

Richard O Kennedy

List of Publications by Citations

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55
papers

1,189
citations

19
h-index

33
g-index

55
ext. papers

1,426
ext. citations

4.7
avg, IF

4.74
L-index

#	Paper	IF	Citations
55	Development of surface plasmon resonance-based immunoassay for aflatoxin B(1). <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 5097-104	5.7	162
54	Centrifugo-pneumatic valving utilizing dissolvable films. <i>Lab on A Chip</i> , 2012 , 12, 2894-902	7.2	91
53	A review of coccidiostats and the analysis of their residues in meat and other food. <i>Meat Science</i> , 2014 , 97, 358-74	6.4	74
52	Coming-of-Age of Antibodies in Cancer Therapeutics. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 1009-1028	10.28	69
51	Detection of prostate specific antigen based on electrocatalytic platinum nanoparticles conjugated to a recombinant scFv antibody. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 759-66	11.8	54
50	Ultrasensitive direct impedimetric immunosensor for detection of serum HER2. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 78-85	11.8	45
49	Prostate cancer diagnostics: Clinical challenges and the ongoing need for disruptive and effective diagnostic tools. <i>Biotechnology Advances</i> , 2017 , 35, 135-149	17.8	44
48	The Development of Novel Miniaturized Immuno-sensing Devices: A Review of a Small Technology with a Large Future. <i>Analytical Letters</i> , 2003 , 36, 511-537	2.2	42
47	Developments in Point-of-Care Diagnostic Technology for Cancer Detection. <i>Diagnostics</i> , 2018 , 8,	3.8	41
46	Surface Plasmon Resonance-Based Immunoassay for the Detection of Aflatoxin B1 Using Single-Chain Antibody Fragments. <i>Spectroscopy Letters</i> , 2005 , 38, 229-245	1.1	41
45	Production and Characterization of Murine Single Chain Fv Antibodies to Aflatoxin B 1 Derived From a Pre-immunized Antibody Phage Display Library System. <i>Food and Agricultural Immunology</i> , 2002 , 14, 255-274	2.9	39
44	Kinetics of immunoassays with particles as labels: effect of antibody coupling using dendrimers as linkers. <i>Analyst, The</i> , 2011 , 136, 2533-41	5	38
43	A review of centrifugal microfluidics in environmental monitoring. <i>Analytical Methods</i> , 2018 , 10, 1497-1535	3.5	28
42	Diagnostic potential of zinc finger protein-specific autoantibodies and associated linear B-cell epitopes in colorectal cancer. <i>PLoS ONE</i> , 2015 , 10, e0123469	3.7	26
41	The Structure of Natural and Recombinant Antibodies. <i>Methods in Molecular Biology</i> , 2015 , 1348, 7-11	1.4	25
40	Advances in ovarian cancer diagnosis: A journey from immunoassays to immunosensors. <i>Enzyme and Microbial Technology</i> , 2016 , 89, 15-30	3.8	23
39	Immunoaffinity Chromatography: Concepts and Applications. <i>Methods in Molecular Biology</i> , 2017 , 1485, 27-51	1.4	23

38	Cardiac Troponin I: Ultrasensitive Detection Using Faradaic Electrochemical Impedance. <i>ACS Omega</i> , 2018 , 3, 17116-17124	3.9	23
37	Point-of-Care Compatibility of Ultra-Sensitive Detection Techniques for the Cardiac Biomarker Troponin I-Challenges and Potential Value. <i>Biosensors</i> , 2018 , 8,	5.9	22
36	Galectin-1 and Galectin-3 Constitute Novel-Binding Partners for Factor VIII. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 855-63	9.4	19
35	Antibody stability: A key to performance - Analysis, influences and improvement. <i>Biochimie</i> , 2020 , 177, 213-225	4.6	17
34	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	4.9	17
33	Sowing seeds for the future: The need for on-site plant diagnostics. <i>Biotechnology Advances</i> , 2020 , 39, 107358	17.8	17
32	Evaluation of Molecularly Imprinted Polymers for Point-of-Care Testing for Cardiovascular Disease. <i>Sensors</i> , 2019 , 19,	3.8	16
31	Application of an immunosensor for the detection of the β -lactam antibiotic, cephalexin. <i>Food and Agricultural Immunology</i> , 2003 , 15, 225-234	2.9	16
30	An Innovative Portable Biosensor System for the Rapid Detection of Freshwater Cyanobacterial Algal Bloom Toxins. <i>Environmental Science & Technology</i> , 2018 , 52, 11691-11698	10.3	16
29	Novel Microfluidic Analytical Sensing Platform for the Simultaneous Detection of Three Algal Toxins in Water. <i>ACS Omega</i> , 2018 , 3, 6624-6634	3.9	15
28	Virus Detection: A Review of the Current and Emerging Molecular and Immunological Methods. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 637559	5.6	15
27	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, 50-5	5.8	13
26	Enhancement and Analysis of Human Anti aflatoxin B1 (AFB1) scFv Antibody-Ligand Interaction Using Chain Shuffling. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 5713-5722	5.7	13
25	The Purification of Natural and Recombinant Peptide Antibodies by Affinity Chromatographic Strategies. <i>Methods in Molecular Biology</i> , 2015 , 1348, 153-65	1.4	11
24	Salivary Analysis of Drugs Potential and Difficulties. <i>Analytical Letters</i> , 2008 , 41, 925-948	2.2	10
23	Development and Use of Antibodies in Surface Plasmon Resonance-Based Immunosensors for Environmental Monitoring. <i>International Journal of Environmental Analytical Chemistry</i> , 2003 , 83, 525-543	1.8	8
22	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	2.9	8
21	Unravelling enhancement of antibody fragment stability - Role of format structure and cysteine modification. <i>Journal of Immunological Methods</i> , 2019 , 464, 57-63	2.5	8

20	Enhancing recombinant antibody performance by optimally engineering its format. <i>Journal of Immunological Methods</i> , 2018 , 463, 127-133	2.5	7
19	Measuring Antibody-Antigen Binding Kinetics Using Surface Plasmon Resonance. <i>Methods in Molecular Biology</i> , 2018 , 1827, 421-455	1.4	7
18	Strategies for overcoming challenges for decentralised diagnostics in resource-limited and catastrophe settings. <i>Expert Review of Molecular Diagnostics</i> , 2017 , 17, 109-118	3.8	6
17	Gadolinium-loaded polychelating amphiphilic polymer as an enhanced MRI contrast agent for human multiple myeloma and non Hodgkin's lymphoma (human Burkitt's lymphoma). <i>RSC Advances</i> , 2014 , 4, 18007	3.7	6
16	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	3.8	6
15	Purification of Antibodies Using Affinity Chromatography. <i>Methods in Molecular Biology</i> , 2017 , 1485, 305-318	1.4	5
14	Speedy, Small, Sensitive, and Specific: Reality or Myth for Future Analytical Methods. <i>Analytical Letters</i> , 2010 , 43, 1630-1648	2.2	5
13	PRODUCTION AND ANALYTICAL APPLICATIONS OF scFv ANTIBODY FRAGMENTS. <i>Analytical Letters</i> , 2001 , 34, 1799-1827	2.2	5
12	Referencing cross-reactivity of detection antibodies for protein array experiments. <i>F1000Research</i> , 2016 , 5, 73	3.6	3
11	Direct immunoassays and their performance - theoretical modelling of the effects of antibody orientation and associated kinetics. <i>Integrative Biology (United Kingdom)</i> , 2018 , 10, 598-604	3.7	3
10	Strengths and Shortcomings of Advanced Detection Technologies 2014 , 13-45		2
9	The immune system in sport: getting the balance right. <i>British Journal of Sports Medicine</i> , 2000 , 34, 161	10.3	2
8	Binding Characteristic of Various Antibody Formats Against Aflatoxins. <i>ACS Omega</i> , 2021 , 6, 25258-25268	3.9	2
7	Terminal α -6 Linked Sialic Acid Expression On VWF Specifically Enhances Proteolysis by ADAMTS13.. <i>Blood</i> , 2009 , 114, 30-30	2.2	1
6	Design and fabrication of a low-cost wireless camera imaging system for centrifugal microfluidics.. <i>HardwareX</i> , 2022 , 11, e00259	2.7	0
5	A one-step reverse transcription recombinase polymerase amplification assay for lateral flow-based visual detection of PVY.. <i>Analytical Biochemistry</i> , 2021 , 114526	3.1	0
4	The role of antibody-based troponin detection in cardiovascular disease: A critical assessment. <i>Journal of Immunological Methods</i> , 2021 , 497, 113108	2.5	0
3	Advances in point-of-care testing for cardiovascular diseases. <i>Advances in Clinical Chemistry</i> , 2021 , 104, 1-70	5.8	0

- 2 Antibody Purification Using Affinity Chromatography.. *Methods in Molecular Biology*, **2022**, 2466, 3-22 1.4 ○
- 1 Generation, selection and modification of anti-cardiac troponin I antibodies with high specificity and affinity. *Journal of Immunological Methods*, **2021**, 500, 113183 2.5