Meghan B O donoghue

List of Publications by Citations

24 papers	1,954 citations	18 h-index	25 g-index
25 ext. papers	2,146 ext. citations	7.8 avg, IF	4.5 L-index

#	Paper	IF	Citations
24	Development of DNA aptamers using Cell-SELEX. *Nature Protocols*, **2010**, 5, 1169-85	18.8	573
23	Assembly of aptamer switch probes and photosensitizer on gold nanorods for targeted photothermal and photodynamic cancer therapy. *ACS Nano*, **2012**, 6, 5070-7	16.7	297
22	A liposome-based nanostructure for aptamer directed delivery. *Chemical Communications*, **2010**, 46, 249-51	5.8	142
21	DNA aptamer-mediated cell targeting. *Angewandte Chemie - International Edition*, **2013**, 52, 1472-6	16.4	113
20	A surface energy transfer nanoruler for measuring binding site distances on live cell surfaces. *Journal of the American Chemical Society*, **2010**, 132, 16559-70	16.4	101
19	Photosensitizer-gold nanorod composite for targeted multimodal therapy. *Small*, **2013**, 9, 3678-84	11	95
18	Nanoparticles for multiplex diagnostics and imaging. *Nanomedicine*, **2006**, 1, 413-26	5.6	80
17	Highly fluorescent dye-doped silica nanoparticles increase flow cytometry sensitivity for cancer cell monitoring. *Nano Research*, **2009**, 2, 448-461	10	64
16	Aptamer-nanoparticle assembly for logic-based detection. *ACS Applied Materials & Interfaces*, **2012**, 4, 3007-11	9.5	59
15	Self-assembled aptamer-based drug carriers for bispecific cytotoxicity to cancer cells. *Chemistry - an Asian Journal*, **2012**, 7, 1630-6	4.5	56
14	Antibody Immunodominance: The Key to Understanding Influenza Virus Antigenic Drift. *Viral Immunology*, **2018**, 31, 142-149	1.7	55
13	Silencing of PTK7 in colon cancer cells: caspase-10-dependent apoptosis via mitochondrial pathway. *PLoS ONE*, **2010**, 5, e14018	3.7	55
12	Aptamer-conjugated nanorods for targeted photothermal therapy of prostate cancer stem cells. *Chemistry - an Asian Journal*, **2013**, 8, 2417-22	4.5	53
11	Lamprey VLRB response to influenza virus supports universal rules of immunogenicity and antigenicity. *ELife*, **2015**, 4,	8.9	48
10	Human Influenza A Virus Hemagglutinin Glycan Evolution Follows a Temporal Pattern to a Glycan Limit. *MBio*, **2019**, 10,	7.8	45
9	Using azobenzene incorporated DNA aptamers to probe molecular binding interactions. *Bioconjugate Chemistry*, **2011**, 22, 282-8	6.3	34
8	Single-molecule atomic force microscopy on live cells compares aptamer and antibody rupture forces. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 3205-9	4.4	27

List of Publications

7	Nanoparticle-aptamer conjugates for cancer cell targeting and detection. *Methods in Molecular Biology*, **2010**, 624, 235-48	1.4	26
6	Modifying cellular properties using artificial aptamer-lipid receptors. *Scientific Reports*, **2013**, 3, 3343	4.9	13
5	Biogenesis of influenza a virus hemagglutinin cross-protective stem epitopes. *PLoS Pathogens*, **2014**, 10, e1004204	7.6	7
4	NANOPARTICLES FOR BIOSENSORS **2008**, 583-621		5
3	Performance Enhancement and Adverse Consequences of MDMA. *Journal of Addictive Diseases*, **2006**, 25, 47-59	1.7	4
2	Glycan Clock Forecasts Human Influenza A Virus Hemagglutinin Evolution		2
1	Biosensors for the Genomic Age **2009**, 590-598		