# David R Walt

List of Publications by Year
in descending order



| 140 | 9,699 | 53660 45 | 42291 92 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 159 | 159 | 159 | 11758 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Single-molecule enzyme-linked immunosorbent assay detects serum proteins at subfemtomolar concentrations. Nature Biotechnology, 2010, 28, 595-599. | 9.4 | 1,557 |
| 2 | How many human proteoforms are there?. Nature Chemical Biology, 2018, 14, 206-214. | 3.9 | 580 |
| 3 | A chemical-detecting system based on a cross-reactive optical sensor array. Nature, 1996, 382, 697-700. | 13.7 | 406 |
| 4 | Advancing the speed, sensitivity and accuracy of biomolecular detection using multi-length-scale engineering. Nature Nanotechnology, 2014, 9, 969-980. | 15.6 | 349 |
| 5 | Randomly Ordered Addressable High-Density Optical Sensor Arrays. Analytical Chemistry, 1998, 70, 1242-1248. | 3.2 | 318 |
| 6 | Screening unlabeled DNA targets with randomly ordered fiber-optic gene arrays. Nature Biotechnology, 2000, 18, 91-94. | 9.4 | 273 |
| 7 | Nanosphereâ˜Microsphere Assembly:Â Methods for Coreâ˜Shell Materials Preparation. Chemistry of Materials, 2001, 13, 2210-2216. | 3.2 | 232 |
| 8 | Highly Sensitive and Multiplexed Protein Measurements. Chemical Reviews, 2019, 119, 293-321. | 23.0 | 187 |
| 9 | Optical Methods for Single Molecule Detection and Analysis. Analytical Chemistry, 2013, 85, 1258-1263. | 3.2 | 185 |
| 10 | Convergent, Self-Encoded Bead Sensor Arrays in the Design of an Artificial Nose. Analytical Chemistry, 1999, 71, 2192-2198. | 3.2 | 179 |
| 11 | Digital Concentration Readout of Single Enzyme Molecules Using Femtoliter Arrays and Poisson Statistics. Nano Letters, 2006, 6, 520-523. | 4.5 | 177 |
| 12 | Multisystem inflammatory syndrome in children is driven by zonulin-dependent loss of gut mucosal barrier. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 170 |
| 13 | Ordered Nanowell Arrays. Chemistry of Materials, 1996, 8, 2832-2835. | 3.2 | 146 |
| 14 | Circulating Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Vaccine Antigen Detected in the Plasma of mRNA-1273 Vaccine Recipients. Clinical Infectious Diseases, 2022, 74, 715-718. | 2.9 | 141 |
| 15 | Single Molecule Protein Detection with Attomolar Sensitivity Using Droplet Digital Enzyme-Linked Immunosorbent Assay. ACS Nano, 2020, 14, 9491-9501. | 7.3 | 138 |
| 16 | Ultra-Sensitive Serial Profiling of SARS-CoV-2 Antigens and Antibodies in Plasma to Understand Disease Progression in COVID-19 Patients with Severe Disease. Clinical Chemistry, 2020, 66, 1562-1572. | 1.5 | 134 |
| 17 | Mechanistic Aspects of Horseradish Peroxidase Elucidated through Single-Molecule Studies. Journal of the American Chemical Society, 2009, 131, 6277-6282. | 6.6 | 129 |
| 18 | Finding useful biomarkers for Parkinsonâ€™s disease. Science Translational Medicine, 2018, 10, . | 5.8 | 125 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Distinct and Long-Lived Activity States of Single Enzyme Molecules. Journal of the American Chemical Society, 2008, 130, 5349-5353. | 6.6 | 119 |
| 20 | L1CAM is not associated with extracellular vesicles in human cerebrospinal fluid or plasma. Nature Methods, 2021, 18, 631-634. | 9.0 | 118 |
| 21 | Stochastic inhibitor release and binding from single-enzyme molecules. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17680-17685. | 3.3 | 115 |
| 22 | CHEMISTRY: Miniature Analytical Methods for Medical Diagnostics. Science, 2005, 308, 217-219. | 6.0 | 114 |
| 23 | Ultrasensitive high-resolution profiling of early seroconversion in patients with COVID-19. Nature Biomedical Engineering, 2020, 4, 1180-1187. | 11.6 | 110 |
| 24 | Competitive Immunoassays for the Detection of Small Molecules Using Single Molecule Arrays. Journal of the American Chemical Society, 2018, 140, 18132-18139. | 6.6 | 102 |
| 25 | Single-Molecule Arrays for Protein and Nucleic Acid Analysis. Annual Review of Analytical Chemistry, 2017, 10, 345-363. | 2.8 | 101 |
| 26 | A fibre-optic chemical sensor with discrete sensing sites. Nature, 1991, 353, 338-340. | 13.7 | 98 |
| 27 | Fibre optic microarrays. Chemical Society Reviews, 2010, 39, 38-50. | 18.7 | 97 |
| 28 | Digital direct detection of microRNAs using single molecule arrays. Nucleic Acids Research, 2017, 45, e137-e137. | 6.5 | 91 |
| 29 | Digital Readout of Target Binding with Attomole Detection Limits via Enzyme Amplification in Femtoliter Arrays. Journal of the American Chemical Society, 2006, 128, 6286-6287. | 6.6 | 90 |
| 30 | Ultrasensitive Detection of Attomolar Protein Concentrations by Dropcast Single Molecule Assays. Journal of the American Chemical Society, 2020, 142, 12314-12323. | 6.6 | 90 |
| 31 | Donor Clonal Hematopoiesis and Recipient Outcomes After Transplantation. Journal of Clinical Oncology, 2022, 40, 189-201. | 0.8 | 79 |
| 32 | Microsphere-Based Rolling Circle Amplification Microarray for the Detection of DNA and Proteins in a Single Assay. Analytical Chemistry, 2009, 81, 5777-5782. | 3.2 | 78 |
| 33 | Plasma IL-6 changes correlate to PD-1 inhibitor responses in NSCLC. , 2020, 8, e000678. | | 78 |
| 34 | Direct Detection of Bacterial Genomic DNA at Sub-Femtomolar Concentrations Using Single Molecule Arrays. Analytical Chemistry, 2013, 85, 1932-1939. | 3.2 | 73 |
| 35 | Analytical Chemistry on the Femtoliter Scale. Angewandte Chemie - International Edition, 2010, 49, 3880-3895. | 7.2 | 72 |
| 36 | Single molecule array (Simoa) assay with optimal antibody pairs for cytokine detection in human serum samples. Analyst, The, 2015, 140, 6277-6282. | 1.7 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Can mHealth Technology Help Mitigate the Effects of the COVID-19 Pandemic?. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 243-248. | 1.7 | 69 |
| 38 | Detection of Single-Molecule DNA Hybridization Using Enzymatic Amplification in an Array of Femtoliter-Sized Reaction Vessels. Journal of the American Chemical Society, 2008, 130, 12622-12623. | 6.6 | 67 |
| 39 | A Combinatorial Approach To Discover New Chelators for Optical Metal Ion Sensing. Analytical Chemistry, 2000, 72, 5250-5257. | 3.2 | 65 |
| 40 | An olfactory neuronal network for vapor recognition in an artificial nose. Biological Cybernetics, 1998, 78, 245-251. | 0.6 | 58 |
| 41 | CMOS Microelectrode Array for Electrochemical Lab-on-a-Chip Applications. IEEE Sensors Journal, 2009, 9, 609-615. | 2.4 | 58 |
| 42 | Synthesis of gold-poly(methyl methacrylate) core-shell nanoparticles by surface-confined atom transfer radical polymerization at elevated temperature. Journal of Polymer Science Part A, 2005, 43, 3631-3642. | 2.5 | 55 |
| 43 | Lessons learned from the introduction of personalized genotyping into a medical school curriculum. Genetics in Medicine, 2011, 13, 63-66. | 1.1 | 54 |
| 44 | An automated integrated platform for rapid and sensitive multiplexed protein profiling using human saliva samples. Lab on A Chip, 2014, 14, 1087. | 3.1 | 54 |
| 45 | An imaging fiber-based optical tweezer array for microparticle array assembly. Applied Physics Letters, 2004, 84, 4289-4291. | 1.5 | 53 |
| 46 | Framework for rapid comparison of extracellular vesicle isolation methods. ELife, 2021, 10, . | 2.8 | 51 |
| 47 | High-Throughput, High-Multiplex Digital Protein Detection with Attomolar Sensitivity. ACS Nano, 2022, 16, 1025-1035. | 7.3 | 51 |
| 48 | Disease Detection by Ultrasensitive Quantification of Microdosed Synthetic Urinary Biomarkers. Journal of the American Chemical Society, 2014, 136, 13709-13714. | 6.6 | 50 |
| 49 | Parkinson's disease biomarkers: perspective from the NINDS Parkinson's Disease Biomarkers Program. Biomarkers in Medicine, 2017, 11, 451-473. | 0.6 | 49 |
| 50 | Imaging optical sensor arrays. Current Opinion in Chemical Biology, 2002, 6, 689-695. | 2.8 | 46 |
| 51 | An Autonomous Sensor and Telemetry System for Low-Level pCO2Measurements in Seawater. Analytical Chemistry, 1999, 71, 154-161. | 3.2 | 45 |
| 52 | Ultrasensitive Detection of Ricin Toxin in Multiple Sample Matrixes Using Single-Domain Antibodies. Analytical Chemistry, 2015, 87, 6570-6577. | 3.2 | 45 |
| 53 | Simultaneous detection of small molecules, proteins and microRNAs using single molecule arrays. Chemical Science, 2020, 11, 7896-7903. | 3.7 | 45 |
| 54 | A Fiber-Optic Carbon Dioxide Sensor for Fermentation Monitoring. Nature Biotechnology, 1995, 13, 597-601. | 9.4 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Opticalâ€fiber bundles. FEBS Journal, 2007, 274, 5462-5470. | 2.2 | 44 |
| 56 | Fiber-optic array using molecularly imprinted microspheres for antibiotic analysis. Chemical Science, 2015, 6, 3139-3147. | 3.7 | 44 |
| 57 | A rapid triage test for active pulmonary tuberculosis in adult patients with persistent cough. Science Translational Medicine, 2019, 11, . | 5.8 | 44 |
| 58 | Toward a near-field optical array. Review of Scientific Instruments, 1997, 68, 1357-1359. | 0.6 | 43 |
| 59 | Ultra-sensitive protein detection via Single Molecule Arrays towards early stage cancer monitoring. Scientific Reports, 2015, 5, 11034. | 1.6 | 43 |
| 60 | Duplexed sandwich immunoassays on a fiber-optic microarray. Analytica Chimica Acta, 2006, 564, 34-39. | 2.6 | 41 |
| 61 | Oil-sealed femtoliter fiber-optic arrays for single molecule analysis. Lab on A Chip, 2012, 12, 2229. | 3.1 | 41 |
| 62 | Microsensor Arrays for Saliva Diagnostics. Annals of the New York Academy of Sciences, 2007, 1098, 389-400. | 1.8 | 39 |
| 63 | Protein Counting in Single Cancer Cells. Analytical Chemistry, 2016, 88, 2952-2957. | 3.2 | 37 |
| 64 | Singleâ€Molecule Analysis Determines Isozymes of Human Alkaline Phosphatase in Serum. Angewandte Chemie - International Edition, 2020, 59, 18010-18015. | 7.2 | 36 |
| 65 | Salivary Inflammatory Mediator Profiling and Correlation to Clinical Disease Markers in Asthma. PLoS ONE, 2014, 9, e84449. | 1.1 | 35 |
| 66 | Long-Term Measurements of Human Inflammatory Cytokines Reveal Complex Baseline Variations between Individuals. American Journal of Pathology, 2017, 187, 2620-2626. | 1.9 | 34 |
| 67 | Simplified Digital Enzyme-Linked Immunosorbent Assay Using Tyramide Signal Amplification and Fibrin Hydrogels. ACS Sensors, 2020, 5, 3037-3042. | 4.0 | 34 |
| 68 | Ultrasensitive Measurement of Both SARS-CoV-2 RNA and Antibodies from Saliva. Analytical Chemistry, 2021, 93, 5365-5370. | 3.2 | 34 |
| 69 | Protective heterologous TÂcell immunity in COVID-19 induced by the trivalent MMR and Tdap vaccine antigens. Med, 2021, 2, 1050-1071.e7. | 2.2 | 33 |
| 70 | Ubiquitous Sensors: When Will They Be Here?. ACS Nano, 2009, 3, 2876-2880. | 7.3 | 32 |
| 71 | Ectopic Lymphoid Follicle Formation and Human Seasonal Influenza Vaccination Responses Recapitulated in an Organâ€onâ€aâ€Chip. Advanced Science, 2022, 9, e2103241. | 5.6 | 32 |
| 72 | Protein measurements in microwells. Lab on A Chip, 2014, 14, 3195-3200. | 3.1 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Incorporation of Slow Off-Rate Modified Aptamers Reagents in Single Molecule Array Assays for Cytokine Detection with Ultrahigh Sensitivity. Analytical Chemistry, 2016, 88, 8385-8389. | 3.2 | 31 |
| 74 | Fiber-optic Sensor for Continuous Monitoring of Fermentation pH. Nature Biotechnology, 1993, 11, 726-729. | 9.4 | 30 |
| 75 | Reverse Transcriptase Inhibition Disrupts Repeat Element Life Cycle in Colorectal Cancer. Cancer Discovery, 2022, 12, 1462-1481. | 7.7 | 30 |
| 76 | Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. Frontiers in Immunology, 2020, 11, 580373. | 2.2 | 28 |
| 77 | Ultrasensitive Detection of Enzymatic Activity Using Single Molecule Arrays. Journal of the American Chemical Society, 2020, 142, 15098-15106. | 6.6 | 27 |
| 78 | The American lobster genome reveals insights on longevity, neural, and immune adaptations. Science Advances, 2021, 7, . | 4.7 | 27 |
| 79 | Multiplexed Salivary Protein Profiling for Patients with Respiratory Diseases Using Fiber-Optic Bundles and Fluorescent Antibody-Based Microarrays. Analytical Chemistry, 2013, 85, 9272-9280. | 3.2 | 26 |
| 80 | Detection of amyloid Î² oligomers toward early diagnosis of Alzheimer's disease. Analytical Biochemistry, 2019, 566, 40-45. | 1.1 | 25 |
| 81 | Using Antigenâ€“antibody Binding Kinetic Parameters to Understand Single-Molecule Array Immunoassay Performance. Analytical Chemistry, 2016, 88, 11335-11339. | 3.2 | 23 |
| 82 | Single-Molecule Mechanistic Study of Enzyme Hysteresis. ACS Central Science, 2019, 5, 1691-1698. | 5.3 | 23 |
| 83 | Single-molecule measurements in microwells for clinical applications. Critical Reviews in Clinical Laboratory Sciences, 2020, 57, 270-290. | 2.7 | 23 |
| 84 | Bead-based optical fiber arrays for artificial olfaction. Current Opinion in Chemical Biology, 2010, 14, 767-770. | 2.8 | 22 |
| 85 | Evaluation of Antibody Biotinylation Approaches for Enhanced Sensitivity of Single Molecule Array (Simoa) Immunoassays. Bioconjugate Chemistry, 2018, 29, 3452-3458. | 1.8 | 22 |
| 86 | Genome-Wide SNP-Genotyping Array to Study the Evolution of the Human Pathogen Vibrio vulnificus Biotype 3. PLoS ONE, 2014, 9, e114576. | 1.1 | 22 |
| 87 | Single-Molecule Arrays for Ultrasensitive Detection of Host Immune Response to Dengue Virus Infection. Journal of Clinical Microbiology, 2015, 53, 1722-1724. | 1.8 | 21 |
| 88 | Salivary Diagnostics Using a Portable Point-of-Service Platform: A Review. Clinical Therapeutics, 2015, 37, 498-504. | 1.1 | 21 |
| 89 | A SARSâ€CoVâ€2 Neutralization Assay Using Single Molecule Arrays. Angewandte Chemie - International Edition, 2021, 60, 25966-25972. | 7.2 | 21 |
| 90 | Evaluation of serological lateral flow assays for severe acute respiratory syndrome coronavirus-2. BMC Infectious Diseases, 2021, 21, 580. | 1.3 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Activity of mRNA COVID-19 vaccines in patients with lymphoid malignancies. Blood Advances, 2021, 5, 3062-3065. | 2.5 | 20 |
| 92 | Personal microbiomes and next-generation sequencing for laboratory-based education. FEMS Microbiology Letters, 2016, 363, fnw266. | 0.7 | 19 |
| 93 | Correlations of Salivary Biomarkers with Clinical Assessments in Patients with Cystic Fibrosis. PLoS ONE, 2015, 10, e0135237. | 1.1 | 18 |
| 94 | Ultrasensitive Single-Molecule Enzyme Detection and Analysis Using a Polymer Microarray. Analytical Chemistry, 2018, 90, 3091-3098. | 3.2 | 18 |
| 95 | Impact of clinical sample handling and processing on ultra-low level measurements of plasma cytokines. Clinical Biochemistry, 2019, 65, 38-44. | 0.8 | 18 |
| 96 | Hypothermic Ex Situ Perfusion of Human Limbs With Acellular Solution for 24 Hours. Transplantation, 2020, 104, e260-e270. | 0.5 | 18 |
| 97 | SARS-CoV-2 mRNA Vaccines in Allogeneic Hematopoietic Stem Cell Transplant Recipients: Immunogenicity and Reactogenicity. Clinical Infectious Diseases, 2021, , . | 2.9 | 18 |
| 98 | Observing Single Enzyme Molecules Interconvert between Activity States upon Heating. PLoS ONE, 2014, 9, e86224. | 1.1 | 17 |
| 99 | New Views of Old Proteins: Clarifying the Enigmatic Proteome. Molecular and Cellular Proteomics, 2022, 21, 100254. | 2.5 | 16 |
| 100 | Fluorescence monitoring of the microenvironmental pH of highly charged polymers. Journal of Polymer Science Part A, 1997, 35, 2105-2110. | 2.5 | 15 |
| 101 | Zonulin Antagonist, Larazotide (AT1001), As an Adjuvant Treatment for Multisystem Inflammatory Syndrome in Children: A Case Series. , 2022, 10, e0641. | | 15 |
| 102 | Bottom-up single-molecule strategy for understanding subunit function of tetrameric Î²-galactosidase. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8346-8351. | 3.3 | 14 |
| 103 | Evaluation of Three Commercial and Two Non-Commercial Immunoassays for the Detection of Prior Infection to SARS-CoV-2. journal of applied laboratory medicine, The, 2021, 6, 1561-1570. | 0.6 | 14 |
| 104 | Sequential Protein Capture in Multiplex Single Molecule Arrays: A Strategy for Eliminating Assay Crossâ€Reactivity. Advanced Healthcare Materials, 2021, 10, e2001111. | 3.9 | 13 |
| 105 | Accumulation mechanism of indigo and indirubin in Polygonum tinctorium revealed by metabolite and transcriptome analysis. Industrial Crops and Products, 2019, 141, 111783. | 2.5 | 11 |
| 106 | Elucidating the relationship between substrate and inhibitor binding to the active sites of tetrameric Î²-galactosidase. Chemical Science, 2014, 5, 4467-4473. | 3.7 | 10 |
| 107 | Stoichiometry of the Î±-Complementation Reaction ofEscherichia coliÎ²-Galactosidase As Revealed through Single-Molecule Studies. Biochemistry, 2015, 54, 1583-1588. | 1.2 | 10 |
| 108 | Rapid and ultrasensitive detection of botulinum neurotoxin serotype A1 in human serum and urine using single-molecule array method. Forensic Toxicology, 2017, 35, 179-184. | 1.4 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Single Molecule Arrays for ultra-sensitive detection of rat cytokines in serum. Journal of Immunological Methods, 2018, 452, 20-25. | 0.6 | 10 |
| 110 | A Modular Biomaterial Scaffoldâ€Based Vaccine Elicits Durable Adaptive Immunity to Subunit SARSâ€CoVâ€2 Antigens. Advanced Healthcare Materials, 2021, 10, e2101370. | 3.9 | 10 |
| 111 | Using Next-Generation Sequencing to Explore Genetics and Race in the High School Classroom. CBE Life Sciences Education, 2017, 16, ar22. | 1.1 | 9 |
| 112 | Fluorescent Excitation Transfer Immunoassay for the Determination of Spinosyn A in Water. Journal of Agricultural and Food Chemistry, 1999, 47, 2766-2770. | 2.4 | 8 |
| 113 | Synthesis and Biological Testing of Penicillins: An Investigative Approach to the Undergraduate Teaching Laboratory. Journal of Chemical Education, 2010, 87, 634-636. | 1.1 | 8 |
| 114 | High-Sensitivity Single Molecule Array Assays for Pathological Isoforms in Parkinsonâ€™s Disease. Clinical Chemistry, 2022, 68, 431-440. | 1.5 | 8 |
| 115 | Catalytic kinetics of single gold nanoparticles observed via optical microwell arrays. Nanotechnology, 2015, 26, 055704. | 1.3 | 7 |
| 116 | Development of a Rapid Salivary Proteomic Platform for Oral Feeding Readiness in the Preterm Newborn. Frontiers in Pediatrics, 2017, 5, 268. | 0.9 | 7 |
| 117 | Single-molecule studies reveal method for tuning the heterogeneous activity of alkaline phosphatase. Biophysical Journal, 2022, 121, 2027-2034. | 0.2 | 6 |
| 118 | Progress toward the determination of Sr2+ in highly basic solutions using imaging optical fiber sensor arrays. Journal of Materials Chemistry, 2005, 15, 4361. | 6.7 | 5 |
| 119 | A SARSâ€CoVâ€2 Neutralization Assay using Single Molecule Arrays. Angewandte Chemie, 0, , . | 1.6 | 5 |
| 120 | Clinical testing should be individualized, not based on populations. Journal of Clinical Investigation, 2019, 129, 3472-3473. | 3.9 | 5 |
| 121 | Single-Molecule Arrays for Ultrasensitive Detection of Blood-Based Biomarkers for Immunotherapy. Methods in Molecular Biology, 2020, 2055, 399-412. | 0.4 | 5 |
| 122 | Oxygen Sensing Properties of a New Ruthenium (II) Compound. Analytical Letters, 1997, 30, 2289-2299. | 1.0 | 4 |
| 123 | Multiplexed Fluorescent Microarray for Human Salivary Protein Analysis Using Polymer Microspheres and Fiber-optic Bundles. Journal of Visualized Experiments, 2013, , . | 0.2 | 4 |
| 124 | Protein Detection by Counting Molecules. Clinical Chemistry, 2019, 65, 809-810. | 1.5 | 4 |
| 125 | Singleâ€Molecule Enzymology for Diagnostics: Profiling Alkaline Phosphatase Activity in Clinical Samples. ChemBioChem, 2022, 23, . | 1.3 | 4 |
| 126 | Harmonization of Multiple SARS-CoV-2 Reference Materials Using the WHO IS (NIBSC 20/136): Results and Implications. Frontiers in Microbiology, 2022, 13, . | 1.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | pH-Dependent fluorescence and singlet energy transfer in water-soluble polymers containing eosin and phenol red chromophores. Journal of Fluorescence, 1992, 2, 231-235. | 1.3 | 3 |
| 128 | The Use of Optical-Imaging Fibers for the Fabrication of Array Sensors. ACS Symposium Series, 1998, , 273-289. | 0.5 | 3 |
| 129 | Cross-Reactive Optical Sensing Arrays. ACS Symposium Series, 2002, , 318-329. | 0.5 | 3 |
| 130 | Singleâ€Molecule Analysis Determines Isozymes of Human Alkaline Phosphatase in Serum. Angewandte Chemie, 2020, 132, 18166-18171. | 1.6 | 3 |
| 131 | Optical Immunosensors Using Controlled- Release Polymers. ACS Symposium Series, 1992, , 310-320. | 0.5 | 2 |
| 132 | Systematic Approach to Address Early Pandemic's Diagnostic Unmet Needs. Frontiers in Microbiology, 0, 13, . | 1.5 | 2 |
| 133 | Optical Electronic Noses. , 0, , 181-199. | | 1 |
| 134 | Randomly-Ordered High-Density Fiber Optic Microsensor Array Sensors. ACS Symposium Series, 2002, , 129-148. | 0.5 | 1 |
| 135 | Single-Molecule Dwell-Time Analysis of Restriction Endonuclease-Mediated DNA Cleavage. Journal of Visualized Experiments, 2021, , . | 0.2 | 1 |
| 136 | Coronavirus antigens as targets of antibody responses. Clinics in Laboratory Medicine, 2021, 42, 97-109. | 0.7 | 1 |
| 137 | Fiber-Optic Sensors Based on Degradable Polymers. ACS Symposium Series, 1994, , 21-33. | 0.5 | 0 |
| 138 | Self-Regenerating Fiber-Optic Sensors. ACS Symposium Series, 1995, , 186-196. | 0.5 | 0 |
| 139 | Novel Colloidal Assembly Methods for the Preparation of Core-Shell Composite Materials. Materials Research Society Symposia Proceedings, 2000, 636, 9171. | 0.1 | 0 |
| 140 | Robust error correction in infofuses. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 361-377. | 1.0 | 0 |