Jory Lietard

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9347259/publications.pdf

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25	492	759233 12	677142 22
papers	citations	h-index	g-index

26	26	26	431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Strategies for Cyclization and Bicyclization of Oligonucleotides by Click Chemistry Assisted by Microwaves. Journal of Organic Chemistry, 2008, 73, 191-200.	3.2	76
2	Low cost DNA data storage using photolithographic synthesis and advanced information reconstruction and error correction. Nature Communications, 2020, 11, 5345.	12.8	66
3	Mapping the affinity landscape of Thrombin-binding aptamers on 2â€²F-ANA/DNA chimeric G-Quadruplex microarrays. Nucleic Acids Research, 2017, 45, gkw1357.	14.5	40
4	Highâ€Ðensity RNA Microarrays Synthesized Inâ€…Situ by Photolithography. Angewandte Chemie - International Edition, 2018, 57, 15257-15261.	13.8	31
5	Multi-level patterning nucleic acid photolithography. Nature Communications, 2019, 10, 3805.	12.8	29
6	2-Pyrenyl-DNA: Synthesis, Pairing, and Fluorescence Properties. Organic Letters, 2012, 14, 5176-5179.	4.6	28
7	An efficient reagent for 5â€²-azido oligonucleotide synthesis. Tetrahedron Letters, 2007, 48, 8795-8798.	1.4	27
8	Chemical and photochemical error rates in light-directed synthesis of complex DNA libraries. Nucleic Acids Research, 2021, 49, 6687-6701.	14.5	20
9	Synthesis, Pairing, and Cellular Uptake Properties of C(6â€²)-Functionalized Tricyclo-DNA. Journal of Organic Chemistry, 2012, 77, 4566-4577.	3.2	18
10	Defining the Sphagnum Core Microbiome across the North American Continent Reveals a Central Role for Diazotrophic Methanotrophs in the Nitrogen and Carbon Cycles of Boreal Peatland Ecosystems. MBio, 2022, 13, .	4.1	18
11	High-Efficiency Reverse (5â€²â†'3â€²) Synthesis of Complex DNA Microarrays. Scientific Reports, 2018, 8, 15099.	3.3	17
12	Specificity and Efficiency of the Uracil DNA Glycosylase-Mediated Strand Cleavage Surveyed on Large Sequence Libraries. Scientific Reports, 2019, 9, 17822.	3.3	16
13	Sequence Preference and Initiator Promiscuity for De Novo DNA Synthesis by Terminal Deoxynucleotidyl Transferase. ACS Synthetic Biology, 2021, 10, 1750-1760.	3.8	16
14	Large-Scale Photolithographic Synthesis of Chimeric DNA/RNA Hairpin Microarrays To Explore Sequence Specificity Landscapes of RNase HII Cleavage. Biochemistry, 2019, 58, 4389-4397.	2.5	11
15	Synthesis, binding and cellular uptake properties of oligodeoxynucleotides containing cationic bicyclo-thymidine residues. Bioorganic and Medicinal Chemistry, 2011, 19, 5869-5875.	3.0	10
16	Spotting, Transcription and In Situ Synthesis: Three Routes for the Fabrication of RNA Microarrays. Computational and Structural Biotechnology Journal, 2019, 17, 862-868.	4.1	10
17	Sequence-dependent quenching of fluorescein fluorescence on single-stranded and double-stranded DNA. RSC Advances, 2022, 12, 5629-5637.	3.6	10
18	Chip-SIP: Stable Isotope Probing Analyzed with rRNA-Targeted Microarrays and NanoSIMS. Methods in Molecular Biology, 2019, 2046, 71-87.	0.9	9

#	Article	IF	Citations
19	Base-cleavable microarrays for the characterization of DNA and RNA oligonucleotides synthesized in situ by photolithography. Chemical Communications, 2014, 50, 12903-12906.	4.1	8
20	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. Journal of Agricultural and Food Chemistry, 2019, 67, 11638-11649.	5.2	7
21	An orthogonal photolabile linker for the complete â€œon-supportâ€•synthesis/fast deprotection/hybridization of RNA. Chemical Communications, 2014, 50, 15063-15066.	4.1	6
22	<scp>I</scp>â€ÐNA Duplex Formation as a Bioorthogonal Information Channel in Nucleic Acidâ€Based Surface Patterning. Chemistry - A European Journal, 2020, 26, 14310-14314.	3.3	6
23	High-Density DNA and RNA microarrays - Photolithographic Synthesis, Hybridization and Preparation of Large Nucleic Acid Libraries. Journal of Visualized Experiments, 2019, , .	0.3	5
24	Simple synthesis of massively parallel RNA microarrays via enzymatic conversion from DNA microarrays. Nature Communications, 2022, 13, .	12.8	4
25	Inâ€situâ€Synthese von hochdichten RNAâ€Mikroarrays mittels Photolithographie. Angewandte Chemie, 2018, 130, 15477-15481.	2.0	2