# Alexander L Satz

List of Publications by Year
in descending order



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|---|---|---|---|
| 25 papers | 1,425 citations | 471509 17 h-index | 580821 25 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 1059 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Design, synthesis and selection of DNA-encoded small-molecule libraries. Nature Chemical Biology, 2009, 5, 647-654. | 8.0 | 554 |
| 2 | DNA-Encoded Library-Derived DDR1 Inhibitor Prevents Fibrosis and Renal Function Loss in a Genetic Mouse Model of Alport Syndrome. ACS Chemical Biology, 2019, 14, 37-49. | 3.4 | 84 |
| 3 | DNA-encoded chemical libraries. Nature Reviews Methods Primers, 2022, 2, . | 21.2 | 75 |
| 4 | Discovery, SAR, and X-ray Binding Mode Study of BCATm Inhibitors from a Novel DNA-Encoded Library. ACS Medicinal Chemistry Letters, 2015, 6, 919-924. | 2.8 | 69 |
| 5 | DNA Encoded Library Selections and Insights Provided by Computational Simulations. ACS Chemical Biology, 2015, 10, 2237-2245. | 3.4 | 64 |
| 6 | Analysis of Current DNA Encoded Library Screening Data Indicates Higher False Negative Rates for Numerically Larger Libraries. ACS Combinatorial Science, 2017, 19, 234-238. | 3.8 | 58 |
| 7 | Simulated Screens of DNA Encoded Libraries: The Potential Influence of Chemical Synthesis Fidelity on Interpretation of Structureâ€“Activity Relationships. ACS Combinatorial Science, 2016, 18, 415-424. | 3.8 | 57 |
| 8 | What Do You Get from DNA-Encoded Libraries?. ACS Medicinal Chemistry Letters, 2018, 9, 408-410. | 2.8 | 56 |
| 9 | Activity-Based DNA-Encoded Library Screening. ACS Combinatorial Science, 2019, 21, 425-435. | 3.8 | 56 |
| 10 | Analysis of the productivity of DNA encoded libraries. MedChemComm, 2016, 7, 1323-1331. | 3.4 | 50 |
| 11 | Development of DNA-Compatible Van Leusen Three-Component Imidazole Synthesis. Organic Letters, 2019, 21, 9001-9004. | 4.6 | 43 |
| 12 | Discovery and Characterization of a Class of Pyrazole Inhibitors of Bacterial Undecaprenyl Pyrophosphate Synthase. Journal of Medicinal Chemistry, 2016, 59, 7299-7304. | 6.4 | 31 |
| 13 | Discovery of a Highly Selective BET BD2 Inhibitor from a DNA-Encoded Library Technology Screening Hit. Journal of Medicinal Chemistry, 2021, 64, 10806-10833. | 6.4 | 31 |
| 14 | Off-DNA DNA-Encoded Library Affinity Screening. ACS Combinatorial Science, 2020, 22, 25-34. | 3.8 | 30 |
| 15 | Synthesis of 1,2-Amino Alcohols by Photoredox-Mediated Decarboxylative Coupling of Î±-Amino Acids and DNA-Conjugated Carbonyls. Organic Letters, 2020, 22, 9484-9489. | 4.6 | 30 |
| 16 | Copper-Mediated DNA-Compatible One-Pot Click Reactions of Alkynes with Aryl Borates and TMS-N<sub>3</sub>. Organic Letters, 2020, 22, 4146-4150. | 4.6 | 24 |
| 17 | Discovery of SARS-CoV-2 main protease covalent inhibitors from a DNA-encoded library selection. SLAS Discovery, 2022, 27, 79-85. | 2.7 | 19 |
| 18 | Triaging of DNA-Encoded Library Selection Results by High-Throughput Resynthesis of DNAâ€“Conjugate and Affinity Selection Mass Spectrometry. Bioconjugate Chemistry, 2021, 32, 1001-1007. | 3.6 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High-Throughput Solid-Phase Building Block Synthesis for DNA-Encoded Libraries. Organic Letters, 2019, 21, 9353-9357. | 4.6 | 15 |
| 20 | Selections and screenings of DNA-encoded chemical libraries against enzyme and cellular targets. Bioorganic and Medicinal Chemistry Letters, 2021, 39, 127851. | 2.2 | 15 |
| 21 | Palladium-mediated Suzuki-Miyaura Cross-Coupling Reaction of Potassium Boc-protected aminomethyltrifluoroborate with DNA-Conjugated aryl bromides for DNA-Encoded chemical library synthesis. Biochemical and Biophysical Research Communications, 2020, 533, 209-214. | 2.1 | 14 |
| 22 | Solution-Phase DNA-Compatible Pictet-Spengler Reaction Aided by Machine Learning Building Block Filtering. IScience, 2020, 23, 101142. | 4.1 | 13 |
| 23 | DNA-Compatible Copper-Catalyzed Oxidative Amidation of Aldehydes with Non-Nucleophilic Arylamines. Bioconjugate Chemistry, 2020, 31, 2092-2097. | 3.6 | 8 |
| 24 | A Multifaceted Hit-Finding Approach Reveals Novel LC3 Family Ligands. Biochemistry, 2023, 62, 633-644. | 2.5 | 8 |
| 25 | DNAâ€Compatible Click Reaction Employing In Situ Generated Azides from Boronic Acids. Current Protocols, 2021, 1, e125. | 2.9 | 4 |