

# Leonidas G Bachas

## List of Publications by Year in descending order

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183  
papers

8,117  
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61687

45  
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66518

82  
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188  
all docs

188  
docs citations

188  
times ranked

10369  
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.	5.3	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.	1.5	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.	2.2	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.	2.7	8
5	Design of a mediator-free, non-enzymatic electrochemical biosensor for glutamate detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 31, 102305.	1.7	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.	2.4	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.	2.4	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.	3.2	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.	1.6	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.	2.4	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.	2.9	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.	2.9	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.	2.4	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.	3.2	10
15	Cyanostar: C-H Hydrogen Bonding Neutral Carrier Scaffold for Anion-Selective Sensors. <i>Analytical Chemistry</i> , 2018, 90, 1925-1933.	3.2	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.	10.8	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.	5.2	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.	1.7	2

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19	Potential Impacts of PCBs on Sediment Microbiomes in a Tropical Marine Environment. <i>Journal of Marine Science and Engineering</i> , 2016, 4, 13.	1.2	1
20	Converting Light Energy to Chemical Energy: A New Catalytic Approach for Sustainable Environmental Remediation. <i>ACS Omega</i> , 2016, 1, 41-51.	1.6	12
21	Environmental PCBs in GuÃ¡nica Bay, Puerto Rico: implications for community health. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2003-2013.	2.7	14
22	Direct Synthetic Control over the Size, Composition, and Photocatalytic Activity of Octahedral Copper Oxide Materials: Correlation Between Surface Structure and Catalytic Functionality. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13238-13250.	4.0	34
23	Preorganized composite material of polyanilineâ€™ palladium nanoparticles with high electrocatalytic activity to methanol and ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6745-6753.	3.8	36
24	Synthesis of Nanostructured Bimetallic Particles in Polyligand-Functionalized Membranes for Remediation Applications. , 2014, , 369-393.		3
25	Light-Activated Tandem Catalysis Driven by Multicomponent Nanomaterials. <i>Journal of the American Chemical Society</i> , 2014, 136, 32-35.	6.6	94
26	Polymeric plasticizer extends the lifetime of PVC-membrane ion-selective electrodes. <i>Analyst</i> , The, 2014, 139, 757-763.	1.7	48
27	Reactivity of Pd/Fe bimetallic nanotubes in dechlorination of coplanar polychlorinated biphenyls. <i>Chemosphere</i> , 2013, 91, 165-171.	4.2	31
28	Selectivity properties of corrin-doped polypyrrole film. <i>Monatshefte FÃ¼r Chemie</i> , 2013, 144, 781-791.	0.9	4
29	Bifunctional bisphosphonates for delivering PTH (1-34) to bone mineral with enhanced bioactivity. <i>Biomaterials</i> , 2013, 34, 3141-3149.	5.7	25
30	Nutrition Can Modulate the Toxicity of Environmental Pollutants: Implications in Risk Assessment and Human Health. <i>Environmental Health Perspectives</i> , 2012, 120, 771-774.	2.8	83
31	Bioluminescence Inhibition Assay for the Detection of Hydroxylated Polychlorinated Biphenyls. <i>Analytical Chemistry</i> , 2012, 84, 7648-7655.	3.2	9
32	Oriented Immobilization of Proteins on Hydroxyapatite Surface Using Bifunctional Bisphosphonates as Linkers. <i>Biomacromolecules</i> , 2012, 13, 1742-1749.	2.6	31
33	Palladium nanoparticle-decorated iron nanotubes hosted in a polycarbonate porous membrane: development, characterization, and performance as electrocatalysts of ascorbic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1637-1642.	1.9	6
34	Fibronectin Binding to the <i>Treponema pallidum</i> Adhesin Protein Fragment rTp0483 on Functionalized Self-Assembled Monolayers. <i>Bioconjugate Chemistry</i> , 2012, 23, 184-195.	1.8	16
35	Development of reactive Pd/Fe bimetallic nanotubes for dechlorination reactions. <i>Journal of Materials Chemistry</i> , 2011, 21, 10454.	6.7	24
36	Enhanced Affinity Bifunctional Bisphosphonates for Targeted Delivery of Therapeutic Agents to Bone. <i>Bioconjugate Chemistry</i> , 2011, 22, 2496-2506.	1.8	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.	3.3	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.	3.2	45
39	Electrochemical properties and temperature dependence of a recombinant laccase from Thermus thermophilus. Analytical and Bioanalytical Chemistry, 2011, 399, 361-366.	1.9	26
40	Morphological control of Ni/NiO core/shell nanoparticles and production of hollow NiO nanostructures. Journal of Nanoparticle Research, 2010, 12, 2883-2893.	0.8	29
41	Can Temperature Be Used To Tune the Selectivity of Membrane Ion-Selective Electrodes?. Analytical Chemistry, 2010, 82, 3622-3628.	3.2	16
42	Triazolophanes: A New Class of Halide-Selective Ionophores for Potentiometric Sensors. Analytical Chemistry, 2010, 82, 368-375.	3.2	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.	1.3	17
45	Chelate-Modified Fenton Reaction for the Degradation of Trichloroethylene in Aqueous and Two-Phase Systems. Environmental Engineering Science, 2009, 26, 849-859.	0.8	88
46	Glucose Responsive Hydrogel Networks Based on Protein Recognition. Macromolecular Bioscience, 2009, 9, 864-868.	2.1	61
47	Fabrication and Biofunctionalization of Carbon-Encapsulated Au Nanoparticles. Chemistry of Materials, 2009, 21, 1176-1178.	3.2	51
48	Degradation of Trichloroethylene by Iron-Based Bimetallic Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 9454-9464.	1.5	78
49	Microfluidic ion-sensing devices. Analytica Chimica Acta, 2008, 613, 20-30.	2.6	32
50	Biosensor incorporating cell barrier architectures on ion selective electrodes for early screening of cancer. Analytical and Bioanalytical Chemistry, 2008, 391, 2783-2791.	1.9	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.	6.5	44
52	Coplanar polychlorinated biphenyl-induced CYP1A1 is regulated through caveolae signaling in vascular endothelial cells. Chemo-Biological Interactions, 2008, 176, 71-78.	1.7	33
53	Alumina nanoparticles induce expression of endothelial cell adhesion molecules. Toxicology Letters, 2008, 178, 160-166.	0.4	147
54	Ligand-Modified Aminobisphosphonate for Linking Proteins to Hydroxyapatite and Bone Surface. Bioconjugate Chemistry, 2008, 19, 315-321.	1.8	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.	4.2	28
56	Hydroxylated Polychlorinated Biphenyl Detection Based on a Genetically Engineered Bioluminescent Whole-Cell Sensing System. <i>Analytical Chemistry</i> , 2007, 79, 5740-5745.	3.2	61
57	Centrifugal Microfluidics with Integrated Sensing Microdome Optodes for Multiion Detection. <i>Analytical Chemistry</i> , 2007, 79, 8046-8054.	3.2	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.	1.8	32
59	Functional One-Dimensional Nanomaterials: Applications in Nanoscale Biosensors. <i>Analytical Letters</i> , 2007, 40, 2067-2096.	1.0	90
60	Calmodulin-mediated reversible immobilization of enzymes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 20-27.	2.5	15
61	Nitrate-selective electrode based on a cyclic bis-thiourea ionophore. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 200-207.	4.0	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.	1.9	11
64	Hinge-Motion Binding Proteins: Unraveling Their Analytical Potential. <i>Analytical Chemistry</i> , 2006, 78, 6692-6700.	3.2	23
65	Decyl Methacrylate-Based Microspot Optodes. <i>Analytical Chemistry</i> , 2006, 78, 524-529.	3.2	6
66	Voltage-switchable artificial muscles actuating at near neutral pH. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 379-383.	4.0	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.	0.7	13
68	Enhancing the blood compatibility of ion-selective electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 65-72.	1.9	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.	1.9	18
70	ClcR-based biosensing system in the detection of cis-dihydroxylated (chloro-)biphenyls. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 807-813.	1.9	13
71	Microfabrication of screen-printed nanoliter vials with embedded surface-modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 259-265.	1.9	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. <i>Materials Research Society Symposia Proceedings</i> , 2006, 952, 2.	0.1	0
74	Magnetoelastic transducers for monitoring coagulation, clot inhibition, and fibrinolysis. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1737-1743.	5.3	27
75	Genetically engineered protein in hydrogels tailors stimuli-responsive characteristics. <i>Nature Materials</i> , 2005, 4, 298-302.	13.3	273
76	Vascular endothelial growth factor as a biomarker for the early detection of cancer using a whole cell-based biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1010-1016.	1.9	20
77	Kinetics Studies of Trichlorophenol Destruction by Chelate-Based Fenton Reaction. <i>Environmental Engineering Science</i> , 2005, 22, 756-771.	0.8	54
78	Coupling Biomolecules to Fullerenes through a Molecular Adapter. <i>Bioconjugate Chemistry</i> , 2005, 16, 241-244.	1.8	13
79	Competitive Binding Assay Using Fluorescence Resonance Energy Transfer for the Identification of Calmodulin Antagonists. <i>Bioconjugate Chemistry</i> , 2005, 16, 1257-1263.	1.8	15
80	Response behavior of sodium-selective electrodes modified by surface attachment of the anticoagulant polysaccharides heparin and chondroitin sulfate. <i>Talanta</i> , 2005, 65, 261-266.	2.9	11
81	Protein Immobilization on Carbon Nanotubes Through a Molecular Adapter. <i>Journal of Nanoscience and Nanotechnology</i> , 2004, 4, 600-604.	0.9	21
82	Enzymatic recycling of NADPH at high temperature utilizing a thermostable glucose-6-phosphate dehydrogenase from <i>Bacillus stearothermophilus</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 1-5.	1.8	8
83	Carbon nanotube aqueous sol-gel composites: enzyme-friendly platforms for the development of stable biosensors. <i>Analytical Biochemistry</i> , 2004, 329, 247-252.	1.1	114
84	Emerging issues: nutritional awareness in environmental toxicology. <i>Journal of Nutritional Biochemistry</i> , 2004, 15, 194-195.	1.9	16
85	Aligned Multiwalled Carbon Nanotube Membranes. <i>Science</i> , 2004, 303, 62-65.	6.0	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. <i>Analytical Chemistry</i> , 2004, 76, 7263-7268.	3.2	68
87	Hybrid Nanoparticles Based on Organized Protein Immobilization on Fullerenes. <i>Bioconjugate Chemistry</i> , 2004, 15, 12-15.	1.8	31
88	Artificial Muscle Material with Fast Electroactuation under Neutral pH Conditions. <i>Chemistry of Materials</i> , 2004, 16, 2499-2502.	3.2	102
89	Development of a Whole-Cell-Based Biosensor for Detecting Histamine as a Model Toxin. <i>Analytical Chemistry</i> , 2004, 76, 4156-4161.	3.2	51
90	Ionophore-based ion-selective potentiometric and optical sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 328-341.	1.9	134

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91	Monitoring blood coagulation with magnetoelastic sensors. <i>Biosensors and Bioelectronics</i> , 2003, 18, 675-681.	5.3	68
92	Peer Reviewed: Responsive Drug Delivery Systems. <i>Analytical Chemistry</i> , 2003, 75, 206 A-213 A.	3.2	34
93	Alumina <sup>2+</sup> Pepsin Hybrid Nanoparticles with Orientation-Specific Enzyme Coupling. <i>Nano Letters</i> , 2003, 3, 55-58.	4.5	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.	3.2	13
95	Amperometric Sensing at High Temperature with a $\alpha$ -Wired $\alpha$ -Thermostable Glucose-6-phosphate Dehydrogenase from <i>Aquifexaeolicus</i> . <i>Analytical Chemistry</i> , 2003, 75, 3898-3901.	3.2	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.	3.2	43
98	Fluorescent Ion-Selective Optode Membranes Incorporated onto a Centrifugal Microfluidics Platform. <i>Analytical Chemistry</i> , 2002, 74, 5569-5575.	3.2	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.	3.2	42
100	Potentiometric behavior of electrodes based on overoxidized polypyrrole films. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 786-790.	1.9	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.	0.9	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.	2.6	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.	1.1	12
104	Characterization of Electrochemically Deposited Polypyrrole Using Magnetoelastic Material Transduction Elements. <i>Analytical Chemistry</i> , 2002, 74, 4050-4053.	3.2	12
105	Orientation Specific Immobilization of Organophosphorus Hydrolase on Magnetic Particles through Gene Fusion. <i>Biomacromolecules</i> , 2001, 2, 700-705.	2.6	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.	3.2	112
107	Carbon Nanotube Sol <sup>2+</sup> Gel Composite Materials. <i>Nano Letters</i> , 2001, 1, 719-721.	4.5	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.	3.2	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.	4.6	120
110	Catalytic biofunctional membranes containing site-specifically immobilized enzyme arrays: a review. <i>Journal of Membrane Science</i> , 2001, 181, 29-37.	4.1	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.	1.1	8
112	Activity Studies of Immobilized Subtilisin on Functionalized Pure Cellulose-Based Membranes. <i>Biotechnology Progress</i> , 2001, 17, 866-871.	1.3	22
113	Effect of Fabrication Factors on Performance of Screen-Printed/Laser Micromachined Electrochemical Nanovials. <i>Electroanalysis</i> , 2000, 12, 685-690.	1.5	7
114	Electrochemical Assay for Highly Charged Polyamino Acids: Application to Polyamino Acid Functionalized Microfiltration Membranes. <i>Electroanalysis</i> , 2000, 12, 1368-1372.	1.5	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.	3.2	57
117	Electrochemistry in Nanovials Fabricated by Combining Screen Printing and Laser Micromachining. <i>Analytical Chemistry</i> , 2000, 72, 497-501.	3.2	59
118	Tripodal Ionophore with Sulfate Recognition Properties for Anion-Selective Electrodes. <i>Analytical Chemistry</i> , 2000, 72, 5295-5299.	3.2	95
119	Hydrogen sulfite optical sensor based on a lipophilic guanidinium ionophore. <i>Analytica Chimica Acta</i> , 1999, 388, 63-69.	2.6	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.	3.2	13
122	Mercuracarborand "Anti-Crown Ether" Based Chloride-Sensitive Liquid/Polymeric Membrane Electrodes. <i>Analytical Chemistry</i> , 1999, 71, 1371-1377.	3.2	104
123	Biotin-Modified Surfaces by Electrochemical Polymerization of Biotinyl-Tyramide. <i>Electroanalysis</i> , 1998, 10, 58-60.	1.5	34
124	Oriented immobilization of proteins. <i>Mikrochimica Acta</i> , 1998, 128, 127-143.	2.5	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.	0.8	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.	1.6	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.	0.4	8
130	Determination of the Extent of Protein Biotinylation by Fluorescence Binding Assay. Bioconjugate Chemistry, 1997, 8, 94-98.	1.8	20
131	Improving the Activity of Immobilized Subtilisin by Site-Specific Attachment to Surfaces. Analytical Chemistry, 1997, 69, 4601-4607.	3.2	75
132	Salicylate-Selective Electrode Based on a Biomimetic Guanidinium Ionophore. Analytical Chemistry, 1997, 69, 1273-1278.	3.2	66
133	Development of NO <sub>x</sub> gas sensors based on nitrate-selective polypyrrole electrodes. Electroanalysis, 1997, 9, 1049-1053.	1.5	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.	2.6	3
135	Effect of Surface-Attached Heparin on the Response of Potassium-Selective Electrodes. Analytical Chemistry, 1996, 68, 1439-1443.	3.2	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.	1.5	65
138	Potentiometric enzyme electrode for urea based on electrochemically prepared polypyrrole membranes. Mikrochimica Acta, 1995, 121, 63-72.	2.5	16
139	Preparation of Biotinylated .beta.-Galactosidase Conjugates for Competitive Binding Assays by Posttranslational Modification of Recombinant Proteins. Analytical Chemistry, 1995, 67, 1301-1306.	3.2	11
140	Nitrate-Selective Electrode Developed by Electrochemically Mediated Imprinting/Doping of Polypyrrole. Analytical Chemistry, 1995, 67, 1654-1660.	3.2	238
141	Class-Selective Detection System for Liquid Chromatography Based on the Streptavidin-Biotin Interaction. Analytical Chemistry, 1995, 67, 1014-1018.	3.2	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.	2.9	16
144	Anion-selective electrodes based on a gold(III)-triisobutylphosphine sulfide complex. Analyst, The, 1994, 119, 2421.	1.7	38

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145	Fiber optic sensor for calcium(2+) based on an induced change in the conformation of the protein calmodulin. <i>Analytical Chemistry</i> , 1994, 66, 300-302.	3.2	30
146	Use of a Guanidinium Ionophore in a Hydrogen Sulfite-Selective Electrode. <i>Analytical Chemistry</i> , 1994, 66, 3188-3192.	3.2	55
147	Fluorescence-based flow-injection determination of biotin and biotinylated compounds. <i>Analytica Chimica Acta</i> , 1993, 279, 287-292.	2.6	17
148	Iodide-selective electrodes based on a mercury-triisobutylphosphine sulfide complex. <i>Electroanalysis</i> , 1993, 5, 839-843.	1.5	27
149	Sensitive and selective liquid chromatographic postcolumn reaction detection system for biotin and biocytin using a homogeneous fluorophore-linked assay. <i>Journal of Chromatography A</i> , 1993, 654, 79-86.	1.8	26
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