

# Leonidas G Bachas

## List of Publications by Year in descending order

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183  
papers

8,117  
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53794

45  
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58581

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188  
all docs

188  
docs citations

188  
times ranked

9069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reagentless electrochemical biosensors through incorporation of unnatural amino acids on the protein structure. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113861.	10.1	4
2	Hierarchical Core–Shell ACOF-1@BiOBr as an Efficient Photocatalyst for the Degradation of Emerging Organic Contaminants. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2503-2516.	3.1	14
3	Mechanistic analysis identifying reaction pathways for rapid reductive photodebromination of polybrominated diphenyl ethers using BiVO <sub>4</sub> /BiOBr/Pd heterojunction nanocomposite photocatalyst. <i>Environmental Science: Nano</i> , 2022, 9, 1106-1115.	4.3	4
4	Delivery of therapeutic agents and cells to pancreatic islets: Towards a new era in the treatment of diabetes. <i>Molecular Aspects of Medicine</i> , 2022, 83, 101063.	6.4	8
5	Design of a mediator-free, non-enzymatic electrochemical biosensor for glutamate detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 31, 102305.	3.3	21
6	Halide Effects in BiVO <sub>4</sub> /BiOX Heterostructures Decorated with Pd Nanoparticles for Photocatalytic Degradation of Rhodamine B as a Model Organic Pollutant. <i>ACS Applied Nano Materials</i> , 2021, 4, 3262-3272.	5.0	28
7	Cu <sub>2</sub> O Cubes Decorated with Azine-Based Covalent Organic Framework Spheres and Pd Nanoparticles as Tandem Photocatalyst for Light-Driven Degradation of Chlorinated Biphenyls. <i>ACS Applied Nano Materials</i> , 2021, 4, 2795-2805.	5.0	13
8	Anion-Selective Electrodes Based On a CH-Hydrogen Bonding Bis-macrocyclic Ionophore with a Clamshell Architecture. <i>Analytical Chemistry</i> , 2021, 93, 5412-5419.	6.5	7
9	Design of Pd-Decorated SrTiO <sub>3</sub> /BiOBr Heterojunction Materials for Enhanced Visible-Light-Based Photocatalytic Reactivity. <i>Langmuir</i> , 2021, 37, 11986-11995.	3.5	4
10	Cu <sub>2</sub> S@Bi <sub>2</sub> S <sub>3</sub> Double-Shelled Hollow Cages as a Nanocatalyst with Substantial Activity in Peroxymonosulfate Activation for Atrazine Degradation. <i>ACS Applied Nano Materials</i> , 2021, 4, 12222-12234.	5.0	8
11	Mapping carcinogen exposure across urban fire incident response arenas using passive silicone-based samplers. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112929.	6.0	3
12	Evaluation of silicone-based wristbands as passive sampling systems using PAHs as an exposure proxy for carcinogen monitoring in firefighters: Evidence from the firefighter cancer initiative. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111100.	6.0	25
13	Size-Controlled SrTiO <sub>3</sub> Nanoparticles Photodecorated with Pd Cocatalysts for Photocatalytic Organic Dye Degradation. <i>ACS Applied Nano Materials</i> , 2020, 3, 4904-4912.	5.0	23
14	Amino Acids for the Sustainable Production of Cu <sub>2</sub> O Materials: Effects on Morphology and Photocatalytic Reactivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17055-17064.	6.7	10
15	Cyanostar: C–H Hydrogen Bonding Neutral Carrier Scaffold for Anion-Selective Sensors. <i>Analytical Chemistry</i> , 2018, 90, 1925-1933.	6.5	32
16	Metal oxide semiconductor nanomaterial for reductive debromination: Visible light degradation of polybrominated diphenyl ethers by Cu <sub>2</sub> O@Pd nanostructures. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 147-154.	20.2	42
17	Pd-decorated m-BiVO <sub>4</sub> /BiOBr ternary composite with dual heterojunction for enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 529-534.	10.3	72
18	Correlating the potentiometric selectivity of cyclosporin-based electrodes with binding patterns obtained from electrospray ionization-mass spectrometry. <i>Analyst</i> , The, 2017, 142, 3241-3249.	3.5	2

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19	Potential Impacts of PCBs on Sediment Microbiomes in a Tropical Marine Environment. Journal of Marine Science and Engineering, 2016, 4, 13.	2.6	1
20	Converting Light Energy to Chemical Energy: A New Catalytic Approach for Sustainable Environmental Remediation. ACS Omega, 2016, 1, 41-51.	3.5	12
21	Environmental PCBs in GuÃ¡nica Bay, Puerto Rico: implications for community health. Environmental Science and Pollution Research, 2016, 23, 2003-2013.	5.3	14
22	Direct Synthetic Control over the Size, Composition, and Photocatalytic Activity of Octahedral Copper Oxide Materials: Correlation Between Surface Structure and Catalytic Functionality. ACS Applied Materials & Interfaces, 2015, 7, 13238-13250.	8.0	34
23	Preorganized composite material of polyanilineâ€“palladium nanoparticles with high electrocatalytic activity to methanol and ethanol oxidation. International Journal of Hydrogen Energy, 2015, 40, 6745-6753.	7.1	36
24	Synthesis of Nanostructured Bimetallic Particles in Poly(ligand-Functionalized Membranes for Remediation Applications. , 2014, , 369-393.		3
25	Light-Activated Tandem Catalysis Driven by Multicomponent Nanomaterials. Journal of the American Chemical Society, 2014, 136, 32-35.	13.7	94
26	Polymeric plasticizer extends the lifetime of PVC-membrane ion-selective electrodes. Analyst, The, 2014, 139, 757-763.	3.5	48
27	Reactivity of Pd/Fe bimetallic nanotubes in dechlorination of coplanar polychlorinated biphenyls. Chemosphere, 2013, 91, 165-171.	8.2	31
28	Selectivity properties of corrin-doped polypyrrole film. Monatshefte FÃ¼r Chemie, 2013, 144, 781-791.	1.8	4
29	Bifunctional bisphosphonates for delivering PTH (1-34) to bone mineral with enhanced bioactivity. Biomaterials, 2013, 34, 3141-3149.	11.4	25
30	Nutrition Can Modulate the Toxicity of Environmental Pollutants: Implications in Risk Assessment and Human Health. Environmental Health Perspectives, 2012, 120, 771-774.	6.0	83
31	Bioluminescence Inhibition Assay for the Detection of Hydroxylated Polychlorinated Biphenyls. Analytical Chemistry, 2012, 84, 7648-7655.	6.5	9
32	Oriented Immobilization of Proteins on Hydroxyapatite Surface Using Bifunctional Bisphosphonates as Linkers. Biomacromolecules, 2012, 13, 1742-1749.	5.4	31
33	Palladium nanoparticle-decorated iron nanotubes hosted in a polycarbonate porous membrane: development, characterization, and performance as electrocatalysts of ascorbic acid. Analytical and Bioanalytical Chemistry, 2012, 404, 1637-1642.	3.7	6
34	Fibronectin Binding to the <i>Treponema pallidum</i> Adhesin Protein Fragment rTp0483 on Functionalized Self-Assembled Monolayers. Bioconjugate Chemistry, 2012, 23, 184-195.	3.6	16
35	Development of reactive Pd/Fe bimetallic nanotubes for dechlorination reactions. Journal of Materials Chemistry, 2011, 21, 10454.	6.7	24
36	Enhanced Affinity Bifunctional Bisphosphonates for Targeted Delivery of Therapeutic Agents to Bone. Bioconjugate Chemistry, 2011, 22, 2496-2506.	3.6	31

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37	Reactive nanostructured membranes for water purification. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8577-8582.	7.1	160
38	Ion-Selective Electrodes Based on a Pyridyl-Containing Triazolophane: Altering Halide Selectivity by Combining Dipole-Promoted Cooperativity with Hydrogen Bonding. Analytical Chemistry, 2011, 83, 3455-3461.	6.5	45
39	Electrochemical properties and temperature dependence of a recombinant laccase from <i>Thermus thermophilus</i> . Analytical and Bioanalytical Chemistry, 2011, 399, 361-366.	3.7	26
40	Morphological control of Ni/NiO core/shell nanoparticles and production of hollow NiO nanostructures. Journal of Nanoparticle Research, 2010, 12, 2883-2893.	1.9	29
41	Can Temperature Be Used To Tune the Selectivity of Membrane Ion-Selective Electrodes?. Analytical Chemistry, 2010, 82, 3622-3628.	6.5	16
42	Triazolophanes: A New Class of Halide-Selective Ionophores for Potentiometric Sensors. Analytical Chemistry, 2010, 82, 368-375.	6.5	70
43	Synthesis of Nanostructured Bimetallic Particles in Polyligand-Functionalized Membranes for Remediation Applications. , 2009, , 311-335.		4
44	Iron-Functionalized Membranes for Nanoparticle Synthesis and Reactions. Separation Science and Technology, 2009, 44, 3289-3311.	2.5	17
45	Chelate-Modified Fenton Reaction for the Degradation of Trichloroethylene in Aqueous and Two-Phase Systems. Environmental Engineering Science, 2009, 26, 849-859.	1.6	88
46	Glucose Responsive Hydrogel Networks Based on Protein Recognition. Macromolecular Bioscience, 2009, 9, 864-868.	4.1	61
47	Fabrication and Biofunctionalization of Carbon-Encapsulated Au Nanoparticles. Chemistry of Materials, 2009, 21, 1176-1178.	6.7	51
48	Degradation of Trichloroethylene by Iron-Based Bimetallic Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 9454-9464.	3.1	78
49	Microfluidic ion-sensing devices. Analytica Chimica Acta, 2008, 613, 20-30.	5.4	32
50	Biosensor incorporating cell barrier architectures on ion selective electrodes for early screening of cancer. Analytical and Bioanalytical Chemistry, 2008, 391, 2783-2791.	3.7	10
51	Reductive dechlorination of 3,3',4,4'-tetrachlorobiphenyl (PCB77) using palladium or palladium/iron nanoparticles and assessment of the reduction in toxic potency in vascular endothelial cells. Journal of Hazardous Materials, 2008, 159, 483-491.	12.4	44
52	Coplanar polychlorinated biphenyl-induced CYP1A1 is regulated through caveolae signaling in vascular endothelial cells. Chemico-Biological Interactions, 2008, 176, 71-78.	4.0	33
53	Alumina nanoparticles induce expression of endothelial cell adhesion molecules. Toxicology Letters, 2008, 178, 160-166.	0.8	147
54	Ligand-Modified Aminobisphosphonate for Linking Proteins to Hydroxyapatite and Bone Surface. Bioconjugate Chemistry, 2008, 19, 315-321.	3.6	15

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55	Modified fenton reaction for trichlorophenol dechlorination by enzymatically generated H <sub>2</sub> O <sub>2</sub> and gluconic acid chelate. <i>Chemosphere</i> , 2007, 66, 2193-2200.	8.2	28
56	Hydroxylated Polychlorinated Biphenyl Detection Based on a Genetically Engineered Bioluminescent Whole-Cell Sensing System. <i>Analytical Chemistry</i> , 2007, 79, 5740-5745.	6.5	61
57	Centrifugal Microfluidics with Integrated Sensing Microdome Optodes for Multiion Detection. <i>Analytical Chemistry</i> , 2007, 79, 8046-8054.	6.5	34
58	Selected Chloro-Organic Detoxifications by Polychelate (Poly(acrylic acid)) and Citrate-Based Fenton Reaction at Neutral pH Environment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 7984-7992.	3.7	32
59	Functional One-Dimensional Nanomaterials: Applications in Nanoscale Biosensors. <i>Analytical Letters</i> , 2007, 40, 2067-2096.	1.8	90
60	Calmodulin-mediated reversible immobilization of enzymes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 20-27.	5.0	15
61	Nitrate-selective electrode based on a cyclic bis-thiourea ionophore. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 200-207.	7.8	29
62	Carbon nanotube based biomimetic membranes: mimicking protein channels regulated by phosphorylation. <i>Journal of Materials Chemistry</i> , 2007, 17, 1755.	6.7	46
63	Biosensor incorporating cell barrier architectures for detecting <i>Staphylococcus aureus</i> alpha toxin. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 567-574.	3.7	11
64	Hinge-Motion Binding Proteins: Unraveling Their Analytical Potential. <i>Analytical Chemistry</i> , 2006, 78, 6692-6700.	6.5	23
65	Decyl Methacrylate-Based Microspot Optodes. <i>Analytical Chemistry</i> , 2006, 78, 524-529.	6.5	6
66	Voltage-switchable artificial muscles actuating at near neutral pH. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 379-383.	7.8	63
67	Intersubunit Disulfide Interactions Play a Critical Role in Maintaining the Thermostability of Glucose-6-phosphate Dehydrogenase from the Hyperthermophilic Bacterium <i>Aquifex aeolicus</i> . <i>Protein Journal</i> , 2006, 25, 17-21.	1.6	13
68	Enhancing the blood compatibility of ion-selective electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 65-72.	3.7	32
69	Integration of microcolumns and microfluidic fractionators on multitasking centrifugal microfluidic platforms for the analysis of biomolecules. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 596-605.	3.7	18
70	ClcR-based biosensing system in the detection of cis-dihydroxylated (chloro-)biphenyls. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 807-813.	3.7	13
71	Microfabrication of screen-printed nanoliter vials with embedded surface-modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 259-265.	3.7	13
72	Poly(amino acid)-Facilitated Electrochemical Growth of Metal Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2408-2412.	0.9	5

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73	Stimuli-Responsive Hydrogels Based on the Genetically Engineered Proteins: Actuation, Drug Delivery and Mechanical Characterization. Materials Research Society Symposia Proceedings, 2006, 952, 2.	0.1	0
74	Magnetoelastic transducers for monitoring coagulation, clot inhibition, and fibrinolysis. Biosensors and Bioelectronics, 2005, 20, 1737-1743.	10.1	27
75	Genetically engineered protein in hydrogels tailors stimuli-responsive characteristics. Nature Materials, 2005, 4, 298-302.	27.5	273
76	Vascular endothelial growth factor as a biomarker for the early detection of cancer using a whole cell-based biosensor. Analytical and Bioanalytical Chemistry, 2005, 382, 1010-1016.	3.7	20
77	Kinetics Studies of Trichlorophenol Destruction by Chelate-Based Fenton Reaction. Environmental Engineering Science, 2005, 22, 756-771.	1.6	54
78	Coupling Biomolecules to Fullerenes through a Molecular Adapter. Bioconjugate Chemistry, 2005, 16, 241-244.	3.6	13
79	Competitive Binding Assay Using Fluorescence Resonance Energy Transfer for the Identification of Calmodulin Antagonists. Bioconjugate Chemistry, 2005, 16, 1257-1263.	3.6	15
80	Response behavior of sodium-selective electrodes modified by surface attachment of the anticoagulant polysaccharides heparin and chondroitin sulfate. Talanta, 2005, 65, 261-266.	5.5	11
81	Protein Immobilization on Carbon Nanotubes Through a Molecular Adapter. Journal of Nanoscience and Nanotechnology, 2004, 4, 600-604.	0.9	21
82	Enzymatic recycling of NADPH at high temperature utilizing a thermostable glucose-6-phosphate dehydrogenase from Bacillus stearothermophilus. Journal of Molecular Catalysis B: Enzymatic, 2004, 28, 1-5.	1.8	8
83	Carbon nanotube aqueous sol-gel composites: enzyme-friendly platforms for the development of stable biosensors. Analytical Biochemistry, 2004, 329, 247-252.	2.4	114
84	Emerging issues: nutritional awareness in environmental toxicology. Journal of Nutritional Biochemistry, 2004, 15, 194-195.	4.2	16
85	Aligned Multiwalled Carbon Nanotube Membranes. Science, 2004, 303, 62-65.	12.6	1,251
86	Investigation into the Applicability of the Centrifugal Microfluidics Platform for the Development of Protein-Ligand Binding Assays Incorporating Enhanced Green Fluorescent Protein as a Fluorescent Reporter. Analytical Chemistry, 2004, 76, 7263-7268.	6.5	68
87	Hybrid Nanoparticles Based on Organized Protein Immobilization on Fullerenes. Bioconjugate Chemistry, 2004, 15, 12-15.	3.6	31
88	Artificial Muscle Material with Fast Electroactuation under Neutral pH Conditions. Chemistry of Materials, 2004, 16, 2499-2502.	6.7	102
89	Development of a Whole-Cell-Based Biosensor for Detecting Histamine as a Model Toxin. Analytical Chemistry, 2004, 76, 4156-4161.	6.5	51
90	Ionophore-based ion-selective potentiometric and optical sensors. Analytical and Bioanalytical Chemistry, 2003, 376, 328-341.	3.7	134

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91	Monitoring blood coagulation with magnetoelastic sensors. <i>Biosensors and Bioelectronics</i> , 2003, 18, 675-681.	10.1	68
92	Peer Reviewed: Responsive Drug Delivery Systems. <i>Analytical Chemistry</i> , 2003, 75, 206 A-213 A.	6.5	34
93	Alumina <sup>2+</sup> Pepsin Hybrid Nanoparticles with Orientation-Specific Enzyme Coupling. <i>Nano Letters</i> , 2003, 3, 55-58.	9.1	84
94	Covalent Immobilization of $\beta$ -Galactosidase onto a Gold-Coated Magnetoelastic Transducer via a Self-Assembled Monolayer: A Toward a Magnetoelastic Biosensor. <i>Analytical Chemistry</i> , 2003, 75, 6932-6937.	6.5	13
95	Amperometric Sensing at High Temperature with a "Wired" Thermostable Glucose-6-phosphate Dehydrogenase from <i>Aquifexaeolicus</i> . <i>Analytical Chemistry</i> , 2003, 75, 3898-3901.	6.5	22
96	<title>Wireless passive resonant-circuit sensors for monitoring food quality</title> . , 2002, , .		10
97	Biosensor for Asparagine Using a Thermostable Recombinant Asparaginase from <i>Archaeoglobusfulgidus</i> . <i>Analytical Chemistry</i> , 2002, 74, 3336-3341.	6.5	43
98	Fluorescent Ion-Selective Optode Membranes Incorporated onto a Centrifugal Microfluidics Platform. <i>Analytical Chemistry</i> , 2002, 74, 5569-5575.	6.5	77
99	Improving the Blood Compatibility of Ion-Selective Electrodes by Employing Poly(MPC-co-BMA), a Copolymer Containing Phosphorylcholine, as a Membrane Coating. <i>Analytical Chemistry</i> , 2002, 74, 3644-3648.	6.5	42
100	Potentiometric behavior of electrodes based on overoxidized polypyrrole films. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 786-790.	3.7	48
101	Cloning, expression, and characterization of the <i>gsdA</i> gene encoding thermophilic glucose-6-phosphate dehydrogenase from <i>Aquifex aeolicus</i> . <i>Extremophiles</i> , 2002, 6, 283-289.	2.3	26
102	Electron paramagnetic resonance spin label titration: a novel method to investigate random and site-specific immobilization of enzymes onto polymeric membranes with different properties. <i>Analytica Chimica Acta</i> , 2002, 470, 29-36.	5.4	11
103	Development of an assay for $\beta$ -lactam hydrolysis using the pH-dependence of enhanced green fluorescent protein. <i>Analytical Biochemistry</i> , 2002, 309, 224-231.	2.4	12
104	Characterization of Electrochemically Deposited Polypyrrole Using Magnetoelastic Material Transduction Elements. <i>Analytical Chemistry</i> , 2002, 74, 4050-4053.	6.5	12
105	Orientation Specific Immobilization of Organophosphorus Hydrolase on Magnetic Particles through Gene Fusion. <i>Biomacromolecules</i> , 2001, 2, 700-705.	5.4	34
106	Development of a Fully Integrated Analysis System for Ions Based on Ion-Selective Optodes and Centrifugal Microfluidics. <i>Analytical Chemistry</i> , 2001, 73, 3940-3946.	6.5	112
107	Carbon Nanotube Sol <sup>2+</sup> Gel Composite Materials. <i>Nano Letters</i> , 2001, 1, 719-721.	9.1	130
108	Reducing the Thrombogenicity of Ion-Selective Electrode Membranes through the Use of a Silicone-Modified Segmented Polyurethane. <i>Analytical Chemistry</i> , 2001, 73, 5328-5333.	6.5	29



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109	Polycysteine and Other Polyamino Acid Functionalized Microfiltration Membranes for Heavy Metal Capture. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3252-3258.	10.0	120
110	Catalytic biofunctional membranes containing site-specifically immobilized enzyme arrays: a review. <i>Journal of Membrane Science</i> , 2001, 181, 29-37.	8.2	114
111	Use of a Biomimetic Peptide in the Design of a Competitive Binding Assay for Biotin and Biotin Analogues. <i>Analytical Biochemistry</i> , 2001, 289, 82-88.	2.4	8
112	Activity Studies of Immobilized Subtilisin on Functionalized Pure Cellulose-Based Membranes. <i>Biotechnology Progress</i> , 2001, 17, 866-871.	2.6	22
113	Effect of Fabrication Factors on Performance of Screen-Printed/Laser Micromachined Electrochemical Nanovials. <i>Electroanalysis</i> , 2000, 12, 685-690.	2.9	7
114	Electrochemical Assay for Highly Charged Polyamino Acids: Application to Polyamino Acid Functionalized Microfiltration Membranes. <i>Electroanalysis</i> , 2000, 12, 1368-1372.	2.9	6
115	Design of Molecular Recognition Elements for Environmental Potentiometric Sensors. <i>ACS Symposium Series</i> , 2000, , 8-22.	0.5	1
116	A Selective Optical Sensor Based on [9]Mercuracarborand-3, a New Type of Ionophore with a Chloride Complexing Cavity. <i>Analytical Chemistry</i> , 2000, 72, 4249-4254.	6.5	57
117	Electrochemistry in Nanovials Fabricated by Combining Screen Printing and Laser Micromachining. <i>Analytical Chemistry</i> , 2000, 72, 497-501.	6.5	59
118	Tripodal Ionophore with Sulfate Recognition Properties for Anion-Selective Electrodes. <i>Analytical Chemistry</i> , 2000, 72, 5295-5299.	6.5	95
119	Hydrogen sulfite optical sensor based on a lipophilic guanidinium ionophore. <i>Analytica Chimica Acta</i> , 1999, 388, 63-69.	5.4	25
120	Controlled layer-by-layer immobilization of horseradish peroxidase. , 1999, 65, 389-396.		77
121	Guanidinium-Based Potentiometric SO <sub>2</sub> Gas Sensor. <i>Analytical Chemistry</i> , 1999, 71, 201-204.	6.5	13
122	Mercuracarborand –Anti-Crown Ether–Based Chloride-Sensitive Liquid/Polymeric Membrane Electrodes. <i>Analytical Chemistry</i> , 1999, 71, 1371-1377.	6.5	104
123	Biotin-Modified Surfaces by Electrochemical Polymerization of Biotinyl-Tyramide. <i>Electroanalysis</i> , 1998, 10, 58-60.	2.9	34
124	Oriented immobilization of proteins. <i>Mikrochimica Acta</i> , 1998, 128, 127-143.	5.0	239
125	Strategies for the Design of Biomimetic Oxoanion Ionophores for Ion-Selective Electrodes. <i>ACS Symposium Series</i> , 1998, , 248-256.	0.5	3
126	Synthesis and Evaluation of a Bis(crown ether) Ionophore with a Conformationally Constrained Bridge in Ion-Selective Electrodes.. <i>Analytical Sciences</i> , 1998, 14, 169-173.	1.6	19



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127	Biologically Inspired Recognition Chemistry for Biosensors. , 1998, , 97-106.		1
128	Kinetic Studies of Site-Specifically and Randomly Immobilized Alkaline Phosphatase on Functionalized Membranes. Journal of Chemical Technology and Biotechnology, 1997, 68, 294-302.	3.2	31
129	[29] Fluorophore-linked assays for high-performance liquid chromatography postcolumn reaction detection of biotin and biocytin. Methods in Enzymology, 1997, 279, 275-286.	1.0	8
130	Determination of the Extent of Protein Biotinylation by Fluorescence Binding Assay. Bioconjugate Chemistry, 1997, 8, 94-98.	3.6	20
131	Improving the Activity of Immobilized Subtilisin by Site-Specific Attachment to Surfaces. Analytical Chemistry, 1997, 69, 4601-4607.	6.5	75
132	Salicylate-Selective Electrode Based on a Biomimetic Guanidinium Ionophore. Analytical Chemistry, 1997, 69, 1273-1278.	6.5	66
133	Development of NOx gas sensors based on nitrate-selective polypyrrole electrodes. Electroanalysis, 1997, 9, 1049-1053.	2.9	10
134	Selective membrane transport of dicarboxylic acids in their neutral form by a synthetic receptor containing amidopyridine groups. Analytica Chimica Acta, 1997, 343, 287-294.	5.4	3
135	Effect of Surface-Attached Heparin on the Response of Potassium-Selective Electrodes. Analytical Chemistry, 1996, 68, 1439-1443.	6.5	33
136	Biomimetic Approach to the Design of Selective Oxoanion Receptors for Use in Membrane-Based Potentiometric Sensors. , 1996, , 35-44.		6
137	Nitrite-selective electrode based on an electropolymerized cobalt phthalocyanine. Electroanalysis, 1995, 7, 710-713.	2.9	65
138	Potentiometric enzyme electrode for urea based on electrochemically prepared polypyrrole membranes. Mikrochimica Acta, 1995, 121, 63-72.	5.0	16
139	Preparation of Biotinylated .beta.-Galactosidase Conjugates for Competitive Binding Assays by Posttranslational Modification of Recombinant Proteins. Analytical Chemistry, 1995, 67, 1301-1306.	6.5	11
140	Nitrate-Selective Electrode Developed by Electrochemically Mediated Imprinting/Doping of Polypyrrole. Analytical Chemistry, 1995, 67, 1654-1660.	6.5	238
141	Class-Selective Detection System for Liquid Chromatography Based on the Streptavidin-Biotin Interaction. Analytical Chemistry, 1995, 67, 1014-1018.	6.5	18
142	Electropolymerized Films in the Development of Biosensors. ACS Symposium Series, 1994, , 295-304.	0.5	0
143	Fiber optic chemical sensor for nitrite based on an electropolymerized cobaltporphyrin film. Talanta, 1994, 41, 963-968.	5.5	16
144	Anion-selective electrodes based on a gold(III)-triisobutylphosphine sulfide complex. Analyst, The, 1994, 119, 2421.	3.5	38

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145	Fiber optic sensor for calcium(2+) based on an induced change in the conformation of the protein calmodulin. Analytical Chemistry, 1994, 66, 300-302.	6.5	30
146	Use of a Guanidinium Ionophore in a Hydrogen Sulfite-Selective Electrode. Analytical Chemistry, 1994, 66, 3188-3192.	6.5	55
147	Fluorescence-based flow-injection determination of biotin and biotinylated compounds. Analytica Chimica Acta, 1993, 279, 287-292.	5.4	17
148	Iodide-selective electrodes based on a mercury-triisobutylphosphine sulfide complex. Electroanalysis, 1993, 5, 839-843.	2.9	27
149	Sensitive and selective liquid chromatographic postcolumn reaction detection system for biotin and biocytin using a homogeneous fluorophore-linked assay. Journal of Chromatography A, 1993, 654, 79-86.	3.7	26
150	Vitamin B12 derivatives as anion carriers in transport through supported liquid membranes and correlation with their behavior in ion-selective electrodes. Analytical Chemistry, 1993, 65, 1533-1536.	6.5	33
151	Potentiometric and fiber optic sensors for pH based on an electropolymerized cobalt porphyrin. Analytical Chemistry, 1993, 65, 2155-2158.	6.5	74
152	Observation of "hook effects" in the inhibition and dose-response curves of biotin assays based on the interaction of biotinylated glucose oxidase with (strept)avidin. Analytical Chemistry, 1993, 65, 457-460.	6.5	19
153	Enzyme-linked immunosorbent assay for an octapeptide based on a genetically engineered fusion protein. Analytical Chemistry, 1993, 65, 1147-1151.	6.5	18
154	Enhancement of the emission intensity of fluorophore-labeled avidin by biotin and biotin derivatives. Evaluation of different fluorophores for improved sensitivity. Talanta, 1993, 40, 1139-1145.	5.5	16
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