

Richard O'Kennedy

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,691
citations

257101

24
h-index

288905

40
g-index

55
all docs

55
docs citations

55
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Surface Plasmon Resonance-Based Immunoassay for Aflatoxin B1. Journal of Agricultural and Food Chemistry, 2000, 48, 5097-5104.	2.4	174
2	Centrifugo-pneumatic valving utilizing dissolvable films. Lab on A Chip, 2012, 12, 2894.	3.1	113
3	A review of coccidiostats and the analysis of their residues in meat and other food. Meat Science, 2014, 97, 358-374.	2.7	102
4	Coming-of-Age of Antibodies in Cancer Therapeutics. Trends in Pharmacological Sciences, 2016, 37, 1009-1028.	4.0	89
5	Virus Detection: A Review of the Current and Emerging Molecular and Immunological Methods. Frontiers in Molecular Biosciences, 2021, 8, 637559.	1.6	79
6	Antibody stability: A key to performance - Analysis, influences and improvement. Biochimie, 2020, 177, 213-225.	1.3	75
7	Developments in Point-of-Care Diagnostic Technology for Cancer Detection. Diagnostics, 2018, 8, 39.	1.3	72
8	Ultrasensitive direct impedimetric immunosensor for detection of serum HER2. Biosensors and Bioelectronics, 2018, 106, 78-85.	5.3	66
9	Detection of prostate specific antigen based on electrocatalytic platinum nanoparticles conjugated to a recombinant scFv antibody. Biosensors and Bioelectronics, 2016, 77, 759-766.	5.3	59
10	Prostate cancer diagnostics: Clinical challenges and the ongoing need for disruptive and effective diagnostic tools. Biotechnology Advances, 2017, 35, 135-149.	6.0	57
11	The Development of Novel Miniaturized Immuno-sensing Devices: A Review of a Small Technology with a Large Future. Analytical Letters, 2003, 36, 511-537.	1.0	50
12	A review of centrifugal microfluidics in environmental monitoring. Analytical Methods, 2018, 10, 1497-1515.	1.3	49
13	Surface Plasmon Resonance-Based Immunoassay for the Detection of Aflatoxin B ₁ Using Single-Chain Antibody Fragments. Spectroscopy Letters, 2005, 38, 229-245.	0.5	43
14	Production and Characterization of Murine Single Chain Fv Antibodies to Aflatoxin B ₁ Derived From a Pre-immunized Antibody Phage Display Library System. Food and Agricultural Immunology, 2002, 14, 255-274.	0.7	41
15	Kinetics of immunoassays with particles as labels: effect of antibody coupling using dendrimers as linkers. Analyst, The, 2011, 136, 2533.	1.7	40
16	The Structure of Natural and Recombinant Antibodies. Methods in Molecular Biology, 2015, 1348, 7-11.	0.4	37
17	Cardiac Troponin I: Ultrasensitive Detection Using Faradaic Electrochemical Impedance. ACS Omega, 2018, 3, 17116-17124.	1.6	34
18	Diagnostic Potential of Zinc Finger Protein-Specific Autoantibodies and Associated Linear B-Cell Epitopes in Colorectal Cancer. PLoS ONE, 2015, 10, e0123469.	1.1	33

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19	Immunoaffinity Chromatography: Concepts and Applications. <i>Methods in Molecular Biology</i> , 2017, 1485, 27-51.	0.4	32
20	Point-of-Care Compatibility of Ultra-Sensitive Detection Techniques for the Cardiac Biomarker Troponin I—Challenges and Potential Value. <i>Biosensors</i> , 2018, 8, 114.	2.3	32
21	An Innovative Portable Biosensor System for the Rapid Detection of Freshwater Cyanobacterial Algal Bloom Toxins. <i>Environmental Science & Technology</i> , 2018, 52, 11691-11698.	4.6	29
22	Sowing seeds for the future: The need for on-site plant diagnostics. <i>Biotechnology Advances</i> , 2020, 39, 107358.	6.0	28
23	Advances in ovarian cancer diagnosis: A journey from immunoassays to immunosensors. <i>Enzyme and Microbial Technology</i> , 2016, 89, 15-30.	1.6	27
24	Evaluation of Molecularly Imprinted Polymers for Point-of-Care Testing for Cardiovascular Disease. <i>Sensors</i> , 2019, 19, 3485.	2.1	27
25	Novel Microfluidic Analytical Sensing Platform for the Simultaneous Detection of Three Algal Toxins in Water. <i>ACS Omega</i> , 2018, 3, 6624-6634.	1.6	25
26	Galectin-1 and Galectin-3 Constitute Novel-Binding Partners for Factor VIII. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 855-863.	1.1	23
27	Comparison of Enzyme-Linked Immunosorbent Assay, Surface Plasmon Resonance and Biolayer Interferometry for Screening of Deoxynivalenol in Wheat and Wheat Dust. <i>Toxins</i> , 2016, 8, 103.	1.5	20
28	Enhancement and Analysis of Human Antiaflatoxin B1 (AFB1) scFv Antibody—Ligand Interaction Using Chain Shuffling. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5713-5722.	2.4	20
29	Application of an immunosensor for the detection of the β -lactam antibiotic, cephalexin. <i>Food and Agricultural Immunology</i> , 2003, 15, 225-234.	0.7	19
30	Differential internalin A levels in biofilms of <i>Listeria monocytogenes</i> grown on different surfaces and nutrient conditions. <i>International Journal of Food Microbiology</i> , 2016, 219, 50-55.	2.1	18
31	Measuring Antibody-Antigen Binding Kinetics Using Surface Plasmon Resonance. <i>Methods in Molecular Biology</i> , 2018, 1827, 421-455.	0.4	15
32	Measurement of the IgM and IgG Autoantibody Immune Responses in Human Serum has High Predictive Value for the Presence of Colorectal Cancer. <i>Clinical Colorectal Cancer</i> , 2019, 18, e53-e60.	1.0	15
33	Salivary Analysis of Drugs—Potential and Difficulties. <i>Analytical Letters</i> , 2008, 41, 925-948.	1.0	13
34	The Purification of Natural and Recombinant Peptide Antibodies by Affinity Chromatographic Strategies. <i>Methods in Molecular Biology</i> , 2015, 1348, 153-165.	0.4	13
35	Unravelling enhancement of antibody fragment stability — Role of format structure and cysteine modification. <i>Journal of Immunological Methods</i> , 2019, 464, 57-63.	0.6	12
36	Development of ELISA and Sensor-based Assays for the Detection of Ethynyl Estradiol in Bile. <i>Food and Agricultural Immunology</i> , 2003, 15, 55-64.	0.7	10

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37	Binding Characteristic of Various Antibody Formats Against Aflatoxins. ACS Omega, 2021, 6, 25258-25268.	1.6	10
38	Development and Use of Antibodies in Surface Plasmon Resonance-Based Immunosensors for Environmental Monitoring. International Journal of Environmental Analytical Chemistry, 2003, 83, 525-543.	1.8	9
39	Enhancing recombinant antibody performance by optimally engineering its format. Journal of Immunological Methods, 2018, 463, 127-133.	0.6	9
40	The role of antibody-based troponin detection in cardiovascular disease: A critical assessment. Journal of Immunological Methods, 2021, 497, 113108.	0.6	8
41	PRODUCTION AND ANALYTICAL APPLICATIONS OF scFv ANTIBODY FRAGMENTS. Analytical Letters, 2001, 34, 1799-1827.	1.0	7
42	Gadolinium-loaded polychelating amphiphilic polymer as an enhanced MRI contrast agent for human multiple myeloma and non Hodgkin's lymphoma (human Burkitt's lymphoma). RSC Advances, 2014, 4, 18007.	1.7	7
43	Design and fabrication of a low-cost wireless camera imaging system for centrifugal microfluidics. HardwareX, 2022, 11, e00259.	1.1	7
44	Speedy, Small, Sensitive, and Specific—Reality or Myth for Future Analytical Methods. Analytical Letters, 2010, 43, 1630-1648.	1.0	6
45	Strategies for overcoming challenges for decentralised diagnostics in resource-limited and catastrophe settings. Expert Review of Molecular Diagnostics, 2017, 17, 109-118.	1.5	6
46	Purification of Antibodies Using Affinity Chromatography. Methods in Molecular Biology, 2017, 1485, 305-318.	0.4	6
47	Referencing cross-reactivity of detection antibodies for protein array experiments. F1000Research, 2016, 5, 73.	0.8	5
48	A one-step reverse transcription recombinase polymerase amplification assay for lateral flow-based visual detection of PVY. Analytical Biochemistry, 2022, 642, 114526.	1.1	5
49	Strengths and Shortcomings of Advanced Detection Technologies. , 0, , 13-45.		4
50	Direct immunoassays and their performance – theoretical modelling of the effects of antibody orientation and associated kinetics. Integrative Biology (United Kingdom), 2018, 10, 598-604.	0.6	4
51	The immune system in sport: getting the balance right. British Journal of Sports Medicine, 2000, 34, 161-161.	3.1	3
52	Advances in point-of-care testing for cardiovascular diseases. Advances in Clinical Chemistry, 2021, 104, 1-70.	1.8	2
53	Terminal Î±2-6 Linked Sialic Acid Expression On VWF Specifically Enhances Proteolysis by ADAMTS13.. Blood, 2009, 114, 30-30.	0.6	1
54	Antibody Purification Using Affinity Chromatography. Methods in Molecular Biology, 2022, 2466, 3-22.	0.4	1

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55	Generation, selection and modification of anti-cardiac troponin I antibodies with high specificity and affinity. <i>Journal of Immunological Methods</i> , 2022, 500, 113183.	0.6	0