

Eric Wickstrom

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.

51
papers

2,226
citations

26
h-index

47
g-index

53
ext. papers

2,338
ext. citations

6.3
avg, IF

4.57
L-index

#	Paper	IF	Citations
51	Targeting VPAC1 Receptors for Imaging Glioblastoma. <i>Molecular Imaging and Biology</i> , 2020 , 22, 293-302	3.8	3
50	Evaluating Ga-68 Peptide Conjugates for Targeting VPAC Receptors: Stability and Pharmacokinetics. <i>Molecular Imaging and Biology</i> , 2019 , 21, 130-139	3.8	8
49	Fluorescence Imaging of Huntingtin mRNA Knockdown. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1276-1282	6.3	1
48	Covalent Attachment of Daptomycin to Ti6Al4V Alloy Surfaces by a Thioether Linkage to Inhibit Colonization by. <i>ACS Omega</i> , 2017 , 2, 1645-1652	3.9	6
47	Evaluation of a PACAP Peptide Analogue Labeled with (68)Ga Using Two Different Chelating Agents. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2016 , 31, 29-36	3.9	5
46	DNA and RNA derivatives to optimize distribution and delivery. <i>Advanced Drug Delivery Reviews</i> , 2015 , 87, 25-34	18.5	21
45	Non-Specific Blocking of miR-17-5p Guide Strand in Triple Negative Breast Cancer Cells by Amplifying Passenger Strand Activity. <i>PLoS ONE</i> , 2015 , 10, e0142574	3.7	19
44	Fluorescence detection of KRAS2 mRNA hybridization in lung cancer cells with PNA-peptides containing an internal thiazole orange. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1697-708	6.3	24
43	Fluorescent peptide-PNA chimeras for imaging monoamine oxidase A mRNA in neuronal cells. <i>Bioconjugate Chemistry</i> , 2012 , 23, 158-63	6.3	17
42	Three dimensional projection environment for molecular design and surgical simulation. <i>Studies in Health Technology and Informatics</i> , 2011 , 163, 691-5	0.5	1
41	Physiologically based pharmacokinetics of molecular imaging nanoparticles for mRNA detection determined in tumor-bearing mice. <i>Oligonucleotides</i> , 2010 , 20, 117-25		17
40	Self-protecting bactericidal titanium alloy surface formed by covalent bonding of daptomycin bisphosphonates. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1978-86	6.3	16
39	Imaging human pancreatic cancer xenografts by targeting mutant KRAS2 mRNA with [(111)In]DOTA(n)-poly(diamidopropanoyl)(m)-KRAS2 PNA-D(Cys-Ser-Lys-Cys) nanoparticles. <i>Bioconjugate Chemistry</i> , 2010 , 21, 731-40	6.3	27
38	Micro- and nanotechnology approaches for capturing circulating tumor cells. <i>Cancer Nanotechnology</i> , 2010 , 1, 3-11	7.9	10
37	The inhibition of Staphylococcus epidermidis biofilm formation by vancomycin-modified titanium alloy and implications for the treatment of periprosthetic infection. <i>Biomaterials</i> , 2008 , 29, 4684-90	15.6	189
36	Insulin receptor substrate 1 knockdown in human MCF7 ER+ breast cancer cells by nuclease-resistant IRS1 siRNA conjugated to a disulfide-bridged D-peptide analogue of insulin-like growth factor 1. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1831-40	6.3	65
35	Vancomycin covalently bonded to titanium alloy prevents bacterial colonization. <i>Journal of Orthopaedic Research</i> , 2007 , 25, 858-66	3.8	134

34	Covalent bonding of vancomycin to Ti6Al4V alloy pins provides long-term inhibition of Staphylococcus aureus colonization. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 2692-6	2.9	51
33	Zebrafish tp53 knockdown extends the survival of irradiated zebrafish embryos more effectively than the p53 inhibitor pifithrin-alpha. <i>Cancer Biology and Therapy</i> , 2007 , 6, 675-8	4.6	13
32	Radiohybridization PET imaging of KRAS G12D mRNA expression in human pancreas cancer xenografts with [(64)Cu]DO3A-peptide nucleic acid-peptide nanoparticles. <i>Cancer Biology and Therapy</i> , 2007 , 6, 948-56	4.6	38
31	PET imaging of CCND1 mRNA in human MCF7 estrogen receptor positive breast cancer xenografts with oncogene-specific [64Cu]chelator-peptide nucleic acid-IGF1 analog radiohybridization probes. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 1699-707	8.9	36
30	Biomolecular Tuning of Electronic Transport Properties of Carbon Nanotubes via Antibody Functionalization. <i>IEEE Sensors Journal</i> , 2006 , 6, 1422-1428	4	17
29	Synthesis of novel peptide nucleic acid-peptide chimera for non-invasive imaging of cancer. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 409-14	1.4	19
28	Noninvasive molecular imaging of MYC mRNA expression in human breast cancer xenografts with a [99mTc]peptide-peptide nucleic acid-peptide chimera. <i>Bioconjugate Chemistry</i> , 2005 , 16, 70-9	6.3	37
27	Vancomycin covalently bonded to titanium beads kills Staphylococcus aureus. <i>Chemistry and Biology</i> , 2005 , 12, 1041-8		122
26	External imaging of CCND1, MYC, and KRAS oncogene mRNAs with tumor-targeted radionuclide-PNA-peptide chimeras. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1059, 106-44	6.5	38
25	Single-wall carbon nanotube nanobomb agents for killing breast cancer cells. <i>Nanobiotechnology</i> , 2005 , 1, 133-140		74
24	Single-wall carbon nanotubes with adsorbed antibodies detect live breast cancer cells. <i>Nanobiotechnology</i> , 2005 , 1, 353-360		13
23	Coordinate control of cell cycle regulatory genes in zebrafish development tested by cyclin D1 knockdown with morpholino phosphorodiamidates and hydroxypropyl-phosphono peptide nucleic acids. <i>Nucleic Acids Research</i> , 2005 , 33, 4914-21	20.1	34
22	External imaging of CCND1 cancer gene activity in experimental human breast cancer xenografts with 99mTc-peptide-peptide nucleic acid-peptide chimeras. <i>Journal of Nuclear Medicine</i> , 2004 , 45, 2070-82	8.9	43
21	Targeted gene knockdown in zebrafish using negatively charged peptide nucleic acid mimics. <i>Developmental Dynamics</i> , 2003 , 228, 405-13	2.9	52
20	Continuous solid-phase synthesis and disulfide cyclization of peptide-PNA-peptide chimeras. <i>Organic Letters</i> , 2002 , 4, 4013-6	6.2	34
19	Oligonucleotide treatment of ras-induced tumors in nude mice. <i>Molecular Biotechnology</i> , 2001 , 18, 35-55		8
18	Preclinical antisense DNA therapy of cancer in mice. <i>Methods in Enzymology</i> , 2000 , 314, 537-80	1.7	12
17	Antisense c-myc and immunostimulatory oligonucleotide inhibition of tumorigenesis in a murine B-cell lymphoma transplant model. <i>Journal of the National Cancer Institute</i> , 1998 , 90, 1146-54	9.7	72

16	Synthesis and characterization of a peptide nucleic acid conjugated to a D-peptide analog of insulin-like growth factor 1 for increased cellular uptake. <i>Bioconjugate Chemistry</i> , 1997 , 8, 481-8	6.3	96
15	Transformed and immortalized cellular uptake of oligodeoxynucleoside phosphorothioates, 3'-alkylamino oligodeoxynucleotides, 2'-O-methyl oligoribonucleotides, oligodeoxynucleoside methylphosphonates, and peptide nucleic acids. <i>Biochemical Pharmacology</i> , 1997 , 53, 1465-76	6	89
14	Differential oligonucleotide activity in cell culture versus mouse models. <i>Novartis Foundation Symposium</i> , 1997 , 209, 124-37; discussion 137-41		3
13	Stereospecific Grignard-Activated Solid Phase Synthesis of DNA Methylphosphonate Dimers. <i>Journal of Organic Chemistry</i> , 1996 , 61, 510-513	4.2	24
12	Inhibition of rabies virus infection by an oligodeoxynucleotide complementary to rabies virus genomic RNA. <i>Oligonucleotides</i> , 1996 , 6, 87-93		11
11	Prevention of Tumor Formation in a Mouse Model of Burkitt's Lymphoma by 6 Weeks of Treatment with Anti-c-myc DNA Phosphorothioate. <i>Molecular Medicine</i> , 1995 , 1, 647-658	6.2	28
10	Solid phase synthesis of a d-peptide-phosphorothioate oligodeoxynucleotide conjugate from two arms of a polyethylene glycol-polystyrene support. <i>Tetrahedron Letters</i> , 1995 , 36, 4943-4946	2	34
9	Synthesis of specific diastereomers of a DNA methylphosphonate heptamer, d(CpCpApApApCpA), and stability of base pairing with the normal DNA octamer d(TPGTPTPTPGPGPC). <i>Nucleic Acids Research</i> , 1994 , 22, 2404-9	20.1	40
8	Strategies for administering targeted therapeutic oligodeoxynucleotides. <i>Trends in Biotechnology</i> , 1992 , 10, 281-7	15.1	44
7	Antisense DNA downregulates protein kinase C isozymes (beta and alpha) and insulin-stimulated 2-deoxyglucose uptake in rat adipocytes. <i>Antisense Research and Development</i> , 1991 , 1, 35-42		25
6	Non-sequence-specific inhibition of transferrin receptor expression in HL-60 leukemia cells by phosphorothioate oligodeoxynucleotides. <i>Antisense Research and Development</i> , 1991 , 1, 329-42		42
5	A new DMAP-catalyzed phosphoramidite coupling reaction for synthesis of oligonucleotide methylphosphonate derivatives. <i>Tetrahedron Letters</i> , 1990 , 31, 851-854	2	9
4	Stereospecific coupling reaction for internucleotide methyl phosphonothioate linkage. <i>Tetrahedron Letters</i> , 1990 , 31, 855-858	2	14
3	Oligodeoxynucleoside phosphorothioate stability in subcellular extracts, culture media, sera and cerebrospinal fluid. <i>Journal of Proteomics</i> , 1990 , 20, 259-67		190
2	alpha-Oligodeoxynucleotide stability in serum, subcellular extracts and culture media. <i>Journal of Proteomics</i> , 1988 , 16, 311-8		29
1	Oligodeoxynucleotide stability in subcellular extracts and culture media. <i>Journal of Proteomics</i> , 1986 , 13, 97-102		272