Opinion on Medical Diagnostics, 2011, 5, 381-391.	1.6	55
131	Steps along the road to electrochemical devices for early cancer diagnosis. Bioanalysis, 2010, 2, 847-850.	1.5	4
132	Highly sensitive and reusable Pt-black microfluidic electrodes for long-term electrochemical sensing. Biosensors and Bioelectronics, 2010, 26, 682-688.	10.1	36
133	Sensitive electrochemical immunosensor for matrix metalloproteinase-3 based on single-wall carbon nanotubes. Analyst, The, 2010, 135, 1345.	3.5	57
134	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
135	Sequential Layer Analysis of Protein Immunosensors Based on Single Wall Carbon Nanotube Forests. Langmuir, 2010, 26, 15050-15056.	3.5	41
136	High-Throughput Metabolic Toxicity Screening Using Magnetic Biocolloid Reactors and LCâ^'MS/MS. Analytical Chemistry, 2010, 82, 10172-10178.	6.5	20
137	Measurement of biomarker proteins for point-of-care early detection and monitoring of cancer. Analyst, The, 2010, 135, 2496.	3.5	469
138	Electrochemical Immunosensors for Antibodies to Peanut Allergen Ara h2 Using Gold Nanoparticleâ^'Peptide Films. Analytical Chemistry, 2010, 82, 5865-5871.	6.5	68
139	Characterization of Multienzyme-Antibody-Carbon Nanotube Bioconjugates for Immunosensors. Journal of Nanoscience and Nanotechnology, 2009, 9, 249-255.	0.9	33
140	Comparison of DNAâ€Reactive Metabolites from Nitrosamine and Styrene Using Voltammetric DNA/Microsomes Sensors. Electroanalysis, 2009, 21, 1005-1013.	2.9	6
141	Designing nanomaterial-enhanced electrochemical immunosensors for cancer biomarker proteins. Bioelectrochemistry, 2009, 76, 189-194.	4.6	112
142	Electrochemical immunosensors for interleukin-6. Comparison of carbon nanotube forest and gold nanoparticle platforms. Electrochemistry Communications, 2009, 11, 1009-1012.	4.7	106
143	Erratum to â€˜A microfluidic electrochemical device for high sensitivity biosensing: Detection of nanomolar hydrogen peroxideâ€™. Electrochemistry Communications, 2009, 11, 1092.	4.7	1
144	A microfluidic electrochemical device for high sensitivity biosensing: Detection of nanomolar hydrogen peroxide. Electrochemistry Communications, 2009, 11, 819-822.	4.7	65

#	Article	IF	Citations
145	Biocatalytic anode for glucose oxidation utilizing carbon nanotubes for direct electron transfer with glucose oxidase. Electrochemistry Communications, 2009, 11, 2004-2007.	4.7	46
146	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
147	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
148	Gold Nanoparticles with Externally Controlled, Reversible Shifts of Local Surface Plasmon Resonance Bands. Langmuir, 2009, 25, 13120-13124.	3.5	46
149	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
150	Rapid LC-MS Drug Metabolite Profiling Using Microsomal Enzyme Bioreactors in a Parallel Processing Format. Analytical Chemistry, 2009, 81, 9921-9929.	6.5	27
151	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
152	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
153	Characterizing Metabolic Inhibition Using Electrochemical Enzyme/DNA Biosensors. Analytical Chemistry, 2009, 81, 716-724.	6.5	14
154	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
155	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
156	Ultrasensitive Immunosensor for Cancer Biomarker Proteins Using Gold Nanoparticle Film Electrodes and Multienzyme-Particle Amplification. ACS Nano, 2009, 3, 585-594.	14.6	490
157	Electrochemiluminescent Arrays For Toxicity Screening. Electrochemical Society Interface, 2009, 18, 34-39.	0.4	1
158	Improved Detection Limit and Stability of Amperometric Carbon Nanotubeâ€Based Immunosensors by Crosslinking Antibodies with Polylysine. Electroanalysis, 2008, 20, 115-122.	2.9	12
159	Synergistic Metabolic Toxicity Screening Using Microsome/DNA Electrochemiluminescent Arrays and Nanoreactors. Analytical Chemistry, 2008, 80, 5279-5285.	6.5	54
160	Biochemical applications of ultrathin films of enzymes, polyions and DNA. Chemical Communications, 2008, , 141-154.	4.1	93
161	Electrochemical biosensor featuring a two-enzyme pathway and DNA for screening toxic reactive metabolites of arylamines. Chemical Communications, 2008, , 4354.	4.1	7
162	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

#	Article	IF	Citations
163	Electrochemical Genotoxicity Screening for Arylamines Bioactivated by N-Acetyltransferase. Analytical Chemistry, 2008, 80, 1192-1200.	6.5	24
164	Enzymeâ"DNA Biocolloids for DNA Adduct and Reactive Metabolite Detection by Chromatographyâ"Mass Spectrometry. Analytical Chemistry, 2008, 80, 922-932.	6.5	35
165	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
166	Thermostable Biocatalytic Films of Enzymes and Polylysine on Electrodes and Nanoparticles in Microemulsions. Langmuir, 2008, 24, 10365-10370.	3.5	12
167	Microsome Biocolloids for Rapid Drug Metabolism and in hibition Assessment by LC-MS. Drug Metabolism Letters, 2008, 2, 158-162.	0.8	21
168	Protecting Peroxidase Activity of Multilayer Enzyme-Polyion Films Using Outer Catalase Layers. Journal of Physical Chemistry B, 2007, 111, 14378-14386.	2.6	26
169	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
170	Thermostable Peroxidaseâ"Polylysine Films for Biocatalysis at 90 Â°C. Journal of Physical Chemistry B, 2007, 111, 9125-9131.	2.6	22
171	Electrochemiluminescent Arrays for Cytochrome P450-Activated Genotoxicity Screening. DNA Damage from Benzo[a]pyrene Metabolites. Analytical Chemistry, 2007, 79, 1897-1906.	6.5	106
172	Carbon Nanotubes for Electronic and Electrochemical Detection of Biomolecules. Advanced Materials, 2007, 19, 3214-3228.	21.0	460
173	Electrochemiluminescent/voltammetric toxicity screening sensor using enzyme-generated DNA damage. Biosensors and Bioelectronics, 2007, 23, 492-498.	10.1	45
174	Thin film voltammetry of metabolic enzymes in rat liver microsomes. Electrochemistry Communications, 2007, 9, 2359-2363.	4.7	19
175	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
176	Toxicity screening using biosensors that measure DNA damage. Current Opinion in Drug Discovery & Development, 2007, 10, 67-73.	1.9	16
177	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
178	Influence of Microemulsions on Enantioselective Synthesis of (R)-Cyclopent-2-enol Catalyzed by Vitamin B12. Langmuir, 2006, 22, 5289-5293.	3.5	9
179	Carbon Nanotube Amplification Strategies for Highly Sensitive Immunodetection of Cancer Biomarkers. Journal of the American Chemical Society, 2006, 128, 11199-11205.	13.7	668
180	Genotoxicity Screening Using Biocatalyst/DNA Films and Capillary LCâ"MS/MS. Analytical Chemistry, 2006, 78, 624-627.	6.5	34

#	Article	IF	Citations
181	Microemulsion-Controlled Reaction Sites in Biocatalytic Films for Electrochemical Reduction of Vicinal Dibromides. Langmuir, 2006, 22, 10788-10795.	3.5	9
182	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
183	Studies of DNA Damage Inhibition by Dietary Antioxidants Using Metallopolyion/DNA Sensors. Electroanalysis, 2006, 18, 327-332.	2.9	24
184	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
185	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
186	Protein immunosensor using single-wall carbon nanotube forests with electrochemical detection of enzyme labels. Molecular BioSystems, 2005, 1, 70.	2.9	108
187	Genotoxicity sensor response correlated with DNA nucleobase damage rates measured by LC-MS. Molecular BioSystems, 2005, 1, 251.	2.9	22
188	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
189	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
190	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
191	Quantitative Measurement of DNA Adducts Using Neutral Hydrolysis and LCâ^'MS. Validation of Genotoxicity Sensors. Analytical Chemistry, 2005, 77, 2056-2062.	6.5	44
192	Evaluating Enzymes That Generate Genotoxic Benzo[a]pyrene Metabolites Using Sensor Arrays. Analytical Chemistry, 2005, 77, 1361-1367.	6.5	35
193	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
194	Sensors for toxicity of chemicals and oxidative stress based on electrochemical catalytic DNA oxidation. Biosensors and Bioelectronics, 2004, 20, 1022-1028.	10.1	97
195	Mediated amperometric immunosensing using single walled carbon nanotube forests. Analyst, The, 2004, 129, 1176.	3.5	81
196	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
197	Driving Forces for Layer-by-Layer Self-Assembly of Films of SiO2Nanoparticles and Heme Proteins. Langmuir, 2004, 20, 722-729.	3.5	175
198	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

#	Article	IF	Citations
199	Electroactive Coreâ"Shell Nanocluster Films of Heme Proteins, Polyelectrolytes, and Silica Nanoparticles. Langmuir, 2004, 20, 10700-10705.	3.5	67
200	Voltammetric Sensor for Oxidized DNA Using Ultrathin Films of Osmium and Ruthenium Metallopolymers. Analytical Chemistry, 2004, 76, 5557-5563.	6.5	64
201	Electrochemical Catalysis of Styrene Epoxidation with Films of MnO2Nanoparticles and H2O2. Journal of the American Chemical Society, 2004, 126, 7676-7682.	13.7	195
202	An amperometric biosensor with human CYP3A4 as a novel drug screening tool. Biochemical Pharmacology, 2003, 65, 1817-1826.	4.4	160
203	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
204	Electrochemical catalysis with redox polymer and polyionâ€"protein films. Journal of Colloid and Interface Science, 2003, 262, 1-15.	9.4	101
205	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
206	Peroxidase activity of enzymes bound to the ends of single-wall carbon nanotube forest electrodes. Electrochemistry Communications, 2003, 5, 408-411.	4.7	397
207	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
208	Ultrathin Films. DNA Damage from Methylating Agents and an Enzyme-Generated Epoxide. Analytical Chemistry, 2003, 75, 4229-4235.	6.5	88
209	Myoglobin Coadsorbed on Electrodes from Microemulsions Provides Reversible Electrochemistry and Tunable Electrochemical Catalysis. Langmuir, 2003, 19, 6976-6981.	3.5	22
210	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
211	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
212	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
213	Oscillating Formation of 8-Oxoguanine during DNA Oxidation. Journal of the American Chemical Society, 2003, 125, 6604-6605.	13.7	37
214	COLLOIDS, HELICES, AND FILMS OF MB/HB-MNOX BIOCOMPOSITES. , 2003, , .		0
215	Scanning Electrochemical Microscopy of Living Cells. 3.Rhodobactersphaeroides. Analytical Chemistry, 2002, 74, 114-119.	6.5	106
216	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

#	Article	IF	Citations
217	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
218	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
219	Direct Voltammetry and Catalysis withMycobacteriumtuberculosisCatalaseâ^'Peroxidase, Peroxidases, and Catalase in Lipid Films. Analytical Chemistry, 2002, 74, 163-170.	6.5	159
220	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
221	Heme Proteinâ^'Clay Films:Â Direct Electrochemistry and Electrochemical Catalysis. Langmuir, 2002, 18, 211-219.	3.5	208
222	Colloids, helices, and patterned films made from heme proteins and manganese oxide. Chemical Communications, 2002, , 2254-2255.	4.1	33
223	Surfactant-free emulsion electrosynthesis via power ultrasound: electrocatalytic formation of carbonâ€“carbon bonds. Green Chemistry, 2002, 4, 570-577.	9.0	21
224	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
225	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
226	Reversible electrochemistry and catalysis with Mycobacterium tuberculosis catalase-peroxidase in lipid films. Chemical Communications, 2001, , 177-178.	4.1	15
227	Modeling Square-Wave Voltammetry of Thin Protein Films Using Marcus Theory. Journal of Physical Chemistry B, 2001, 105, 6142-6147.	2.6	12
228	Influence of Thickness on Catalytic Efficiency of Cobalt Corrin-Polyion Scaffolds on Electrodes in Microemulsions. Langmuir, 2001, 17, 3447-3453.	3.5	17
229	Green synthesis via electrolysis in microemulsions. Pure and Applied Chemistry, 2001, 73, 1895-1905.	1.9	33
230	Influence of bromide on electrochemistry of photosynthetic reaction center films on gold electrodes. Bioelectrochemistry, 2001, 54, 97-100.	4.6	3
231	Catalytic square-wave voltammetric detection of DNA with reversible metallopolymer-coated electrodes. Electrochemistry Communications, 2001, 3, 406-409.	4.7	33
232	Vitamin B12-mediated electrochemical cyclopropanation of styrene. Electrochemistry Communications, 2001, 3, 733-736.	4.7	29
233	Electrochemical reactions of redox cofactors in Rhodobacter sphaeroides reaction center proteins in lipid films. Bioelectrochemistry, 2001, 54, 145-150.	4.6	20
234	THIN FILMS ON ELECTRODES FOR DIRECT PROTEIN ELECTRON TRANSFER. , 2001, , 33-71.		45

#	Article	IF	Citations
235	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
236	Electroactive Myoglobin Films Grown Layer-by-Layer with Poly(styrenesulfonate) on Pyrolytic Graphite Electrodes. Langmuir, 2000, 16, 4969-4975.	3.5	224
237	Applications of polyion films containing biomolecules to sensing toxicity. Faraday Discussions, 2000, 116, 77-87.	3.2	39
238	Films of Manganese Oxide Nanoparticles with Polycations or Myoglobin from Alternate-Layer Adsorptionâ€. Langmuir, 2000, 16, 8850-8857.	3.5	165
239	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
240	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
241	Influence of Surfactant-based Microheterogeneous Fluids on Aggregation of Copper Phthalocyanine Tetrasulfonate. Journal of Porphyrins and Phthalocyanines, 1999, 03, 188-195.	0.8	24
242	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
243	Ordered Electrochemically Active Films of Hemoglobin, Didodecyldimethylammonium Ions, and Clay. Langmuir, 1999, 15, 7022-7030.	3.5	143
244	Electroenzyme-Catalyzed Oxidation of Styrene andcis-Î²-Methylstyrene Using Thin Films of Cytochrome P450cam and Myoglobin. Langmuir, 1999, 15, 7372-7377.	3.5	82
245	Electrochemical Phase-Transfer Catalysis in Microemulsions:Â Carbene Formation. Langmuir, 1999, 15, 7416-7417.	3.5	13
246	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
247	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
248	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
249	Catalytic Electrochemical Synthesis Using Nanocrystalline Titanium Dioxide Cathodes in Microemulsions. Langmuir, 1998, 14, 7027-7033.	3.5	21
250	Electrochemical Catalysis of a 5-Endo-Trig Cyclization in Bicontinuous Microemulsions. Journal of Organic Chemistry, 1998, 63, 218-219.	3.2	31
251	High-speed multilayer film assembly by alternate adsorption of silica nanoparticles and linear polycation. Chemical Communications, 1998, , 1229-1230.	4.1	51
252	Enzyme Bioelectrochemistry in Cast Biomembrane-Like Films. Accounts of Chemical Research, 1998, 31, 363-369.	15.6	529

#	Article	IF	Citations
253	Amphiphilic Ferrocene Alcohols as Electroactive Probes in Micellar Solutions and Microemulsions. Langmuir, 1997, 13, 3693-3699.	3.5	28
254	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
255	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
256	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
257	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
258	Electrochemistry and Catalysis with Myoglobin in Hydrated Poly(ester sulfonic acid) Ionomer Films. Langmuir, 1997, 13, 4119-4125.	3.5	91
259	Electrochemical Generation and Reactions of Ferrylmyoglobins in Water and Microemulsions. Journal of the American Chemical Society, 1997, 119, 3979-3986.	13.7	76
260	Electron transfer between myoglobin and electrodes in thin films of phosphatidylcholines and dihexadecylphosphate. Biophysical Chemistry, 1997, 63, 133-146.	2.8	117
261	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
262	Enhanced Rates of Organic Dehalogenations in a Microemulsion Using Adsorbed Metal Phthalocyanines on Electrodes. Langmuir, 1996, 12, 2645-2649.	3.5	28
263	Carbonâ^'Carbon Bond Formation by Electrochemical Catalysis in Conductive Microemulsions. Journal of Organic Chemistry, 1996, 61, 5972-5977.	3.2	44
264	Composite Films of Surfactants, Nafion, and Proteins with Electrochemical and Enzyme Activity. Langmuir, 1996, 12, 5472-5480.	3.5	125
265	Radical vs Anionic Pathway in Mediated Electrochemical Reduction of Benzyl Bromide in a Bicontinuous Microemulsion. Langmuir, 1996, 12, 3067-3074.	3.5	42
266	Electron Transfer between Electrodes and Heme Proteins in Proteinâ^'DNA Films. Journal of the American Chemical Society, 1996, 118, 3043-3044.	13.7	144
267	Orientation of myoglobin in cast multibilayer membranes of amphiphilic molecules. The Journal of Physical Chemistry, 1995, 99, 11013-11017.	2.9	61
268	Dechlorination of Polychlorinated Biphenyls on Soils and Clay by Electrolysis in a Bicontinuous Microemulsion. Environmental Science & Technology, 1995, 29, 1195-1199.	10.0	60
269	Electron Transfer from Electrodes to Myoglobin: Facilitated in Surfactant Films and Blocked by Adsorbed Biomacromolecules. Analytical Chemistry, 1995, 67, 2386-2392.	6.5	265
270	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

#	Article	IF	Citations
271	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
272	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
273	Spectroscopy and Molecular Modeling of Electrochemically Active Films of Myoglobin and Didodecyldimethylammonium Bromide. ACS Symposium Series, 1994, , 250-268.	0.5	2
274	Electron Transfer Rates in Electroactive Films from Normal Pulse Voltammetry. Myoglobin-Surfactant Films. Langmuir, 1994, 10, 2800-2806.	3.5	24
275	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
276	Characterizing Materials with Cyclic Voltammetry. Advanced Materials, 1994, 6, 922-930.	21.0	134
277	Enhanced electron transfer for myoglobin in surfactant films on electrodes. Journal of the American Chemical Society, 1993, 115, 11891-11897.	13.7	456
278	Dechlorination of polychlorinated biphenyls by electrochemical catalysis in a bicontinuous microemulsion. Environmental Science & Technology, 1993, 27, 1375-1380.	10.0	72
279	Surfactant-intercalated clay films for electrochemical catalysis. Reduction of trichloroacetic acid. Analytical Chemistry, 1991, 63, 2163-2168.	6.5	75
280	Controlling electrochemical catalysis with surfactant microstructures. Accounts of Chemical Research, 1991, 24, 75-81.	15.6	201
281	Effect of background charge on estimating diffusion coefficients by chronocoulometry at glassy carbon electrodes. Electroanalysis, 1991, 3, 735-739.	2.9	16
282	Bicontinuous microemulsions as media for electrochemical studies. Analytical Chemistry, 1990, 62, 644-649.	6.5	59
283	Nonlinear regression analysis of steady-state voltammograms obtained at microelectrodes. Electroanalysis, 1989, 1, 141-149.	2.9	22
284	Diffusion of micelle-bound molecules to electrodes in solutions of ionic surfactants. Analytical Chemistry, 1988, 60, 1260-1267.	6.5	63
285	Automatic Computerized Analysis of Multi-Exponential Decay Curves. Analytical Letters, 1985, 18, 2021-2032.	1.8	3
286	Electrochemical and Electron Spectroscopic Studies of Highly Polished Glassy Carbon Electrodes. Analytical Chemistry, 1985, 57, 545-551.	6.5	215
287	Determination of standard potentials and electron-transfer rates for halobiphenyls from electrocatalytic data. Analytical Chemistry, 1985, 57, 170-174.	6.5	63
288	Computerized interpretation of electrochemical data using deviation-pattern recognition. TrAC - Trends in Analytical Chemistry, 1984, 3, 91-94.	11.4	10

#	Article	IF	Citations
289	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
290	Improved penicillin selective enzyme electrode. Analytical Chemistry, 1974, 46, 1955-1961.	6.5	67
291	Chapter 4. Single-wall Carbon Nanotube Forests in Biosensors. , 0, , 94-118.		4