

Pasi Virta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5371765/publications.pdf>

Version: 2024-02-01

65
papers

996
citations

430874

18
h-index

501196

28
g-index

67
all docs

67
docs citations

67
times ranked

918
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Assembly of Bleomycin Saccharide-Decorated Spherical Nucleic Acids. <i>Bioconjugate Chemistry</i> , 2022, 33, 206-218. | 3.6 | 5 |
| 2 | <i>N</i> -Methoxy-1,3-oxazinane nucleic acids (MOANAs) – a configurationally flexible backbone modification allows post-synthetic incorporation of base moieties. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3480-3485. | 2.8 | 2 |
| 3 | The DNA polymerase of bacteriophage YerA41 replicates its T-modified DNA in a primer-independent manner. <i>Nucleic Acids Research</i> , 2022, , . | 14.5 | 2 |
| 4 | 2-Trifluoromethyl-6-mercurianiline Nucleotide, a Sensitive ¹⁹ F NMR Probe for Hg(II)-mediated Base Pairing. <i>Journal of Organic Chemistry</i> , 2022, 87, 137-146. | 3.2 | 4 |
| 5 | Synthesis of an Azide- and Tetrazine-Functionalized [60]Fullerene and Its Controlled Decoration with Biomolecules. <i>ACS Omega</i> , 2022, 7, 1329-1336. | 3.5 | 4 |
| 6 | The role of the maleimide ring system on the structure-activity relationship of showdomycin. <i>European Journal of Medicinal Chemistry</i> , 2022, 237, 114342. | 5.5 | 4 |
| 7 | Covalently Mercurated Molecular Beacon for Discriminating the Canonical Nucleobases. <i>ChemBioChem</i> , 2021, 22, 354-358. | 2.6 | 12 |
| 8 | Synthesis of fully protected trinucleotide building blocks on a disulphide-linked soluble support. <i>RSC Advances</i> , 2021, 11, 3892-3896. | 3.6 | 3 |
| 9 | Stability of the Phosphotriester PDE6D Inhibitors. <i>ChemistrySelect</i> , 2021, 6, 488-493. | 1.5 | 1 |
| 10 | Expanding the Scope of the Cleavable N-(Methoxy)oxazolidine Linker for the Synthesis of Oligonucleotide Conjugates. <i>Molecules</i> , 2021, 26, 490. | 3.8 | 4 |
| 11 | The mechanism of the nucleo-sugar selection by multi-subunit RNA polymerases. <i>Nature Communications</i> , 2021, 12, 796. | 12.8 | 8 |
| 12 | Controlled Monofunctionalization of Molecular Spherical Nucleic Acids on a Buckminster Fullerene Core. <i>Bioconjugate Chemistry</i> , 2021, 32, 1130-1138. | 3.6 | 9 |
| 13 | More versatile synthesis of oligonucleotides. <i>Science</i> , 2021, 373, 1196-1197. | 12.6 | 1 |
| 14 | Drug-to-Antibody Ratio Estimation via Proteoform Peak Integration in the Analysis of Antibody-Oligonucleotide Conjugates with Orbitrap Fourier Transform Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 12930-12937. | 6.5 | 15 |
| 15 | PDE6D Inhibitors with a New Design Principle Selectively Block K-Ras Activity. <i>ACS Omega</i> , 2020, 5, 832-842. | 3.5 | 27 |
| 16 | Site-Specific Linking of an Oligonucleotide to Mono- and Bivalent Recombinant Antibodies with SpyCatcher-SpyTag System for Immuno-PCR. <i>ACS Omega</i> , 2020, 5, 24927-24934. | 3.5 | 6 |
| 17 | Conjugation of Oligonucleotides to Peptide Aldehydes via a pH-Responsive <i>N</i> -Methoxyoxazolidine Linker. <i>Organic Letters</i> , 2020, 22, 6714-6718. | 4.6 | 7 |
| 18 | Immobilized Carbohydrates for Preparation of 3- α -Glycoconjugated Oligonucleotides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2020, 83, e122. | 0.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Characterization of C-nucleoside Antimicrobials from <i>Streptomyces albus</i> DSM 40763: Strepturidin is Pseudouridimycin. <i>Scientific Reports</i> , 2019, 9, 8935. | 3.3 | 18 |
| 20 | Oxazinomycin arrests RNA polymerase at the polythymidine sequences. <i>Nucleic Acids Research</i> , 2019, 47, 10296-10312. | 14.5 | 11 |
| 21 | Î³-((S)-Guanidinylmethyl)-Modified Triplex-Forming Peptide Nucleic Acids Increase Hoogsteen-Base Affinity for a MicroRNA and Enhance Cellular Uptake. <i>ChemBioChem</i> , 2019, 20, 3041-3051. | 2.6 | 8 |
| 22 | 3-Fluoro-2-mercuri-6-methylaniline Nucleotide as a High-Affinity Nucleobase-Specific Hybridization Probe. <i>Bioconjugate Chemistry</i> , 2019, 30, 2183-2190. | 3.6 | 15 |
| 23 | Synthesis of Glycosidic (2',3' and 4') Site Isomers of Neomycin B and their Effect on RNA and DNA Triplex Stability. <i>Molecules</i> , 2019, 24, 580. | 3.8 | 1 |
| 24 | Noninvasive and Quantitative Monitoring of the Distributions and Kinetics of MicroRNA-Targeting Molecules in Vivo by Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2019, 16, 1507-1515. | 4.6 | 6 |
| 25 | Synthesis of an Alkyne-Modified Bleomycin Disaccharide Precursor, Conversion to a ¹⁸ F-Labeled Radiotracer, and Preliminary in vivo PET Imaging Studies. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 156-163. | 2.4 | 3 |
| 26 | DNA-Templated N-(Me)-Alkoxyamine Glycosylation. <i>Organic Letters</i> , 2018, 20, 1496-1499. | 4.6 | 5 |
| 27 | Synthesis and Applicability of Base-Discriminating DNA-Triplex-Forming ¹⁹ F NMR Probes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 605-613. | 2.4 | 6 |
| 28 | Synthesis of Azide-Modified Chondroitin Sulfate Precursors: Substrates for "Click" Conjugation with Fluorescent Labels and Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2018, 29, 2382-2393. | 3.6 | 12 |
| 29 | Discovery of the Showdomycin Gene Cluster from <i>Streptomyces showdoensis</i> ATCC 15227 Yields Insight into the Biosynthetic Logic of C-Nucleoside Antibiotics. <i>ACS Chemical Biology</i> , 2017, 12, 1472-1477. | 3.4 | 37 |
| 30 | ¹⁹ F...NMR Spectroscopic Analysis of the Binding Modes in Triple-Helical Peptide Nucleic Acid (PNA)/MicroRNA Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 7113-7124. | 3.3 | 24 |
| 31 | Synthesis of Aminoglycoside-2'-O-Methyl Oligoribonucleotide Fusions. <i>Molecules</i> , 2017, 22, 760. | 3.8 | 3 |
| 32 | Zinc Ion-Dependent Peptide Nucleic Acid-Based Artificial Enzyme that Cleaves RNA-Bulge Size and Sequence Dependence. <i>Molecules</i> , 2017, 22, 1856. | 3.8 | 14 |
| 33 | In Vivo Bone-Targeting of Bis(phosphonate)-Conjugated Double Helical RNA Monitored by Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2016, 13, 2588-2595. | 4.6 | 8 |
| 34 | Characterization of C-Quadruplex/Hairpin Transitions of RNAs by ¹⁹ F...NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 15360-15372. | 3.3 | 22 |
| 35 | Solid-Supported Porphyrins Useful for the Synthesis of Conjugates with Oligomeric Biomolecules. <i>Bioconjugate Chemistry</i> , 2016, 27, 1023-1029. | 3.6 | 6 |
| 36 | Synthesis and In Vivo PET Imaging of Hyaluronan Conjugates of Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2016, 27, 391-403. | 3.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Preparation of a disulfide-linked precipitative soluble support for solution-phase synthesis of trimeric oligodeoxyribonucleotide 3'-(2-chlorophenylphosphate) building blocks. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1553-1560. | 2.2 | 9 |
| 38 | 2'-O-[(4-CF ₃ -triazol-1-yl)methyl] Uridine – A Sensitive ¹⁹ F NMR Sensor for the Detection of RNA Secondary Structures. <i>Journal of Organic Chemistry</i> , 2015, 80, 7961-7970. | 3.2 | 24 |
| 39 | Synthesis of C-5, C-2' and C-4'-neomycin-conjugated triplex forming oligonucleotides and their affinity to DNA-duplexes. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4472-4480. | 3.0 | 9 |
| 40 | Solution phase synthesis of short oligoribonucleotides on a precipitative tetrapodal support. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2279-2285. | 2.2 | 16 |
| 41 | Synthesis of multi-galactose-conjugated 2'-O-methyl oligoribonucleotides and their in vivo imaging with positron emission tomography. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6806-6813. | 3.0 | 16 |
| 42 | 4'-C-[(4-Trifluoromethyl-1-H-1,2,3-triazol-1-yl)methyl]thymidine as a Sensitive ¹⁹ F NMR Sensor for the Detection of Oligonucleotide Secondary Structures. <i>Journal of Organic Chemistry</i> , 2014, 79, 3529-3536. | 3.2 | 29 |
| 43 | Solution-Phase Synthesis of Short Oligo-2'-deoxyribonucleotides by Using Clustered Nucleosides as a Soluble Support. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6687-6693. | 2.4 | 21 |
| 44 | Zn ²⁺ Complexes of 3,5-Bis[(1,9-triazacyclododecan-3-yl)oxy)methyl]phenyl Conjugates of Oligonucleotides as Artificial RNases: The Effect of Oligonucleotide Conjugation on Uridine Selectivity of the Cleaving Agent. <i>Helvetica Chimica Acta</i> , 2013, 96, 31-43. | 1.6 | 4 |
| 45 | Synthesis of Fluorine-Labeled Peptide Nucleic Acid Building Blocks as Sensors for the ¹⁹ F NMR Spectroscopic Detection of Different Hybridization Modes. <i>Journal of Organic Chemistry</i> , 2013, 78, 5153-5159. | 3.2 | 24 |
| 46 | Synthesis of Short Oligodeoxyribonucleotides by Phosphotriester Chemistry on a Precipitative Tetrapodal Support. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7886-7890. | 2.4 | 11 |
| 47 | Synthesis of Biotinylated Multipodal Glycoclusters on a Solid Support. <i>European Journal of Organic Chemistry</i> , 2012, 2012, n/a-n/a. | 2.4 | 4 |
| 48 | Solid-Supported NOTA and DOTA Chelators Useful for the Synthesis of ³ -Radiometalated Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2012, 23, 1981-1988. | 3.6 | 18 |
| 49 | Acetylated and Methylated β-Cyclodextrins as Viable Soluble Supports for the Synthesis of Short 2'-O-primed-Oligodeoxyribo-nucleotides in Solution. <i>Molecules</i> , 2012, 17, 12102-12120. | 3.8 | 18 |
| 50 | Synthesis of Aminoglycoside-3'-Conjugates of 2'-O-Methyl Oligoribonucleotides and Their Invasion to a ¹⁹ F labeled HIV-1 TAR Model. <i>Bioconjugate Chemistry</i> , 2011, 22, 1559-1566. | 3.6 | 23 |
| 51 | Solid-Supported 2'-O-Glycoconjugation of Oligonucleotides by Azidation and Click Reactions. <i>Bioconjugate Chemistry</i> , 2011, 22, 1249-1255. | 3.6 | 24 |
| 52 | Synthesis of Oligonucleotide Glycoconjugates Using Sequential Click and Oximation Ligations. <i>Bioconjugate Chemistry</i> , 2010, 21, 748-755. | 3.6 | 42 |
| 53 | Solid-Supported Synthesis and Click Conjugation of 4'-C-Alkyne Functionalized Oligodeoxyribonucleotides. <i>Bioconjugate Chemistry</i> , 2010, 21, 1890-1901. | 3.6 | 29 |
| 54 | Characterization of RNA Invasion by ¹⁹ F NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 8560-8562. | 13.7 | 44 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Synthesis of Aminoglycoside Conjugates of 2'-O-Methyl Oligoribonucleotides. <i>Bioconjugate Chemistry</i> , 2008, 19, 766-777. | 3.6 | 16 |
| 56 | Utilization of Intrachain 4'-Azidomethylthymidine for Preparation of Oligodeoxyribonucleotide Conjugates by Click Chemistry in Solution and on a Solid Support. <i>Bioconjugate Chemistry</i> , 2008, 19, 1726-1734. | 3.6 | 64 |
| 57 | Synthesis and Cellular Uptake of Fluorescently Labeled Multivalent Hyaluronan Disaccharide Conjugates of Oligonucleotide Phosphorothioates. <i>Bioconjugate Chemistry</i> , 2008, 19, 2549-2558. | 3.6 | 17 |
| 58 | Orthogonally Protected Cyclo ² -tetrapeptides as Solid-Supported Scaffolds for the Synthesis of Glycoclusters. <i>Journal of Organic Chemistry</i> , 2006, 71, 1989-1999. | 3.2 | 31 |
| 59 | Pentaerythrityltetramine Scaffolds for Solid-Phase Combinatorial Chemistry ¹ . <i>Journal of Organic Chemistry</i> , 2004, 69, 2008-2016. | 3.2 | 21 |
| 60 | Solid-Phase Synthesis of Multiantennary Oligonucleotide Glycoconjugates Utilizing On-Support Oximation. <i>Bioconjugate Chemistry</i> , 2004, 15, 890-896. | 3.6 | 48 |
| 61 | Solid-Supported Synthesis of Bicyclic Peptides Containing Three Parallel Peptide Chains. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1687-1691. | 2.4 | 5 |
| 62 | Solid-Supported Synthesis of Cryptand-like Macrobicyclic Peptides. <i>Journal of Organic Chemistry</i> , 2003, 68, 8534-8538. | 3.2 | 8 |
| 63 | Synthesis of Spirobicyclic Peptides on a Solid Support. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3616-3621. | 2.4 | 7 |
| 64 | Synthesis of Orthogonally Protected Bis(aminomethyl)malonic Acid, and Its Use as a Key Building Block in the Preparation of Cyclic Peptide Conjugates of 2-N-Alkyl-1,2,3,4-tetrahydroisoquinoline on a Solid Support. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 3467-3473. | 2.4 | 7 |
| 65 | Aminoxy Functionalized Oligonucleotides: Preparation, On-Support Derivatization, and Postsynthetic Attachment to Polymer Support. <i>Bioconjugate Chemistry</i> , 1999, 10, 815-823. | 3.6 | 76 |