

Maureen McKeague

List of Publications by Year in descending order

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35
papers

1,874
citations

331259

21
h-index

360668

35
g-index

38
all docs

38
docs citations

38
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and Opportunities for Small Molecule Aptamer Development. <i>Journal of Nucleic Acids</i> , 2012, 2012, 1-20.	0.8	335
2	Comprehensive Analytical Comparison of Strategies Used for Small Molecule Aptamer Evaluation. <i>Analytical Chemistry</i> , 2015, 87, 8608-8612.	3.2	139
3	Screening and Initial Binding Assessment of Fumonisin B1 Aptamers. <i>International Journal of Molecular Sciences</i> , 2010, 11, 4864-4881.	1.8	131
4	Selection and Characterization of a Novel DNA Aptamer for Label-Free Fluorescence Biosensing of Ochratoxin A. <i>Toxins</i> , 2014, 6, 2435-2452.	1.5	124
5	Analysis of In Vitro Aptamer Selection Parameters. <i>Journal of Molecular Evolution</i> , 2015, 81, 150-161.	0.8	119
6	Kinetic and Equilibrium Binding Characterization of Aptamers to Small Molecules using a Label-Free, Sensitive, and Scalable Platform. <i>Analytical Chemistry</i> , 2014, 86, 3273-3278.	3.2	103
7	Determination of ochratoxin A in wheat after clean-up through a DNA aptamer-based solid phase extraction column. <i>Food Chemistry</i> , 2011, 127, 1378-1384.	4.2	99
8	Nucleotide-Resolution Genome-Wide Mapping of Oxidative DNA Damage by Click-Code-Seq. <i>Journal of the American Chemical Society</i> , 2018, 140, 9783-9787.	6.6	88
9	Opportunities in the design and application of RNA for gene expression control. <i>Nucleic Acids Research</i> , 2016, 44, 2987-2999.	6.5	70
10	Computational approaches toward the design of pools for the in vitro selection of complex aptamers. <i>Rna</i> , 2010, 16, 2252-2262.	1.6	66
11	PARP-1 protects against colorectal tumor induction, but promotes inflammation-driven colorectal tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4061-E4070.	3.3	66
12	Aptamer base: a collaborative knowledge base to describe aptamers and SELEX experiments. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas006.	1.4	59
13	Next-generation DNA damage sequencing. <i>Chemical Society Reviews</i> , 2020, 49, 7354-7377.	18.7	56
14	Massively parallel RNA device engineering in mammalian cells with RNA-Seq. <i>Nature Communications</i> , 2019, 10, 4327.	5.8	36
15	Engineering a microbial platform for de novo biosynthesis of diverse methylxanthines. <i>Metabolic Engineering</i> , 2016, 38, 191-203.	3.6	32
16	Screening and Identification of DNA Aptamers to Tyramine Using <i>in Vitro</i> Selection and High-Throughput Sequencing. <i>ACS Combinatorial Science</i> , 2016, 18, 302-313.	3.8	30
17	Synthesis, transfer, and characterization of core-shell gold-coated magnetic nanoparticles. <i>MethodsX</i> , 2019, 6, 333-354.	0.7	30
18	Functional nucleic acids as in vivo metabolite and ion biosensors. <i>Biosensors and Bioelectronics</i> , 2017, 94, 94-106.	5.3	27

#	ARTICLE	IF	CITATIONS
19	Development of a DNA aptamer for direct and selective homocysteine detection in human serum. <i>RSC Advances</i> , 2013, 3, 24415.	1.7	26
20	Facile Characterization of Aptamer Kinetic and Equilibrium Binding Properties Using Surface Plasmon Resonance. <i>Methods in Enzymology</i> , 2014, 549, 451-466.	0.4	26
21	Comparison of In-Solution Biorecognition Properties of Aptamers against Ochratoxin A. <i>Toxins</i> , 2016, 8, 336.	1.5	22
22	Design and Construction of Generalizable RNA-Protein Hybrid Controllers by Level-Matched Genetic Signal Amplification. <i>Cell Systems</i> , 2016, 3, 549-562.e7.	2.9	20
23	An in solution assay for interrogation of affinity and rational minimizer design for small molecule-binding aptamers. <i>Analyst</i> , 2015, 140, 6643-6651.	1.7	18
24	In Vitro Selection and Characterization of DNA Aptamers to a Small Molecule Target. <i>Current Protocols in Chemical Biology</i> , 2017, 9, 233-268.	1.7	18
25	Immunological and mass spectrometry-based approaches to determine thresholds of the mutagenic DNA adduct O6-methylguanine in vivo. <i>Archives of Toxicology</i> , 2019, 93, 559-572.	1.9	17
26	Cadmium-Containing Quantum Dots Used in Electronic Displays: Implications for Toxicity and Environmental Transformations. <i>ACS Applied Nano Materials</i> , 2021, 4, 8417-8428.	2.4	17
27	Dietary modulation of mitochondrial DNA damage: implications in aging and associated diseases. <i>Journal of Nutritional Biochemistry</i> , 2019, 63, 1-10.	1.9	15
28	Advances in Aptamer-Based Biosensors for Food Safety. , 0, , .		14
29	<i>In Vitro</i> Screening and <i>In Silico</i> Modeling of RNA-Based Gene Expression Control. <i>ACS Chemical Biology</i> , 2015, 10, 2463-2467.	1.6	14
30	High-efficiency enrichment enables identification of aptamers to circulating Plasmodium falciparum-infected erythrocytes. <i>Scientific Reports</i> , 2020, 10, 9706.	1.6	13
31	Green Toxicology: Connecting Green Chemistry and Modern Toxicology. <i>Chemical Research in Toxicology</i> , 2020, 33, 2919-2931.	1.7	11
32	Aptamers for DNA Damage and Repair. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2212.	1.8	8
33	Enhancing CAR-T Cell Therapy with Functional Nucleic Acids. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1716-1727.	2.5	5
34	Fluorescent Nucleobase Analogues with Extended Pi Surfaces Stabilize DNA Duplexes Containing O ⁶ -Alkylguanine Adducts. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800066.	1.0	4
35	The Base Pairing Partner Modulates Alkylguanine Alkyltransferase. <i>ACS Chemical Biology</i> , 2018, 13, 2534-2541.	1.6	4