

Florent Samain

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,221
citations

394421

19
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical Arrangement of Interstrand Stacked Pyrenes in a DNA Framework. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4464-4467.	13.8	144
2	DNA-Encoded Chemical Libraries: A Comprehensive Review with Successful Stories and Future Challenges. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1265-1279.	4.9	120
3	Optimized Reaction Conditions for Amide Bond Formation in DNA-Encoded Combinatorial Libraries. <i>ACS Combinatorial Science</i> , 2016, 18, 438-443.	3.8	94
4	Identification of Structure-Activity Relationships from Screening a Structurally Compact DNA-Encoded Chemical Library. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3927-3931.	13.8	86
5	DNA-Assisted Self-Assembly of Pyrene Foldamers. <i>Chemistry - A European Journal</i> , 2009, 15, 5701-5708.	3.3	60
6	Tankyrase 1 Inhibitors with Drug-like Properties Identified by Screening a DNA-Encoded Chemical Library. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5143-5149.	6.4	60
7	Polyfluorophores on a DNA Backbone: Sensors of Small Molecules in the Vapor Phase. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7025-7029.	13.8	58
8	Systematic Evaluation and Optimization of Modification Reactions of Oligonucleotides with Amines and Carboxylic Acids for the Synthesis of DNA-Encoded Chemical Libraries. <i>Bioconjugate Chemistry</i> , 2014, 25, 1453-1461.	3.6	56
9	An ultra-high-affinity small organic ligand of fibroblast activation protein for tumor-targeting applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	56
10	Metabolic Labeling of DNA by Purine Analogues in Vivo. <i>ChemBioChem</i> , 2012, 13, 1750-1753.	2.6	49
11	Fluorescent DNAs printed on paper: sensing food spoilage and ripening in the vapor phase. <i>Chemical Science</i> , 2012, 3, 2542.	7.4	44
12	Quantitative Assessment of Affinity Selection Performance by Using DNA-Encoded Chemical Libraries. <i>ChemBioChem</i> , 2019, 20, 955-962.	2.6	38
13	Spectroscopic properties of pyrene-containing DNA mimics. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 27-33.	3.0	34
14	DNA-Compatible Diazo-Transfer Reaction in Aqueous Media Suitable for DNA-Encoded Chemical Library Synthesis. <i>Organic Letters</i> , 2019, 21, 9555-9558.	4.6	33
15	DNA polyfluorophores as highly diverse chemosensors of toxic gases. <i>Chemical Science</i> , 2011, 2, 1910.	7.4	31
16	Critical Evaluation of Photo-cross-linking Parameters for the Implementation of Efficient DNA-Encoded Chemical Library Selections. <i>ACS Combinatorial Science</i> , 2020, 22, 204-212.	3.8	28
17	Differentiating a Diverse Range of Volatile Organic Compounds with Polyfluorophore Sensors Built on a DNA Scaffold. <i>Chemistry - A European Journal</i> , 2011, 17, 174-183.	3.3	26
18	Cap-and-Catch-Purification for Enhancing the Quality of Libraries of DNA Conjugates. <i>ACS Combinatorial Science</i> , 2015, 17, 393-398.	3.8	25

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19	Fluorescent DNA chemosensors: identification of bacterial species by their volatile metabolites. <i>Chemical Communications</i> , 2011, 47, 11435.	4.1	21
20	Affinity Selections of DNA-Encoded Chemical Libraries on Carbonic Anhydrase IX-Expressing Tumor Cells Reveal a Dependence on Ligand Valence. <i>Chemistry - A European Journal</i> , 2021, 27, 8985-8993.	3.3	19
21	Photophysical characterization of oligopyrene modules for DNA-based nanosystems. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1448.	2.9	18
22	Supramolecular polymerization of oligopyrenotides – stereochemical control by single, natural nucleotides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4891.	2.8	13
23	Binding of Europium(III) to a Non-Nucleosidic Phenanthroline Linker in DNA. <i>Bioconjugate Chemistry</i> , 2010, 21, 476-482.	3.6	12
24	On-DNA hit validation methodologies for ligands identified from DNA-encoded chemical libraries. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 235-240.	2.1	10
25	Small targeted cytotoxics from DNA-encoded chemical libraries. <i>Current Opinion in Chemical Biology</i> , 2015, 26, 72-79.	6.1	5
26	Identification and Validation of New Interleukin-2 Ligands Using DNA-Encoded Libraries. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17496-17510.	6.4	5