Hai-Chao Xu

List of Publications by Year
in descending order

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Version: 2024-02-01

109 papers	7,318 citations	50276 46 h-index	58581 82 g-index
130 all docs	130 docs citations	130 times ranked	2696 citing authors

#	Article	IF	Citations
1	7 Electrochemically Generated Nitrogen-Centered Radicals. , 2022, , .		1
2	Twoâ€Dimensional Metalâ€“Organic Framework Nanosheets: Synthesis and Applications in Electrocatalysis and Photocatalysis. ChemSusChem, 2022, 15, .	6.8	33
3	Organoelectrocatalysis Enables Direct Cyclopropanation of Methylene Compounds. Journal of the American Chemical Society, 2022, 144, 2343-2350.	13.7	43
4	Electrocatalytic Allylic Cî”H Alkylation Enabled by a Dualâ€Function Cobalt Catalyst**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	40
5	Electrocatalytic Allylic Cî”H Alkylation Enabled by a Dualâ€Function Cobalt Catalyst**. Angewandte Chemie, 2022, 134, .	2.0	10
6	Alternating Current Promoted Radical-Radical Cross Coupling. Chinese Journal of Organic Chemistry, 2022, 42, 650.	1.3	0
7	Electrochemical dehydrogenative Nâ€“H/Nâ€“H coupling reactions. Current Opinion in Electrochemistry, 2022, 34, 100988.	4.8	12
8	Cu-Electrocatalytic Diazidation of Alkenes at ppm Catalyst Loading. Journal of the American Chemical Society, 2022, 144, 11980-11985.	13.7	49
9	Electrochemical aromatic Câ€“H hydroxylation in continuous flow. Nature Communications, 2022, 13, .	12.8	23
10	Siteâ€Selective Electrochemical Benzylic Cî”H Amination. Angewandte Chemie - International Edition, 2021, 60, 2943-2947.	13.8	123
11	Siteâ€Selective Electrochemical Benzylic Cî”H Amination. Angewandte Chemie, 2021, 133, 2979-2983.	2.0	81
12	Câ€“H Alkylation of Heteroarenes with Alkyl Oxalates by Molecular Photoelectrocatalysis. Synlett, 2021, 32, 369-372.	1.8	26
13	Electrochemical Synthesis of Benzimidazoles via Dehydrogenative Cyclization of Amidines. ChemSusChem, 2021, 14, 1692-1695.	6.8	18
14	Synthesis of Acridinium Photocatalysts via Site-Selective Câ€“H Alkylation. CCS Chemistry, 2021, 3, 317-325.	7.8	37
15	Electrochemically Driven Radical Reactions: From Direct Electrolysis to Molecular Catalysis. Chemical Record, 2021, 21, 2306-2319.	5.8	57
16	Electrochemical generation of nitrogen-centered radicals for organic synthesis. Green Synthesis and Catalysis, 2021, 2, 165-178.	6.8	130
17	Integrating Continuous-Flow Electrochemistry and Photochemistry for the Synthesis of Acridinium Photocatalysts Via Site-Selective Câ€“H Alkylation. Organic Process Research and Development, 2021, 25, 2608-2613.	2.7	17
18	Electrophotocatalytic Cî”H Azolation of Arenes. ChemElectroChem, 2021, 8, 1571-1573.	3.4	38

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19	Catalystâ€•and Reagentâ€Free Formal Azaâ€Wacker Cyclizations Enabled by Continuousâ€Flow Electrochemistry. Angewandte Chemie - International Edition, 2021, 60, 11237-11241.	13.8	47
20	Catalystâ€•and Reagentâ€Free Formal Azaâ€Wacker Cyclizations Enabled by Continuousâ€Flow Electrochemistry. Angewandte Chemie, 2021, 133, 11337-11341.	2.0	2
21	Tailored cobalt-salen complexes enable electrocatalytic intramolecular allylic Câ€“H functionalizations. Nature Communications, 2021, 12, 3745.	12.8	44
22	Electrocatalytic Dehydrogenative Cyclization of 2-Vinylanilides for the Synthesis of Indoles. Journal of Organic Chemistry, 2021, 86, 16001-16007.	3.2	22
23	Recent advances in organic electrosynthesis employing transition metal complexes as electrocatalysts. Science Bulletin, 2021, 66, 2412-2429.	9.0	183
24	Discovery of a tetraarylhydrazine catalyst for electrocatalytic synthesis of imidazo-fused N-heteroaromatic compounds. Organic and Biomolecular Chemistry, 2021, 19, 8789-8793.	2.8	8
25	Electrocatalytic C(sp³)â€“H/C(sp)â€“H cross-coupling in continuous flow through TEMPO/copper relay catalysis. Beilstein Journal of Organic Chemistry, 2021, 17, 2650-2656.	2.2	6
26	Electrochemistry in Synthetic Organic Chemistry. Journal of Organic Chemistry, 2021, 86, 15845-15846.	3.2	14
27	Electrochemical Câ€“H phosphorylation of arenes in continuous flow suitable for late-stage functionalization. Nature Communications, 2021, 12, 6629.	12.8	38
28	Electrochemically Enabled Intramolecular Aminooxygenation of Alkynes via Amidyl Radical Cyclization. Chinese Journal of Chemistry, 2020, 38, 394-398.	4.9	37
29	Site-selective electrooxidation of methylarenes to aromatic acetals. Nature Communications, 2020, 11, 2706.	12.8	61
30	Scalable Photoelectrochemical Dehydrogenative Crossâ€Coupling of Heteroarenes with Aliphatic Câˆ’H Bonds. Angewandte Chemie - International Edition, 2020, 59, 14275-14280.	13.8	179
31	Scalable Photoelectrochemical Dehydrogenative Crossâ€Coupling of Heteroarenes with Aliphatic Câˆ’H Bonds. Angewandte Chemie, 2020, 132, 14381-14386.	2.0	28
32	Electrophotocatalytic Decarboxylative Câˆ’H Functionalization of Heteroarenes. Angewandte Chemie - International Edition, 2020, 59, 10626-10632.	13.8	161
33	Electrophotocatalytic Decarboxylative Câˆ’H Functionalization of Heteroarenes. Angewandte Chemie, 2020, 132, 10713-10719.	2.0	30
34	Electrode Materials Tune Product Selectivity. Chinese Journal of Organic Chemistry, 2020, 40, 2592.	1.3	6
35	Innentitelbild: De Novo Synthesis of Highly Functionalized Benzimidazolones and Benzoxazolones through an Electrochemical Dehydrogenative Cyclization Cascade (Angew. Chem. 27/2019). Angewandte Chemie, 2019, 131, 9042-9042.	2.0	0
36	Scalable Rhodium(III)â€Catalyzed Aryl Câˆ’H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination. Angewandte Chemie, 2019, 131, 16926-16930.	2.0	35

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37	InnenrÃ¼cktitelbild: Scalable Rhodium(III)â€Catalyzed Aryl Câˆ’H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination (Angew. Chem. 47/2019). Angewandte Chemie, 2019, 131, 17239-17239.	2.0	0
38	Practical and stereoselective electrocatalytic 1,2-diamination of alkenes. Nature Communications, 2019, 10, 4953.	12.8	100
39	Scalable Rhodium(III)â€Catalyzed Aryl Câˆ’H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination. Angewandte Chemie - International Edition, 2019, 58, 16770-16774.	13.8	111
40	Synthesis of 1,3-benzothiazines by intramolecular dehydrogenative Câ€“S cross-coupling in a flow electrolysis cell. Science China Chemistry, 2019, 62, 1501-1503.	8.2	16
41	Photoelectrochemical Câˆ’H Alkylation of Heteroarenes with Organotrifluoroborates. Angewandte Chemie, 2019, 131, 4640-4643.	2.0	63
42	Electrochemical Fluoroalkynylation of Aryl Alkenes with Fluoride Ions and Alkynyltrifluoroborate Salts. Asian Journal of Organic Chemistry, 2019, 8, 658-660.	2.7	32
43	Electrochemical Synthesis of [1,2,3]Triazolo[1,5â€a]pyridines through Dehydrogenative Cyclization. ChemElectroChem, 2019, 6, 4177-4179.	3.4	24
44	Electrochemical Difluoromethylation of Electronâ€Deficient Alkenes. ChemSusChem, 2019, 12, 3060-3063.	6.8	48
45	De Novo Synthesis of Highly Functionalized Benzimidazolones and Benzoxazolones through an Electrochemical Dehydrogenative Cyclization Cascade. Angewandte Chemie, 2019, 131, 9115-9119.	2.0	14
46	De Novo Synthesis of Highly Functionalized Benzimidazolones and Benzoxazolones through an Electrochemical Dehydrogenative Cyclization Cascade. Angewandte Chemie - International Edition, 2019, 58, 9017-9021.	13.8	65
47	Synthesis of Heterocycles from Thioamides. , 2019, , 127-155.		1
48	Electrochemical Deoxygenation of N-Heteroaromatic N-Oxides. Synlett, 2019, 30, 1219-1221.	1.8	13
49	Twoâ€Dimensional Metalâ€Organic Layers for Electrochemical Acceptorless Dehydrogenation of Nâ€Heterocycles. Chemistry - an Asian Journal, 2019, 14, 3557-3560.	3.3	19
50	RÃ¼cktitelbild: Photoelectrochemical Câˆ’H Alkylation of Heteroarenes with Organotrifluoroborates (Angew. Chem. 14/2019). Angewandte Chemie, 2019, 131, 4794-4794.	2.0	0
51	Continuousâ€Flow Electrosynthesis of Benzofused Sâ€Heterocycles by Dehydrogenative Câˆ’S Crossâ€Coupling. Angewandte Chemie - International Edition, 2019, 58, 6650-6653.	13.8	89
52	A diastereoselective approach to axially chiral biaryls via electrochemically enabled cyclization cascade. Beilstein Journal of Organic Chemistry, 2019, 15, 795-800.	2.2	12
53	Continuousâ€Flow Electrosynthesis of Benzofused Sâ€Heterocycles by Dehydrogenative Câˆ’S Crossâ€Coupling. Angewandte Chemie, 2019, 131, 6722-6725.	2.0	15
54	Chemistry with Electrochemically Generated N-Centered Radicals. Accounts of Chemical Research, 2019, 52, 3339-3350.	15.6	679

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55	Photoelectrochemical Câ”H Alkylation of Heteroarenes with Organotrifluoroborates. Angewandte Chemie - International Edition, 2019, 58, 4592-4595.	13.8	204
56	Modular Synthesis of Functionalized 4-Quinolones via a Radical Cyclization Cascade Reaction. Acta Chimica Sinica, 2019, 77, 879.	1.4	11
57	Electrochemical Synthesis of Tetrasubstituted Hydrazines by Dehydrogenative N-N Bond Formation. Chinese Journal of Organic Chemistry, 2019, 39, 1424.	1.3	34
58	Ruthenium-Catalyzed Electrochemical Dehydrogenative Alkyne Annulation. ACS Catalysis, 2018, 8, 3820-3824.	11.2	187
59	Electrochemical dehydrogenative cyclization of 1,3-dicarbonyl compounds. Chemical Communications, 2018, 54, 4601-4604.	4.1	86
60	Electrochemical Difluoromethylarylation of Alkynes. Journal of the American Chemical Society, 2018, 140, 2460-2464.	13.7	215
61	Electrochemical Synthesis of Imidazoâ€Fused Nâ€Heteroaromatic Compounds through a Câ”N Bondâ€Forming Radical Cascade. Angewandte Chemie, 2018, 130, 1652-1655.	2.0	41
62	Electrochemical Synthesis of Imidazoâ€Fused Nâ€Heteroaromatic Compounds through a Câ”N Bondâ€Forming Radical Cascade. Angewandte Chemie - International Edition, 2018, 57, 1636-1639.	13.8	155
63	RÃ¼cktitelbild: Electrochemical Synthesis of Imidazoâ€Fused Nâ€Heteroaromatic Compounds through a Câ”N Bondâ€Forming Radical Cascade (Angew. Chem. 6/2018). Angewandte Chemie, 2018, 130, 1738-1738.	2.0	1
64	Catalystâ€•and Supportingâ€Electrolyteâ€Free Electrosynthesis of Benzothiazoles and Thiazolopyridines in Continuous Flow. Chemistry - A European Journal, 2018, 24, 487-491.	3.3	107
65	Two-Dimensional Metalâ€“Organic Layers on Carbon Nanotubes to Overcome Conductivity Constraint in Electrocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 36290-36296.	8.0	51
66	Electrochemical synthesis of 7-membered carbocycles through cascade 5-exo-trig/7-endo-trig radical cyclization. Organic Chemistry Frontiers, 2018, 5, 3129-3132.	4.5	40
67	Electrochemically Enabled Carbohydroxylation of Alkenes with H₂O and Organotrifluoroborates. Journal of the American Chemical Society, 2018, 140, 16387-16391.	13.7	127
68	Synthesis of Nâ€Heterocycles by Dehydrogenative Annulation of Nâ€Allyl Amides with 1,3â€Dicarbonyl Compounds. Angewandte Chemie - International Edition, 2018, 57, 14070-14074.	13.8	77
69	Dehydrogenative reagent-free annulation of alkenes with diols for the synthesis of saturated O-heterocycles. Nature Communications, 2018, 9, 3551.	12.8	117
70	Cathode Material Determines Product Selectivity for Electrochemical Câ”H Functionalization of Biaryl Ketoximes. Angewandte Chemie, 2018, 130, 15373-15376.	2.0	32
71	Cathode Material Determines Product Selectivity for Electrochemical Câ”H Functionalization of Biaryl Ketoximes. Angewandte Chemie - International Edition, 2018, 57, 15153-15156.	13.8	112
72	Synthesis of Nâ€Heterocycles by Dehydrogenative Annulation of Nâ€Allyl Amides with 1,3â€Dicarbonyl Compounds. Angewandte Chemie, 2018, 130, 14266-14270.	2.0	26

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73	Electrochemical Synthesis of (Aza)indolines via Dehydrogenative [3+2] Annulation: Application to Total Synthesis of (Â±)â€Hinckdentine A. Chinese Journal of Chemistry, 2018, 36, 909-915.	4.9	63
74	Metal- and Reagent-Free Intramolecular Oxidative Amination of Tri- and Tetrasubstituted Alkenes. Journal of the American Chemical Society, 2017, 139, 2956-2959.	13.7	194
75	Titelbild: Synthesis of C3â€Fluorinated Oxindoles through Reagentâ€Free Crossâ€Dehydrogenative Coupling (Angew. Chem. 17/2017). Angewandte Chemie, 2017, 129, 4703-4703.	2.0	1
76	Synthesis of C3â€Fluorinated Oxindoles through Reagentâ€Free Crossâ€Dehydrogenative Coupling. Angewandte Chemie - International Edition, 2017, 56, 4734-4738.	13.8	175
77	Synthesis of C3â€Fluorinated Oxindoles through Reagentâ€Free Crossâ€Dehydrogenative Coupling. Angewandte Chemie, 2017, 129, 4812-4816.	2.0	53
78	TEMPO-Catalyzed Electrochemical Câ€“H Thiolation: Synthesis of Benzothiazoles and Thiazolopyridines from Thioamides. ACS Catalysis, 2017, 7, 2730-2734.	11.2	178
79	Amidinyl Radical Formation through Anodic Nâˆ’H Bond Cleavage and Its Application in Aromatic Câˆ’H Bond Functionalization. Angewandte Chemie, 2017, 129, 602-605.	2.0	42
80	Amidinyl Radical Formation through Anodic Nâˆ’H Bond Cleavage and Its Application in Aromatic Câˆ’H Bond Functionalization. Angewandte Chemie - International Edition, 2017, 56, 587-590.	13.8	179
81	Reagentâ€Free Câˆ’H/Nâˆ’H Crossâ€Coupling: Regioselective Synthesis of Nâ€Heteroaromatics from Biaryl Aldehydes and NH₃. Angewandte Chemie, 2017, 129, 12906-12909.	2.0	34
82	Recent Progress on the Synthesis of (Aza)indoles through Oxidative Alkyne Annulation Reactions. Synlett, 2017, 28, 1867-1872.	1.8	72
83	Reagentâ€Free Câˆ’H/Nâˆ’H Crossâ€Coupling: Regioselective Synthesis of Nâ€Heteroaromatics from Biaryl Aldehydes and NH₃. Angewandte Chemie - International Edition, 2017, 56, 12732-12735.	13.8	132
84	Electrochemical Synthesis of Polycyclic N-Heteroaromatics through Cascade Radical Cyclization of Diynes. ACS Catalysis, 2017, 7, 5810-5813.	11.2	124
85	Synthesis of 4H-1,3-Benzoxazines via Metal- and Oxidizing Reagent-Free Aromatic Câ€“H Oxygenation. Organic Letters, 2017, 19, 6332-6335.	4.6	61
86	Electrochemical Câˆ’H/Nâˆ’H Functionalization for the Synthesis of Highly Functionalized (Aza)indoles. Angewandte Chemie, 2016, 128, 9314-9318.	2.0	56
87	Electrochemical Câˆ’H/Nâˆ’H Functionalization for the Synthesis of Highly Functionalized (Aza)indoles. Angewandte Chemie - International Edition, 2016, 55, 9168-9172.	13.8	215
88	A General CuCl₂â€Promoted Alkene Aminochlorination Reaction. European Journal of Organic Chemistry, 2016, 2016, 3449-3455.	2.4	22
89	Electrocatalytic Generation of Amidyl Radicals for Olefin Hydroamidation: Use of Solvent Effects to Enable Anilide Oxidation. Angewandte Chemie - International Edition, 2016, 55, 2226-2229.	13.8	214
90	Frontispiz: Electrochemical Câˆ’H/Nâˆ’H Functionalization for the Synthesis of Highly Functionalized (Aza)indoles. Angewandte Chemie, 2016, 128, .	2.0	0

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91	Frontispiece: Electrochemical Câ^'H/Nâ^'H Functionalization for the Synthesis of Highly Functionalized (Aza)indoles. Angewandte Chemie - International Edition, 2016, 55, .	13.8	2
92	Electrocatalytic Generation of Amidyl Radicals for Olefin Hydroamidation: Use of Solvent Effects to Enable Anilide Oxidation. Angewandte Chemie, 2016, 128, 2266-2269.	2.0	71
93	Copperâ€Catalyzed Intramolecular Oxidative Amination of Unactivated Internal Alkenes. Chemistry - A European Journal, 2016, 22, 4379-4383.	3.3	52
94	Electrocatalytic Generation of Amidyl Radicals for N-Heterocyle Synthesis. ECS Meeting Abstracts, 2016, , .	0.0	0
95	Electrochemical synthesis of polymer microgels. Polymer Chemistry, 2015, 6, 3979-3987.	3.9	8
96	Tetrafluorophenoxymethyl ketone cruzain inhibitors with improved pharmacokinetic properties as therapeutic leads for Chagasâ€™ disease. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4834-4837.	2.2	15
97	Cyclization Reactions of Anode-Generated Amidyl Radicals. Journal of Organic Chemistry, 2014, 79, 379-391.	3.2	100
98	Electrochemical Intramolecular Aminooxygenation of Unactivated Alkenes. Chemistry - A European Journal, 2014, 20, 12740-12744.	3.3	96
99	Asymmetric synthesis of amines using tert-butanesulfinamide. Nature Protocols, 2013, 8, 2271-2280.	12.0	42
100	Substrate-Based Fragment Identification for the Development of Selective, Nonpeptidic Inhibitors of Striatal-Enriched Protein Tyrosine Phosphatase. Journal of Medicinal Chemistry, 2013, 56, 7636-7650.	6.4	26
101	Anodic coupling of carboxylic acids to electron-rich double bonds: A surprising non-Kolbe pathway to lactones. Beilstein Journal of Organic Chemistry, 2013, 9, 1630-1636.	2.2	36
102	Investigating the Reactivity of Radical Cations: Experimental and Computational Insights into the Reactions of Radical Cations with Alcohol and p-Toluene Sulfonamide Nucleophiles. Journal of the American Chemical Society, 2012, 134, 18338-18344.	13.7	55
103	Intramolecular Anodic Olefin Coupling Reactions: Use of the Reaction Rate To Control Substrate/Product Selectivity. Angewandte Chemie - International Edition, 2010, 49, 8004-8007.	13.8	64
104	Intramolecular Anodic Olefin Coupling Reactions: Using Competition Studies to Probe the Mechanism of Oxidative Cyclization Reactions. Organic Letters, 2010, 12, 1720-1723.	4.6	20
105	Intramolecular Hydroamination of Dithioketene Acetals: An Easy Route To Cyclic Amino Acid Derivatives. Organic Letters, 2010, 12, 5174-5177.	4.6	11
106	Intramolecular Anodic Olefin Coupling Reactions and the Synthesis of Cyclic Amines. Journal of the American Chemical Society, 2010, 132, 2839-2844.	13.7	116
107	Anodic cyclization reactions and the synthesis of (â^)-crobarbatic acid. Tetrahedron Letters, 2008, 49, 3868-3871.	1.4	42
108	Intramolecular Anodic Olefin Coupling Reactions: The Use of a Nitrogen Trapping Group. Journal of the American Chemical Society, 2008, 130, 13542-13543.	13.7	134

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109	Diversity-Oriented Asymmetric Synthesis of Hapalosin:Â Construction of Three Small C9/C4/C3-Modified Hapalosin Analogue Libraries. ACS Combinatorial Science, 2007, 9, 386-394.	3.3	19