# Eric Wickstrom

## List of Publications by Citations



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|---|---|---|---|
| 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 | Oligodeoxynucleotide stability in subcellular extracts and culture media. *Journal of Proteomics*, **1986**, 13, 97-102 | | 272 |
| 50 | Oligodeoxynucleoside phosphorothioate stability in subcellular extracts, culture media, sera and cerebrospinal fluid. *Journal of Proteomics*, **1990**, 20, 259-67 | | 190 |
| 49 | The inhibition of Staphylococcus epidermidis biofilm formation by vancomycin-modified titanium alloy and implications for the treatment of periprosthetic infection. *Biomaterials*, **2008**, 29, 4684-90 | 15.6 | 189 |
| 48 | Vancomycin covalently bonded to titanium alloy prevents bacterial colonization. *Journal of Orthopaedic Research*, **2007**, 25, 858-66 | 3.8 | 134 |
| 47 | Vancomycin covalently bonded to titanium beads kills Staphylococcus aureus. *Chemistry and Biology*, **2005**, 12, 1041-8 | | 122 |
| 46 | Synthesis and characterization of a peptide nucleic acid conjugated to a D-peptide analog of insulin-like growth factor 1 for increased cellular uptake. *Bioconjugate Chemistry*, **1997**, 8, 481-8 | 6.3 | 96 |
| 45 | Transformed and immortalized cellular uptake of oligodeoxynucleoside phosphorothioates, 3'-alkylamino oligodeoxynucleotides, 2'-O-methyl oligoribonucleotides, oligodeoxynucleoside methylphosphonates, and peptide nucleic acids. *Biochemical Pharmacology*, **1997**, 53, 1465-76 | 6 | 89 |
| 44 | Single-wall carbon nanotube nanobomb agents for killing breast cancer cells. *Nanobiotechnology*, **2005**, 1, 133-140 | | 74 |
| 43 | Antisense c-myc and immunostimulatory oligonucleotide inhibition of tumorigenesis in a murine B-cell lymphoma transplant model. *Journal of the National Cancer Institute*, **1998**, 90, 1146-54 | 9.7 | 72 |
| 42 | 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. *Bioconjugate Chemistry*, **2007**, 18, 1831-40 | 6.3 | 65 |
| 41 | Targeted gene knockdown in zebrafish using negatively charged peptide nucleic acid mimics. *Developmental Dynamics*, **2003**, 228, 405-13 | 2.9 | 52 |
| 40 | Covalent bonding of vancomycin to Ti6Al4V alloy pins provides long-term inhibition of Staphylococcus aureus colonization. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 2692-6 | 2.9 | 51 |
| 39 | Strategies for administering targeted therapeutic oligodeoxynucleotides. *Trends in Biotechnology*, **1992**, 10, 281-7 | 15.1 | 44 |
| 38 | External imaging of CCND1 cancer gene activity in experimental human breast cancer xenografts with 99mTc-peptide-peptide nucleic acid-peptide chimeras. *Journal of Nuclear Medicine*, **2004**, 45, 2070-82 | 8.9 | 43 |
| 37 | Non-sequence-specific inhibition of transferrin receptor expression in HL-60 leukemia cells by phosphorothioate oligodeoxynucleotides. *Antisense Research and Development*, **1991**, 1, 329-42 | | 42 |
| 36 | Synthesis of specific diastereomers of a DNA methylphosphonate heptamer, d(CpCpApApApCpA), and stability of base pairing with the normal DNA octamer d(TPGPTPTPTPGPGPC). *Nucleic Acids Research*, **1994**, 22, 2404-9 | 20.1 | 40 |
| 35 | Radiohybridization PET imaging of KRAS G12D mRNA expression in human pancreas cancer xenografts with [(64)Cu]DO3A-peptide nucleic acid-peptide nanoparticles. *Cancer Biology and Therapy*, **2007**, 6, 948-56 | 4.6 | 38 |

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| 34 | External imaging of CCND1, MYC, and KRAS oncogene mRNAs with tumor-targeted radionuclide-PNA-peptide chimeras. *Annals of the New York Academy of Sciences*, **2005**, 1059, 106-44 | 6.5 | 38 |
| 33 | Noninvasive molecular imaging of MYC mRNA expression in human breast cancer xenografts with a [99mTc]peptide-peptide nucleic acid-peptide chimera. *Bioconjugate Chemistry*, **2005**, 16, 70-9 | 6.3 | 37 |
| 32 | 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. *Journal of Nuclear Medicine*, **2007**, 48, 1699-707 | 8.9 | 36 |
| 31 | Coordinate control of cell cycle regulatory genes in zebrafish development tested by cyclin D1 knockdown with morpholino phosphorodiamidates and hydroxyprolyl-phosphono peptide nucleic acids. *Nucleic Acids Research*, **2005**, 33, 4914-21 | 20.1 | 34 |
| 30 | Continuous solid-phase synthesis and disulfide cyclization of peptide-PNA-peptide chimeras. *Organic Letters*, **2002**, 4, 4013-6 | 6.2 | 34 |
| 29 | Solid phase synthesis of a d-peptide-phosphorothioate oligodeoxynucleotide conjugate from two arms of a polyethylene glycol-polystyrene support. *Tetrahedron Letters*, **1995**, 36, 4943-4946 | 2 | 34 |
| 28 | alpha-Oligodeoxynucleotide stability in serum, subcellular extracts and culture media. *Journal of Proteomics*, **1988**, 16, 311-8 | | 29 |
| 27 | Prevention of Tumor Formation in a Mouse Model of Burkitt Lymphoma by 6 Weeks of Treatment with Anti-c-myc DNA Phosphorothioate. *Molecular Medicine*, **1995**, 1, 647-658 | 6.2 | 28 |
| 26 | 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. *Bioconjugate Chemistry*, **2010**, 21, 731-40 | 6.3 | 27 |
| 25 | Antisense DNA downregulates protein kinase C isozymes (beta and alpha) and insulin-stimulated 2-deoxyglucose uptake in rat adipocytes. *Antisense Research and Development*, **1991**, 1, 35-42 | | 25 |
| 24 | Fluorescence detection of KRAS2 mRNA hybridization in lung cancer cells with PNA-peptides containing an internal thiazole orange. *Bioconjugate Chemistry*, **2014**, 25, 1697-708 | 6.3 | 24 |
| 23 | Stereospecific Grignard-Activated Solid Phase Synthesis of DNA Methylphosphonate Dimers. *Journal of Organic Chemistry*, **1996**, 61, 510-513 | 4.2 | 24 |
| 22 | DNA and RNA derivatives to optimize distribution and delivery. *Advanced Drug Delivery Reviews*, **2015**, 87, 25-34 | 18.5 | 21 |
| 21 | Non-Specific Blocking of miR-17-5p Guide Strand in Triple Negative Breast Cancer Cells by Amplifying Passenger Strand Activity. *PLoS ONE*, **2015**, 10, e0142574 | 3.7 | 19 |
| 20 | Synthesis of novel peptide nucleic acid-peptide chimera for non-invasive imaging of cancer. *Nucleosides, Nucleotides and Nucleic Acids*, **2005**, 24, 409-14 | 1.4 | 19 |
| 19 | Fluorescent peptide-PNA chimeras for imaging monoamine oxidase A mRNA in neuronal cells. *Bioconjugate Chemistry*, **2012**, 23, 158-63 | 6.3 | 17 |
| 18 | Physiologically based pharmacokinetics of molecular imaging nanoparticles for mRNA detection determined in tumor-bearing mice. *Oligonucleotides*, **2010**, 20, 117-25 | | 17 |
| 17 | Biomolecular Tuning of Electronic Transport Properties of Carbon Nanotubes via Antibody Functionalization. *IEEE Sensors Journal*, **2006**, 6, 1422-1428 | 4 | 17 |

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| 16 | Self-protecting bactericidal titanium alloy surface formed by covalent bonding of daptomycin bisphosphonates. *Bioconjugate Chemistry*, **2010**, 21, 1978-86 | 6.3 | 16 |
| 15 | Stereospecific coupling reaction for internucleotide methyl phosphonothioate linkage. *Tetrahedron Letters*, **1990**, 31, 855-858 | 2 | 14 |
| 14 | Zebrafish tp53 knockdown extends the survival of irradiated zebrafish embryos more effectively than the p53 inhibitor pifithrin-alpha. *Cancer Biology and Therapy*, **2007**, 6, 675-8 | 4.6 | 13 |
| 13 | Single-wall carbon nanotubes with adsorbed antibodies detect live breast cancer cells. *Nanobiotechnology*, **2005**, 1, 353-360 | | 13 |
| 12 | Preclinical antisense DNA therapy of cancer in mice. *Methods in Enzymology*, **2000**, 314, 537-80 | 1.7 | 12 |
| 11 | Inhibition of rabies virus infection by an oligodeoxynucleotide complementary to rabies virus genomic RNA. *Oligonucleotides*, **1996**, 6, 87-93 | | 11 |
| 10 | Micro- and nanotechnology approaches for capturing circulating tumor cells. *Cancer Nanotechnology*, **2010**, 1, 3-11 | 7.9 | 10 |
| 9 | A new DMAP-catalyzed phosphonamidite coupling reaction for synthesis of oligonucleotide methylphosphonate derivatives. *Tetrahedron Letters*, **1990**, 31, 851-854 | 2 | 9 |
| 8 | Evaluating Ga-68 Peptide Conjugates for Targeting VPAC Receptors: Stability and Pharmacokinetics. *Molecular Imaging and Biology*, **2019**, 21, 130-139 | 3.8 | 8 |
| 7 | Oligonucleotide treatment of ras-induced tumors in nude mice. *Molecular Biotechnology*, **2001**, 18, 35-55 | 3 | 8 |
| 6 | Covalent Attachment of Daptomycin to Ti6Al4V Alloy Surfaces by a Thioether Linkage to Inhibit Colonization by. *ACS Omega*, **2017**, 2, 1645-1652 | 3.9 | 6 |
| 5 | Evaluation of a PACAP Peptide Analogue Labeled with (68)Ga Using Two Different Chelating Agents. *Cancer Biotherapy and Radiopharmaceuticals*, **2016**, 31, 29-36 | 3.9 | 5 |
| 4 | Targeting VPAC1 Receptors for Imaging Glioblastoma. *Molecular Imaging and Biology*, **2020**, 22, 293-302 | 3.8 | 3 |
| 3 | Differential oligonucleotide activity in cell culture versus mouse models. *Novartis Foundation Symposium*, **1997**, 209, 124-37; discussion 137-41 | | 3 |
| 2 | Fluorescence Imaging of Huntingtin mRNA Knockdown. *Bioconjugate Chemistry*, **2018**, 29, 1276-1282 | 6.3 | 1 |
| 1 | Three dimensional projection environment for molecular design and surgical simulation. *Studies in Health Technology and Informatics*, **2011**, 163, 691-5 | 0.5 | 1 |