John G Bruno

List of Publications by Year
in descending order

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21 papers	860 citations	840776 11 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1245 citing authors

#	Article	IF	Citations
1	Aptamers in the Therapeutics and Diagnostics Pipelines. Theranostics, 2018, 8, 4016-4032.	10.0	271
2	Application of DNA Aptamers and Quantum Dots to Lateral Flow Test Strips for Detection of Foodborne Pathogens with Improved Sensitivity versus Colloidal Gold. Pathogens, 2014, 3, 341-355.	2.8	157
3	Simple Methods and Rational Design for Enhancing Aptamer Sensitivity and Specificity. Frontiers in Molecular Biosciences, 2018, 5, 41.	3.5	105
4	An Aptasensor Based on Polymer-Gold Nanoparticle Composite Microspheres for the Detection of Malathion Using Surface-Enhanced Raman Spectroscopy. Industrial Biotechnology, 2013, 9, 42-50.	0.8	73
5	Development, screening, and analysis of DNA aptamer libraries potentially useful for diagnosis and passive immunity of arboviruses. BMC Research Notes, 2012, 5, 633.	1.4	57
6	Preliminary development of a DNA aptamer-magnetic bead capture electrochemiluminescence sandwich assay for brain natriuretic peptide. Microchemical Journal, 2014, 115, 32-38.	4.5	33
7	Development of a Fluorescent Enzyme-Linked DNA Aptamer-Magnetic Bead Sandwich Assay and Portable Fluorometer for Sensitive and Rapid Listeria Detection. Journal of Fluorescence, 2015, 25, 173-183.	2.5	23
8	Potential Inherent Stimulation of the Innate Immune System by Nucleic Acid Aptamers and Possible Corrective Approaches. Pharmaceuticals, 2018, 11, 62.	3.8	23
9	Dynamics and Visualization of MCF7 Adenocarcinoma Cell Death by Aptamer-C1q-Mediated Membrane Attack. Nucleic Acid Therapeutics, 2012, 22, 275-282.	3.6	20
10	Discrimination of recombinant from natural human growth hormone using DNA aptamers. Journal of Biomolecular Techniques, 2011, 22, 27-36.	1.5	20
11	Preliminary development of DNA aptamerâ€Fc conjugate opsonins. Journal of Biomedical Materials Research - Part A, 2009, 90A, 1152-1161.	4.0	19
12	A Color Image Analysis Method for Assessment of Germination Based on Differential Fluorescence Staining of Bacterial Spores and Vegetative Cells Using Acridine Orange. Biotechnic and Histochemistry, 1995, 70, 175-184.	1.3	10
13	Long Shelf Life of a Lyophilized DNA Aptamer Beacon Assay. Journal of Fluorescence, 2017, 27, 439-441.	2.5	9
14	Aptamer-Quantum Dot Lateral Flow Test Strip Development for Rapid and Sensitive Detection of Pathogenic Escherichia coli via Intimin, O157- Specific LPS and Shiga Toxin 1 Aptamers. Current Bionanotechnology, 2016, 1, 80-86.	0.6	8
15	Beacons Contribute Valuable Empirical Information to Theoretical 3-D Aptamer-Peptide Binding. Journal of Fluorescence, 2019, 29, 711-717.	2.5	8
16	Applications in Which Aptamers Are Needed or Wanted in Diagnostics and Therapeutics. Pharmaceuticals, 2022, 15, 693.	3.8	8
17	Integration of multiple computer modeling software programs for characterization of a brain natriuretic peptide sandwich DNA aptamer complex. Journal of Molecular Recognition, 2019, 32, e2809.	2.1	6
18	Syringe filter-based DNA aptamer-enzyme-linked colorimetric assay of Salmonella on lettuce. Journal of Microbiological Methods, 2022, 193, 106406.	1.6	5

#	Article	IF	Citations
19	Preliminary Development of DNA Aptamers to Inhibit Phospholipase A₂ Activity of Bee and Cobra Venoms. Journal of Bionanoscience, 2015, 9, 270-275.	0.4	3
20	A Combined Immunofluorescence and Fluorescent Viability Cocktail Staining Procedure for Rapid Microscopic Detection and Enumeration of Live Legionella pneumophila. Journal of Fluorescence, 2021, 31, 1425-1432.	2.5	1
21	Highly Portable and Sensitive Filter-Based Antibody-or DNA Aptamer-Enzyme-Linked Fluorescence Detection of Potential Bacterial Pathogens Proximal to Agricultural Fields. Advanced Science, Engineering and Medicine, 2020, 12, 909-913.	0.3	1