

Chris Rowe Taitt

List of Publications by Year in descending order

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92
papers

5,053
citations

81900

39
h-index

88630

70
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94
all docs

94
docs citations

94
times ranked

4648
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of capillary and venous blood for malaria detection using two PCR-based assays in febrile patients in Sierra Leone. <i>Malaria Journal</i> , 2021, 20, 133.	2.3	0
2	A Survey of Antimicrobial Resistance Determinants in Category A Select Agents, Exempt Strains, and Near-Neighbor Species. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1669.	4.1	5
3	Use of real-time multiplex PCR, malaria rapid diagnostic test and microscopy to investigate the prevalence of Plasmodium species among febrile hospital patients in Sierra Leone. <i>Malaria Journal</i> , 2020, 19, 84.	2.3	27
4	Comparison of seven methods for DNA extraction from prosomata of the acorn barnacle, <i>Amphibalanus amphitrite</i> . <i>Analytical Biochemistry</i> , 2019, 586, 113441.	2.4	2
5	A comparison of methods for DNA preparation prior to microarray analysis. <i>Analytical Biochemistry</i> , 2019, 585, 113405.	2.4	5
6	Seroprevalence of hepatitis B surface antigen (HBsAg) in Bo, Sierra Leone, 2012–2013. <i>BMC Research Notes</i> , 2018, 11, 113.	1.4	10
7	Characterization of longitudinal canal tissue in the acorn barnacle <i>Amphibalanus amphitrite</i> . <i>PLoS ONE</i> , 2018, 13, e0208352.	2.5	12
8	Rapid design and fielding of four diagnostic technologies in Sierra Leone, Thailand, Peru, and Australia: Successes and challenges faced introducing these biosensors. <i>Sensing and Bio-Sensing Research</i> , 2018, 20, 22-33.	4.2	8
9	Effect of Linker Length on Cell Capture by Poly(ethylene glycol)-Immobilized Antimicrobial Peptides. <i>Langmuir</i> , 2017, 33, 2878-2884.	3.5	14
10	Antimicrobial resistance of <i>Klebsiella pneumoniae</i> stool isolates circulating in Kenya. <i>PLoS ONE</i> , 2017, 12, e0178880.	2.5	40
11	Prevalence of markers of HIV infection among febrile adults and children in Bo, Sierra Leone, 2012–2013. <i>BMC Research Notes</i> , 2017, 10, 565.	1.4	4
12	Surveillance of Vector-Borne Infections (Chikungunya, Dengue, and Malaria) in Bo, Sierra Leone, 2012–2013. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 1151-1154.	1.4	13
13	High prevalence of multidrug resistant Enterobacteriaceae isolated from outpatient urine samples but not the hospital environment in Bo, Sierra Leone. <i>BMC Infectious Diseases</i> , 2016, 16, 167.	2.9	57
14	Prevalence of Quinolone Resistance in Enterobacteriaceae from Sierra Leone and the Detection of qnrB Pseudogenes and Modified LexA Binding Sites. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6920-6923.	3.2	7
15	Finished Genome Sequence of the Highly Multidrug-Resistant Human Urine Isolate <i>Citrobacter freundii</i> Strain SL151. <i>Genome Announcements</i> , 2016, 4, .	0.8	6
16	Porphyrin-modified antimicrobial peptide indicators for detection of bacteria. <i>Sensing and Bio-Sensing Research</i> , 2016, 8, 1-7.	4.2	7
17	Secondary Structure Determination of Peptides and Proteins After Immobilization. <i>Methods in Molecular Biology</i> , 2016, 1352, 35-50.	0.9	2
18	Evanescent wave fluorescence biosensors: Advances of the last decade. <i>Biosensors and Bioelectronics</i> , 2016, 76, 103-112.	10.1	115

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19	Oriented Peptide Immobilization on Microspheres. <i>Methods in Molecular Biology</i> , 2016, 1352, 183-197.	0.9	1
20	Application of Circular Dichroism for Structural Analysis of Surface-Immobilized Cecropin A Interacting with Lipoteichoic Acid. <i>Langmuir</i> , 2015, 31, 10791-10798.	3.5	10
21	Use of the FilmArray System for Detection of Zaire ebolavirus in a Small Hospital in Bo, Sierra Leone. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2368-2370.	3.9	23
22	Antimicrobial resistance genotypes and phenotypes from multidrug-resistant bacterial wound infection isolates in Cambodia. <i>Journal of Global Antimicrobial Resistance</i> , 2015, 3, 198-204.	2.2	6
23	Antimicrobial Resistance Determinants in <i>Acinetobacter baumannii</i> Isolates Taken from Military Treatment Facilities. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 767-781.	3.2	66
24	Detection of <i>qnrVC</i> and <i>rmtB</i> genes from a multidrug-resistant <i>Ralstonia pickettii</i> wound infection isolate in Cambodia. <i>International Journal of Antimicrobial Agents</i> , 2014, 44, 84-85.	2.5	6
25	Chemoselective surface attachment of antimicrobial peptides and its effects on interfacial behavior. , 2014, , .		2
26	Multidrug-resistant tet(X)-containing hospital isolates in Sierra Leone. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 83-86.	2.5	90
27	Identification of <i>bla</i> OXA-51-like , <i>bla</i> OXA-58 , <i>bla</i> DIM-1 , and <i>bla</i> VIM Carbapenemase Genes in Hospital Enterobacteriaceae Isolates from Sierra Leone. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2435-2438.	3.9	47
28	Loss of cationic peptides with agarose gel-immobilized tris[2- carboxyethyl]phosphine (TCEP). <i>BioTechniques</i> , 2013, 55, 292-294.	1.8	1
29	Molecular Characterization of Multidrug Resistant Hospital Isolates Using the Antimicrobial Resistance Determinant Microarray. <i>PLoS ONE</i> , 2013, 8, e69507.	2.5	23
30	Multidrug resistance determinants from NDM-1-producing <i>Klebsiella pneumoniae</i> in the USA. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 282-284.	2.5	34
31	Antimicrobial resistance determinant microarray for analysis of multi-drug resistant isolates. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
32	Rapid Analytical Methods for On-Site Triage for Traumatic Brain Injury. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 35-56.	5.4	34
33	Surface immobilization chemistry influences peptide-based detection of lipopolysaccharide and lipoteichoic acid. <i>Journal of Peptide Science</i> , 2012, 18, 366-372.	1.4	15
34	Surface Modification and Biomolecule Immobilization on Polymer Spheres for Biosensing Applications. <i>Methods in Molecular Biology</i> , 2011, 726, 77-94.	0.9	14
35	Plasma-Based Surface Modification of Polystyrene Microtiter Plates for Covalent Immobilization of Biomolecules. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2884-2891.	8.0	73
36	Critical aspects of biointerface design and their impact on biosensor development. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 925-933.	3.7	35

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37	Enhancement of deoxyribonucleic acid microarray performance using post-hybridization signal amplification. <i>Analytica Chimica Acta</i> , 2010, 679, 85-90.	5.4	7
38	Multiplexed magnetic microsphere immunoassays for detection of pathogens in foods. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2010, 4, 73-81.	1.5	48
39	Targeted Deposition of Antibodies on a Multiplex CMOS Microarray and Optimization of a Sensitive Immunoassay Using Electrochemical Detection. <i>PLoS ONE</i> , 2010, 5, e9781.	2.5	16
40	Multiplexed Electrochemical Detection of <i>Yersinia Pestis</i> and Staphylococcal Enterotoxin B using an Antibody Microarray. <i>Sensors</i> , 2010, 10, 3351-3362.	3.8	24
41	Effect of Physicochemical Anomalies of Soda-Lime Silicate Slides on Biomolecule Immobilization. <i>Analytical Chemistry</i> , 2010, 82, 406-412.	6.5	22
42	Electron beam plasma modification of microtitre plates for covalent biomolecules immobilization. , 2010, , .		0
43	Reduction of Non-Specific Protein Adsorption Using Poly(ethylene) Glycol (PEG) Modified Polyacrylate Hydrogels In Immunoassays for Staphylococcal Enterotoxin B Detection. <i>Sensors</i> , 2009, 9, 645-655.	3.8	67
44	Antimicrobial Peptide Arrays for Detection of Inactivated Biothreat Agents. <i>Methods in Molecular Biology</i> , 2009, 570, 233-255.	0.9	17
45	Immobilization of Biomolecules onto Silica and Silica-Based Surfaces for Use in Planar Array Biosensors. <i>Methods in Molecular Biology</i> , 2009, 504, 419-440.	0.9	7
46	Internal transport properties of macroporous sugar polyacrylate hydrogels: Microsphere diffusion described by phenomenological laws. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1241-1249.	3.3	1
47	Amplification of microsphere-based microarrays using catalyzed reporter deposition. <i>Biosensors and Bioelectronics</i> , 2008, 24, 324-328.	10.1	30
48	Discrimination between biothreat agents and "near neighbor"™ species using a resequencing array. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 54, 356-364.	2.7	17
49	Comparison of detection and signal amplification methods for DNA microarrays. <i>Molecular and Cellular Probes</i> , 2008, 22, 294-300.	2.1	33
50	Array Biosensor for Toxin Detection: Continued Advances. <i>Sensors</i> , 2008, 8, 8361-8377.	3.8	56
51	A Parametric Study of Sample Lysis and DNA Purification Techniques for Use in Automated Devices. <i>Analytical Letters</i> , 2008, 41, 1701-1719.	1.8	1
52	EVANESCENT WAVE FIBER OPTIC BIOSENSORS. , 2008, , 83-138.		5
53	PLANAR WAVEGUIDES FOR FLUORESCENCE BIOSENSORS. , 2008, , 139-184.		3
54	Suspension Microarray Immunoassay Signal Amplification Using Multilayer Formation. <i>Sensor Letters</i> , 2008, 6, 213-218.	0.4	13

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55	The Array Biosensor: Portable, Automated Systems. <i>Analytical Sciences</i> , 2007, 23, 5-10.	1.6	128
56	Antimicrobial Peptides: New Recognition Molecules for Detecting Botulinum Toxins. <i>Sensors</i> , 2007, 7, 2808-2824.	3.8	27
57	Blind Laboratory Trials for Multiple Pathogens in Spiked Food Matrices. <i>Analytical Letters</i> , 2007, 40, 3219-3231.	1.8	14
58	Rapid detection of <i>Escherichia coli</i> O157:H7 spiked into food matrices. <i>Analytica Chimica Acta</i> , 2007, 584, 66-71.	5.4	50
59	Antimicrobial peptides as new recognition molecules for screening challenging species. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 150-157.	7.8	63
60	Crosslinkers Modify Affinity of Immobilized Carbohydrates for Cholera Toxin. <i>Sensor Letters</i> , 2007, 5, 621-624.	0.4	8
61	Detection of Deoxynivalenol in Foods and Indoor Air Using an Array Biosensor. <i>Environmental Science & Technology</i> , 2006, 40, 2352-2356.	10.0	74
62	TNT Detection Using Multiplexed Liquid Array Displacement Immunoassays. <i>Analytical Chemistry</i> , 2006, 78, 2279-2285.	6.5	86
63	Nonantibody-based recognition: alternative molecules for detection of pathogens. <i>Expert Review of Proteomics</i> , 2006, 3, 511-524.	3.0	65
64	Multiplexed Detection of Mycotoxins in Foods with a Regenerable Array. <i>Journal of Food Protection</i> , 2006, 69, 3047-3051.	1.7	38
65	Indirect competitive immunoassay for detection of aflatoxin B1 in corn and nut products using the array biosensor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 2298-2305.	10.1	109
66	Simultaneous determination of kinetic parameters for the binding of cholera toxin to immobilized sialic acid and monoclonal antibody using an array biosensor. <i>Biosensors and Bioelectronics</i> , 2006, 22, 124-130.	10.1	21
67	Multiplexed measurement of serum antibodies using an array biosensor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1880-1886.	10.1	48
68	A galactose polyacrylate-based hydrogel scaffold for the detection of cholera toxin and staphylococcal enterotoxin B in a sandwich immunoassay format. <i>Analytica Chimica Acta</i> , 2006, 578, 2-10.	5.4	27
69	Antimicrobial peptide-based array for <i>Escherichia coli</i> and <i>Salmonella</i> screening. <i>Analytica Chimica Acta</i> , 2006, 575, 9-15.	5.4	101
70	Rapid detection of foodborne contaminants using an Array Biosensor. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 599-607.	7.8	103
71	Detection of bacterial toxins with monosaccharide arrays. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1195-1201.	10.1	70
72	The Array Biosensors. , 2005, , 263-281.		0

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73	Evanescent wave fluorescence biosensors. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2470-2487.	10.1	260
74	Biosensor Detection of Botulinum Toxoid A and Staphylococcal Enterotoxin B in Food. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5590-5592.	3.1	97
75	Array Biosensor for Detection of Ochratoxin A in Cereals and Beverages. <i>Analytical Chemistry</i> , 2005, 77, 148-154.	6.5	126
76	A portable automated multianalyte biosensor. <i>Talanta</i> , 2005, 65, 1078-1085.	5.5	53
77	Antimicrobial Peptides for Detection of Bacteria in Biosensor Assays. <i>Analytical Chemistry</i> , 2005, 77, 6504-6508.	6.5	162
78	Applications of Array Biosensor for Detection of Food Allergens. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 1498-1502.	1.5	42
79	A Portable Array Biosensor for Detecting Multiple Analytes in Complex Samples. <i>Microbial Ecology</i> , 2004, 47, 175-185.	2.8	93
80	Fragmentation of biotinylated cyclic peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1277-1285.	1.5	8
81	Fluorescence-based array biosensors for detection of biohazards. <i>Journal of Applied Microbiology</i> , 2004, 96, 47-58.	3.1	70
82	Detection of <i>Salmonella enterica</i> Serovar Typhimurium by Using a Rapid, Array-Based Immunosensor. <i>Applied and Environmental Microbiology</i> , 2004, 70, 152-158.	3.1	92
83	Detection of <i>Campylobacter</i> and <i>Shigella</i> Species in Food Samples Using an Array Biosensor. <i>Analytical Chemistry</i> , 2004, 76, 433-440.	6.5	98
84	Array biosensor for detection of toxins. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 469-477.	3.7	268
85	Nine-Analyte Detection Using an Array-Based Biosensor. <i>Analytical Chemistry</i> , 2002, 74, 6114-6120.	6.5	145
86	A Ganglioside-Based Assay for Cholera Toxin Using an Array Biosensor. <i>Analytical Biochemistry</i> , 2000, 281, 123-133.	2.4	66
87	Array biosensor for detection of biohazards. <i>Biosensors and Bioelectronics</i> , 2000, 14, 785-794.	10.1	170
88	Simultaneous detection of six biohazardous agents using a planar waveguide array biosensor. <i>Biosensors and Bioelectronics</i> , 2000, 15, 579-589.	10.1	158
89	Comparison of chemical cleaning methods of glass in preparation for silanization. <i>Biosensors and Bioelectronics</i> , 1999, 14, 683-688.	10.1	325
90	Array biosensor: optical and fluidics systems. <i>Biomedical Microdevices</i> , 1999, 1, 139-153.	2.8	78

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91	Array Biosensor for Simultaneous Identification of Bacterial, Viral, and Protein Analytes. Analytical Chemistry, 1999, 71, 3846-3852.	6.5	283
92	An Array Immunosensor for Simultaneous Detection of Clinical Analytes. Analytical Chemistry, 1999, 71, 433-439.	6.5	243