Xiaojie Lu

List of Publications by Year in descending order

22 papers	659 citations	623734 14 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	368 citing authors

#	Article	IF	Citations
1	DNA-encoded chemical libraries. Nature Reviews Methods Primers, 2022, 2, .	21.2	75
2	Ruthenium Promoted On-DNA Ring-Closing Metathesis and Cross-Metathesis. Bioconjugate Chemistry, 2017, 28, 1625-1629.	3.6	67
3	Ruthenium-Promoted Câ€“H Activation Reactions between DNA-Conjugated Acrylamide and Aromatic Acids. Organic Letters, 2018, 20, 4764-4768.	4.6	67
4	On-DNA Pd and Cu promoted Câ€“N cross-coupling reactions. MedChemComm, 2017, 8, 1614-1617.	3.4	63
5	Application of Biocatalysis to onâ€ÐNA Carbohydrate Library Synthesis. ChemBioChem, 2017, 18, 858-863.	2.6	60
6	Palladium-Promoted DNA-Compatible Heck Reaction. Organic Letters, 2019, 21, 719-723.	4.6	51
7	Streamlined construction of peptide macrocycles via palladium-catalyzed intramolecular S-arylation in solution and on DNA. Chemical Science, 2021, 12, 5804-5810.	7.4	41
8	Inverse-Electron-Demand Dielsâ€“Alder Reactions for the Synthesis of Pyridazines on DNA. Organic Letters, 2018, 20, 7186-7191.	4.6	40
9	Diversified strategy for the synthesis of DNA-encoded oxindole libraries. Chemical Science, 2021, 12, 2841-2847.	7.4	32
10	Synthetic Studies toward DNA-Encoded Heterocycles Based on the On-DNA Formation of Î±,Î²-Unsaturated Ketones. Organic Letters, 2021, 23, 908-913.	4.6	30
11	On-DNA Cross-Dehydrogenative Coupling Reaction toward the Synthesis of Focused DNA-Encoded Tetrahydroisoquinoline Libraries. Organic Letters, 2020, 22, 5721-5725.	4.6	25
12	Enhancing the Potential of Miniature-Scale DNA-Compatible Radical Reactions via an Electron Donorâ€“Acceptor Complex and a Reversible Adsorption to Solid Support Strategy. Organic Letters, 2021, 23, 7381-7385.	4.6	18
13	Construction of Thiazole-Fused Dihydropyrans via Formal [4 + 2] Cycloaddition Reaction on DNA. Organic Letters, 2020, 22, 3239-3244.	4.6	17
14	DNA-encoded C H functionality via photoredox-mediated hydrogen atom transformation catalysis. Bioorganic and Medicinal Chemistry, 2021, 42, 116234.	3.0	15
15	DNA-Encoded Library Hit Confirmation: Bridging the Gap Between On-DNA and Off-DNA Chemistry. ACS Medicinal Chemistry Letters, 2021, 12, 1166-1172.	2.8	14
16	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
17	Solution-Phase DNA-Compatible Pictet-Spengler Reaction Aided by Machine Learning Building Block Filtering. IScience, 2020, 23, 101142.	4.1	13
18	Divergent On-DNA Transformations from DNA-Linked Piperidones. Journal of Organic Chemistry, 2022, 87, 1971-1976.	3.2	4

#	Article	IF	Citations
19	Application of <scp>l</scp>-Threonine Aldolase to on-DNA Reactions. Bioconjugate Chemistry, 2021, 32, 1973-1978.	3.6	4
20	A General Set of DNA-Compatible Reactions for Preparing DNA-Tagged Multisubstituted Pyrroles. Bioconjugate Chemistry, 2021, 32, 2290-2294.	3.6	3
21	DNA-encoded focused indazole library synthesis by a palladium-mediated C N(sp2) cross-coupling reaction between DNA-linked (hetero)aryl halides and aromatic nitrogen heterocycles. Tetrahedron Letters, 2022, 96, 153732.	1.4	3
22	Constructing Head-to-Tail Cyclic Peptide DNA-Encoded Libraries Using Two-Directional Synthesis Strategy. Bioconjugate Chemistry, 2022, 33, 560-565.	3.6	3