

Jennifer X Qiao

List of Publications by Year in descending order

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63
papers

3,658
citations

147801
31
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138484
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docs citations

70
times ranked

3530
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Promoted Carbon-Heteroatom Bond Cross-Coupling with Boronic Acids and Derivatives. <i>Synthesis</i> , 2011, 2011, 829-856.	2.3	499
2	Ligand-accelerated non-directed C-H functionalization of arenes. <i>Nature</i> , 2017, 551, 489-493.	27.8	306
3	Decarboxylative alkylation for site-selective bioconjugation of native proteins via oxidation potentials. <i>Nature Chemistry</i> , 2018, 10, 205-211.	13.6	272
4	Formation of $\hat{\pm}$ -chiral centers by asymmetric \hat{I}^2 -C(sp ³) ³ C-H arylation, alkenylation, and alkynylation. <i>Science</i> , 2017, 355, 499-503.	12.6	169
5	Overcoming the Limitations of \hat{I}^3 - and \hat{I}^2 -C-H Arylation of Amines through Ligand Development. <i>Journal of the American Chemical Society</i> , 2018, 140, 17884-17894.	13.7	156
6	Palladium(II)-Catalyzed Site-Selective C(sp ³) ³ C-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10924-10927.	13.8	142
7	Pd ^{II} -Catalyzed Enantioselective C(sp ³) ³ C-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2134-2138.	13.8	124
8	Decarboxylative Peptide Macrocyclization through Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 728-732.	13.8	117
9	Ligand-Enabled \hat{I}^2 -C(sp ³) ³ C-H Olefination of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 10363-10367.	13.7	105
10	A General Amino Acid Synthesis Enabled by Innate Radical Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14560-14565.	13.8	97
11	Ni-electrocatalytic Csp ³ -Csp ³ doubly decarboxylative coupling. <i>Nature</i> , 2022, 606, 313-318.	27.8	96
12	A tautomeric ligand enables directed C-H hydroxylation with molecular oxygen. <i>Science</i> , 2021, 372, 1452-1457.	12.6	84
13	Site-Selective Functionalization of Methionine Residues via Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 21260-21266.	13.7	82
14	Pd-Catalyzed \hat{I}^3 -C(sp ³) ³ C-H Fluorination of Free Amines. <i>Journal of the American Chemical Society</i> , 2020, 142, 9966-9974.	13.7	76
15	Site-selective tyrosine bioconjugation via photoredox catalysis for native-to-bioorthogonal protein transformation. <i>Nature Chemistry</i> , 2021, 13, 902-908.	13.6	74
16	<i>meta</i> -C-H Arylation of Electron-Rich Arenes: Reversing the Conventional Site Selectivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 14870-14877.	13.7	70
17	Ligand-controlled divergent dehydrogenative reactions of carboxylic acids via C-H activation. <i>Science</i> , 2021, 374, 1281-1285.	12.6	64
18	Conformationally Constrained <i>ortho</i> -Anilino Diaryl Ureas: Discovery of 1-(2-(1-Neopentylspiro[indoline-3,4-piperidine]-1-yl)phenyl)-3-(4-(trifluoromethoxy)phenyl)urea, a Potent, Selective, and Bioavailable P2Y ₁ Antagonist. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9275-9295.	6.4	60

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19	Palladium(II)-Catalyzed Site-Selective C(sp ³)-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. <i>Angewandte Chemie</i> , 2017, 129, 11064-11067.	2.0	52
20	Iridium(I)-Catalyzed $\hat{\text{I}}^{\pm}$ -C(sp ³)-H Alkylation of Saturated Azacycles. <i>Journal of the American Chemical Society</i> , 2020, 142, 5117-5125.	13.7	52
21	5-Amidinobenzo[b]thiophenes as dual inhibitors of factors IXa and Xa. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 29-35.	2.2	50
22	<i>meta</i> -Selective C [^] H Arylation of Fluoroarenes and Simple Arenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13831-13835.	13.8	50
23	Achieving structural diversity using the perpendicular conformation of alpha-substituted phenylcyclopropanes to mimic the bioactive conformation of ortho-substituted biphenyl P4 moieties: Discovery of novel, highly potent inhibitors of Factor Xa. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4118-4123.	2.2	49
24	AlMe ₃ -Promoted Formation of Amides from Acids and Amines. <i>Organic Letters</i> , 2012, 14, 214-217.	4.6	43
25	Transient Directing Group Enabled Pd-Catalyzed $\hat{\text{I}}^{\pm}$ -C(sp ³)-H Oxygenation of Alkyl Amines. <i>ACS Catalysis</i> , 2020, 10, 5657-5662.	11.2	41
26	Transformation of Anionically Activated Trifluoromethyl Groups to Heterocycles under Mild Aqueous Conditions. <i>Organic Letters</i> , 2011, 13, 1804-1807.	4.6	39
27	Discovery of 4-Aryl-7-Hydroxyindoline-Based P2Y ₁ Antagonists as Novel Antiplatelet Agents. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 6150-6164.	6.4	38
28	Ligand-Enabled Pd(II)-Catalyzed C(sp ³)-H Lactonization Using Molecular Oxygen as Oxidant. <i>Organic Letters</i> , 2020, 22, 3960-3963.	4.6	38
29	2-Arylbenzoxazoles as novel cholesteryl ester transfer protein inhibitors: Optimization via array synthesis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2640-2644.	2.2	37
30	Pd(II)-Catalyzed Enantioselective C(sp ³)-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie</i> , 2018, 131, 2156.	2.0	34
31	One-Step Synthesis of $\hat{\text{I}}^2$ -Alkylidene- $\hat{\text{I}}^3$ -lactones via Ligand-Enabled $\hat{\text{I}}^2, \hat{\text{I}}^3$ -Dehydrogenation of Aliphatic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 12924-12933.	13.7	34
32	5-Amidinoindoles as dual inhibitors of coagulation factors IXa and Xa. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5269-5273.	2.2	33
33	CITU: A Peptide and Decarboxylative Coupling Reagent. <i>Organic Letters</i> , 2017, 19, 6196-6199.	4.6	31
34	SAR and X-ray structures of enantiopure 1,2-cis-(1R,2S)-cyclopentylidiamine and cyclohexylidiamine derivatives as inhibitors of coagulation Factor Xa. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4419-4427.	2.2	28
35	A General Amino Acid Synthesis Enabled by Innate Radical Cross-Coupling. <i>Angewandte Chemie</i> , 2018, 130, 14768-14773.	2.0	25
36	Diphenylpyridylethanamine (DPPE) Derivatives as Cholesteryl Ester Transfer Protein (CETP) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6162-6175.	6.4	24

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37	Ligand Enabled Pd(II)-Catalyzed ^{13}C (sp^3) ^1H Lactamization of Native Amides. <i>Journal of the American Chemical Society</i> , 2021, 143, 21657-21666.	13.7	23
38	A practical synthesis of aryl tetrafluoroethyl ethers via the improved reaction of phenols with 1,2-dibromotetrafluoroethane. <i>Tetrahedron Letters</i> , 2007, 48, 7516-7519.	1.4	22
39	Pyrazole-based factor Xa inhibitors containing N-arylpiperidinyl P4 residues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1432-1437.	2.2	19
40	Identification of 1-[2-[4-chloro-(2,2-dimethylpropyl)-7-hydroxy-1,2-dihydrospiro[indole-3,4-piperidine]-1-yl]phenyl]-3-[5-chloro-[1,3]thiazolo[5,4-c]pyridin-2-yl]propan-1-amine as a potent, efficacious and orally bioavailable P2Y1 antagonist as an antiplatelet agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1294-1298.	2.2	19
41	Discovery of diarylurea P2Y1 antagonists with improved aqueous solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3239-3243.	2.2	18
42	Highly efficacious factor Xa inhibitors containing β -substituted phenylcycloalkyl P4 moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 462-468.	2.2	16
43	The emergence of factor Xa inhibitors for the treatment of cardiovascular diseases: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2012, 22, 645-661.	5.0	16
44	Synthesis of tertiary carbinamines. <i>Tetrahedron</i> , 2012, 68, 2696-2703.	1.9	16
45	Enantiopure five-membered cyclic diamine derivatives as potent and selective inhibitors of factor Xa. Improving in vitro metabolic stability via core modifications. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5041-5048.	2.2	15
46	Oral Delivery of Highly Lipophilic, Poorly Water-Soluble Drugs: Self-Emulsifying Drug Delivery Systems to Improve Oral Absorption and Enable High-Dose Toxicology Studies of a Cholesteryl Ester Transfer Protein Inhibitor in Preclinical Species. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1352-1360.	3.3	14
47	Leveraging a "Catch-Release" Logic Gate Process for the Synthesis and Nonchromatographic Purification of Thioether- or Amine-Bridged Macrocyclic Peptides. <i>Journal of Organic Chemistry</i> , 2018, 83, 4323-4335.	3.2	13
48	meta-Selective C^{H} Arylation of Fluoroarenes and Simple Arenes. <i>Angewandte Chemie</i> , 2020, 132, 13935-13939.	2.0	13
49	4-Benzothiazole-7-hydroxyindolinyl Diaryl Ureas Are Potent P2Y ₁ Antagonists with Favorable Pharmacokinetics: Low Clearance and Small Volume of Distribution. <i>ChemMedChem</i> , 2014, 9, 2327-2343.	3.2	12
50	meta-Selective C^{H} Arylation of Electron-Deficient Thiophenes, Pyrroles, and Furans. <i>Israel Journal of Chemistry</i> , 2020, 60, 416-418.	2.3	12
51	Ligand-Enabled ^{13}C (sp^3) ^1H Lactamization of Tosyl-Protected Aliphatic Amides Using a Practical Oxidant. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
52	Triphenylethanamine Derivatives as Cholesteryl Ester Transfer Protein Inhibitors: Discovery of N-(1-(3-cyclopropoxy-4-fluorophenyl)-1-[3-fluoro-5-(1,1,2,2-tetrafluoroethoxy)phenyl]-2-phenylethyl)-4-fluoro-3-(trifluoromethyl)benzamide (BMS-795311). <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9010-9026.	1.4	12
53	Microwave-assisted transamidation of ureas. <i>Tetrahedron Letters</i> , 2016, 57, 1941-1943.	1.4	11
54	Potent P2Y1 urea antagonists bearing various cyclic amine scaffolds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6825-6828.	2.2	10

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55	2-Amino-1,3,4-thiadiazoles in the 7-hydroxy-N-neopentyl spiropiperidine indolyl series as potent P2Y1 receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2481-2485.	2.2	10
56	Orally bioavailable factor Xa inhibitors containing alpha-substituted gem-dimethyl P4 moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3341-3345.	2.2	9
57	Synthesis of Fmoc-Protected Arylphenylalanines (Bip Derivatives) via Nonaqueous Suzuki-Miyaura Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2016, 81, 9499-9506.	3.2	7
58	Preparation of Monofluorophenols via the Reaction of Difluorobenzene Derivatives with Potassium Trimethylsilanoate. <i>Synlett</i> , 2009, 2009, 633-637.	1.8	5
59	Discovery and synthesis of tetrahydropyrimidinedione-4-carboxamides as endothelial lipase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3721-3725.	2.2	3
60	Identification of substituted benzothiazole sulfones as potent and selective inhibitors of endothelial lipase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1918-1921.	2.2	2
61	Ligand-Enabled ^{13}C α -H Lactamization of Tosyl-Protected Aliphatic Amides Using a Practical Oxidant. <i>Angewandte Chemie</i> , 0, , .	2.0	2
62	5-Amidinoindoles as Dual Inhibitors of Coagulation Factors IXa and Xa.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
63	Discovery of a Lead Triphenylethylamine Cholesterol Ester Transfer Protein (CETP) Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 911-916.	2.8	0