

Prabodhika R Mallikaratchy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	2,562 citations	14 h-index	29 g-index
29 ext. papers	2,801 ext. citations	6 avg, IF	4.69 L-index

#	Paper	IF	Citations
25	Bispecific Aptamer Sensor toward T-Cell Leukemia Detection in the Tumor Microenvironment.. <i>ACS Omega</i> , 2021 , 6, 32563-32570	3.9	1
24	Utility of Multivalent Aptamers to Develop Nanoscale DNA Devices against Surface Receptors. <i>ACS Omega</i> , 2021 , 6, 12382-12391	3.9	1
23	Ligand-Guided Selection with Artificially Expanded Genetic Information Systems against TCR-CD3 ζ <i>Biochemistry</i> , 2020 , 59, 552-562	3.2	10
22	Ligand Guided Selection (LIGS) of Artificial Nucleic Acid Ligands against Cell Surface Targets. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2545-2552	4.1	5
21	A Homodimeric Aptamer Variant Generated from Ligand-Guided Selection Activates the T Cell Receptor Cluster of Differentiation 3 Complex. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 22, 167-178	10.7	9
20	The role of G-quadruplex structures of LIGS-generated aptamers R1.2 and R1.3 in IgM specific recognition. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 839-849	7.9	14
19	Integrating Ligand-Receptor Interactions and In Vitro Evolution for Streamlined Discovery of Artificial Nucleic Acid Ligands. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 17, 150-163	10.7	14
18	Dimerization of an aptamer generated from Ligand-guided selection (LIGS) yields a high affinity scaffold against B-cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 232-240	4	15
17	Synthesis of stable azide and alkyne functionalized phosphoramidite nucleosides. <i>Tetrahedron Letters</i> , 2019 , 60, 211-213	2	3
16	Systematic optimization and modification of a DNA aptamer with 2aO-methyl RNA analogues. <i>ChemistrySelect</i> , 2017 , 2, 2335-2340	1.8	17
15	Structural optimization of an aptamer generated from Ligand-Guided Selection (LIGS) resulted in high affinity variant toward mIgM expressed on Burkitt's lymphoma cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1825-1832	4	15
14	Evolution of Complex Target SELEX to Identify Aptamers against Mammalian Cell-Surface Antigens. <i>Molecules</i> , 2017 , 22,	4.8	58
13	Engineered Aptamers to Probe Molecular Interactions on the Cell Surface. <i>Biomedicines</i> , 2017 , 5,	4.8	12
12	Ligand-guided selection of aptamers against T-cell Receptor-cluster of differentiation 3 (TCR-CD3) expressed on Jurkat.E6 cells. <i>Analytical Biochemistry</i> , 2016 , 512, 1-7	3.1	30
11	Ligand-Guided Selection of Target-Specific Aptamers: A Screening Technology for Identifying Specific Aptamers Against Cell-Surface Proteins. <i>Nucleic Acid Therapeutics</i> , 2016 , 26, 190-8	4.8	42
10	A self-assembling short oligonucleotide duplex suitable for pretargeting. <i>Nucleic Acid Therapeutics</i> , 2013 , 23, 289-99	4.8	8
9	A multivalent DNA aptamer specific for the B-cell receptor on human lymphoma and leukemia. <i>Nucleic Acids Research</i> , 2011 , 39, 2458-69	20.1	148

8	Using aptamers evolved from cell-SELEX to engineer a molecular delivery platform. <i>Chemical Communications</i> , 2009 , 3056-8	5.8	14
7	Multivalent DNA Aptamer-Based Therapeutic Agents for Lymphoma and Leukemia.. <i>Blood</i> , 2009 , 114, 2711-2711	2.2	
6	Aptamer switch probe based on intramolecular displacement. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11268-9	16.4	257
5	Cell-specific aptamer probes for membrane protein elucidation in cancer cells. <i>Journal of Proteome Research</i> , 2008 , 7, 2133-9	5.6	370
4	Cell specific aptamer-photosensitizer conjugates as a molecular tool in photodynamic therapy. <i>ChemMedChem</i> , 2008 , 3, 425-8	3.7	64
3	Aptamer directly evolved from live cells recognizes membrane bound immunoglobulin heavy mu chain in Burkitt's lymphoma cells. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 2230-8	7.6	231
2	Selection of DNA ligands for protein kinase C-delta. <i>Chemical Communications</i> , 2006 , 3229-31	5.8	65
1	Aptamers evolved from live cells as effective molecular probes for cancer study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11838-43	11.5	1159