

# Jory Lietard

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

492  
citations

759233

12  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence-dependent quenching of fluorescein fluorescence on single-stranded and double-stranded DNA. <i>RSC Advances</i> , 2022, 12, 5629-5637.	3.6	10
2	Defining the <i>Sphagnum</i> Core Microbiome across the North American Continent Reveals a Central Role for Diazotrophic Methanotrophs in the Nitrogen and Carbon Cycles of Boreal Peatland Ecosystems. <i>MBio</i> , 2022, 13, .	4.1	18
3	Simple synthesis of massively parallel RNA microarrays via enzymatic conversion from DNA microarrays. <i>Nature Communications</i> , 2022, 13, .	12.8	4
4	Sequence Preference and Initiator Promiscuity for <i>De Novo</i> DNA Synthesis by Terminal Deoxynucleotidyl Transferase. <i>ACS Synthetic Biology</i> , 2021, 10, 1750-1760.	3.8	16
5	Chemical and photochemical error rates in light-directed synthesis of complex DNA libraries. <i>Nucleic Acids Research</i> , 2021, 49, 6687-6701.	14.5	20
6	Low cost DNA data storage using photolithographic synthesis and advanced information reconstruction and error correction. <i>Nature Communications</i> , 2020, 11, 5345.	12.8	66
7	DNA Duplex Formation as a Bioorthogonal Information Channel in Nucleic Acid-Based Surface Patterning. <i>Chemistry - A European Journal</i> , 2020, 26, 14310-14314.	3.3	6
8	Chip-SIP: Stable Isotope Probing Analyzed with rRNA-Targeted Microarrays and NanoSIMS. <i>Methods in Molecular Biology</i> , 2019, 2046, 71-87.	0.9	9
9	Spotting, Transcription and In Situ Synthesis: Three Routes for the Fabrication of RNA Microarrays. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 862-868.	4.1	10
10	Large-Scale Photolithographic Synthesis of Chimeric DNA/RNA Hairpin Microarrays To Explore Sequence Specificity Landscapes of RNase HIII Cleavage. <i>Biochemistry</i> , 2019, 58, 4389-4397.	2.5	11
11	High-Density DNA and RNA microarrays - Photolithographic Synthesis, Hybridization and Preparation of Large Nucleic Acid Libraries. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
12	Multi-level patterning nucleic acid photolithography. <i>Nature Communications</i> , 2019, 10, 3805.	12.8	29
13	Identification of Cinnamaldehyde as Most Effective Fatty Acid Uptake Reducing Cinnamon-Derived Compound in Differentiated Caco-2 Cells Compared to Its Structural Analogues Cinnamyl Alcohol, Cinnamic Acid, and Cinnamyl Isobutyrate. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11638-11649.	5.2	7
14	Specificity and Efficiency of the Uracil DNA Glycosylase-Mediated Strand Cleavage Surveyed on Large Sequence Libraries. <i>Scientific Reports</i> , 2019, 9, 17822.	3.3	16
15	High-Efficiency Reverse (5' to 3') Synthesis of Complex DNA Microarrays. <i>Scientific Reports</i> , 2018, 8, 15099.	3.3	17
16	In situ Synthese von hochdichten RNA-Mikroarrays mittels Photolithographie. <i>Angewandte Chemie</i> , 2018, 130, 15477-15481.	2.0	2
17	High-Density RNA Microarrays Synthesized In situ by Photolithography. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15257-15261.	13.8	31
18	Mapping the affinity landscape of Thrombin-binding aptamers on 2'F-ANA/DNA chimeric G-Quadruplex microarrays. <i>Nucleic Acids Research</i> , 2017, 45, gkw1357.	14.5	40

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19	An orthogonal photolabile linker for the complete $\alpha$ - <i>in situ</i> -support synthesis/fast deprotection/hybridization of RNA. <i>Chemical Communications</i> , 2014, 50, 15063-15066.	4.1	6
20	Base-cleavable microarrays for the characterization of DNA and RNA oligonucleotides synthesized <i>in situ</i> by photolithography. <i>Chemical Communications</i> , 2014, 50, 12903-12906.	4.1	8
21	Synthesis, Pairing, and Cellular Uptake Properties of C(6)-Functionalized Tricyclo-DNA. <i>Journal of Organic Chemistry</i> , 2012, 77, 4566-4577.	3.2	18
22	2-Pyrenyl-DNA: Synthesis, Pairing, and Fluorescence Properties. <i>Organic Letters</i> , 2012, 14, 5176-5179.	4.6	28
23	Synthesis, binding and cellular uptake properties of oligodeoxynucleotides containing cationic bicyclo-thymidine residues. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5869-5875.	3.0	10
24	New Strategies for Cyclization and Bicyclization of Oligonucleotides by Click Chemistry Assisted by Microwaves. <i>Journal of Organic Chemistry</i> , 2008, 73, 191-200.	3.2	76
25	An efficient reagent for 5'-azido oligonucleotide synthesis. <i>Tetrahedron Letters</i> , 2007, 48, 8795-8798.	1.4	27