

# Yahu A Liu

## List of Publications by Year in descending order

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54  
papers

1,192  
citations

331670

21  
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414414

32  
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56  
all docs

56  
docs citations

56  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiazolo[5,4- <i>d</i> ]thiazole-Based Donor-Acceptor Covalent Organic Framework for Sunlight-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1869-1874.	13.8	186
2	A pillar[5]arene and crown ether fused bicyclic host: synthesis, guest discrimination and simultaneous binding of two guests with different shapes, sizes and electronic constitutions. <i>Chemical Communications</i> , 2014, 50, 10460-10463.	4.1	70
3	Nickel-Catalyzed Cyanation of Aryl Halides and Hydrocyanation of Alkynes via C-CN Bond Cleavage and Cyano Transfer. <i>ACS Catalysis</i> , 2020, 10, 1397-1405.	11.2	57
4	Highly effective electrosynthesis of hydrogen peroxide from oxygen on a redox-active cationic covalent triazine network. <i>Chemical Communications</i> , 2018, 54, 4433-4436.	4.1	55
5	Selective DYRK1A Inhibitor for the Treatment of Type 1 Diabetes: Discovery of 6-Azaindole Derivative GNF2133. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2958-2973.	6.4	49
6	A1/A2-Diamino-Substituted Pillar[5]arene-Based Acid-Base-Responsive Host-Guest System. <i>Journal of Organic Chemistry</i> , 2016, 81, 3877-3881.	3.2	45
7	Multicavity macrocyclic hosts. <i>Chemical Communications</i> , 2016, 52, 12130-12142.	4.1	45
8	Palladium-Catalyzed Cross-Coupling of Ethyl Bromodifluoroacetate with Aryl Bromides or Triflates and Cross-Coupling of Ethyl Bromodifluoroacetate with Aryl Iodides. <i>Organic Letters</i> , 2017, 19, 2610-2613.	4.6	42
9	A [2]rotaxane, constructed from a pillar[5]arene-crown ether fused double-cavity macrocycle: synthesis and structural characterization. <i>Chemical Communications</i> , 2015, 51, 13882-13885.	4.1	40
10	Transition-Metal-Free Synthesis of <i>N</i> -Hydroxy Oxindoles by an Aza-Nazarov-Type Reaction Involving Azaoxallyl Cations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13286-13289.	13.8	37
11	Recent Progress in Radical Decarboxylative Functionalizations Enabled by Transition-Metal (Ni, Cu, Fe, Ti) Complexes. <i>Chemical Communications</i> , 2021, 59, 7843-7854.	2.3	34
12	Negative Cooperativity in the Binding of Imidazolium and Viologen Ions to a Pillar[5]arene-Crown Ether Fused Host. <i>Organic Letters</i> , 2015, 17, 2940-2943.	4.6	33
13	Synthesis of Pillar[5]arenequinines via Partial Oxidation of Pillar[5]arene. <i>Chinese Journal of Chemistry</i> , 2015, 33, 379-383.	4.9	29
14	Guest-regulated chirality switching of planar chiral pseudo[1]catenanes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2028-2032.	2.8	27
15	Thiazolo[5,4- <i>d</i> ]thiazole-Based Donor-Acceptor Covalent Organic Framework for Sunlight-Driven Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 1897-1902.	2.0	27
16	Highly Branched Pillar[5]arene-Derived Porous Aromatic Frameworks (PAFs) for Removal of Organic Pollutants from Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 16507-16515.	8.0	27
17	[2]Pseudorotaxanes and [2]Catenanes Constructed by Oxalixcrowns/Viologen Molecular Recognition Motifs. <i>Organic Letters</i> , 2014, 16, 5894-5897.	4.6	26
18	Design of Thiazolo[5,4- <i>d</i> ]thiazole-Bridged Ionic Covalent Organic Polymer for Highly Selective Oxygen Reduction to H <sub>2</sub> O. <i>Chemistry of Materials</i> , 2020, 32, 8553-8560.	6.7	23

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19	Fluorescent Probes for the Detection of Hydrogen Peroxide in Biological Systems. <i>Current Organic Chemistry</i> , 2013, 17, 654-669.	1.6	22
20	A Trigonal Prismatic Ligand in the Metal-Mediated Self-Assembly of One- and Two-Dimensional Metallosupramolecular Polymers. <i>Inorganic Chemistry</i> , 2013, 52, 9309-9319.	4.0	21
21	Selectivity and Cooperativity in the Binding of Multiple Guests to a Pillar[5]arene-Crown Ether Fused Tricyclic Host. <i>Journal of Organic Chemistry</i> , 2015, 80, 7994-8000.	3.2	21
22	Direct synthesis of covalent triazine-based frameworks (CTFs) through aromatic nucleophilic substitution reactions. <i>RSC Advances</i> , 2019, 9, 18008-18012.	3.6	21
23	A Pillar[5]arene Conjugated Polymer for Removal of Low-Molecular-Weight Organic Acids, Amines, and Alcohols from Water. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5566-5573.	4.4	18
24	Engineering a pillar[5]arene-based supramolecular organic framework by a co-crystallization method. <i>Dalton Transactions</i> , 2018, 47, 5144-5148.	3.3	17
25	A Triazine-Based Analogue of Graphyne: Scalable Synthesis and Applications in Photocatalytic Dye Degradation and Bacterial Inactivation. <i>Chemistry - A European Journal</i> , 2020, 26, 2269-2275.	3.3	16
26	Pillar[5]arene-Py-Cu Gel, the First Pillar[5]arene-Based Metallo(organo)gel, and Adsorption of Sudan III by Its Gel-Precipitate. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3551-3554.	2.0	15
27	In situ generation of N-unsubstituted imines from alkyl azides and their applications for imine transfer via copper catalysis. <i>Science Advances</i> , 2017, 3, e1700826.	10.3	13
28	Recent Progress in Methylation of (Hetero)Arenes by Cross-Coupling or C-H Activation. <i>Synlett</i> , 2018, 29, 375-382.	1.8	13
29	Total Synthesis of (±)-Minfiensine via a Formal [3+2] Cycloaddition. <i>Journal of Natural Products</i> , 2018, 81, 1065-1069.	3.0	12
30	An alternative total synthesis of pentosidine. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 426-433.	2.6	11
31	1,8-Dioxyanthracene-Derived Crown Ethers: Synthesis, Complexation with Paraquat and Assembly of a Tetracationic Cyclophane-Crown Ether Based [2]Catenane. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6925-6934.	2.4	11
32	m-Terphenyl-3,3'-dioxo-derived oxacalixaromatics: synthesis, structure, and solvent encapsulation in the solid state. <i>Tetrahedron</i> , 2013, 69, 3934-3941.	1.9	10
33	A Shape-Persistent Cryptand for Capturing Polycyclic Aromatic Hydrocarbons. <i>Journal of Organic Chemistry</i> , 2016, 81, 5649-5654.	3.2	10
34	Bis- and mono(m-benzoic acid)-functionalized pillar[5]arenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4897-4900.	2.8	10
35	Discovery of 5-(3,4-Difluorophenyl)-3-(pyrazol-4-yl)-7-azaindole (GNF3809) for $\beta$ -Cell Survival in Type 1 Diabetes. <i>ACS Omega</i> , 2019, 4, 3571-3581.	3.5	10
36	Application of Electron-Rich Covalent Organic Frameworks COF@LU25 for Photocatalytic Aerobic Oxidative Hydroxylation of Arylboronic Acids to Phenols. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3986-3991.	2.4	10

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37	<i>ortho</i> -Functionalization of Pillar[5]arene: An Approach to Mono- <i>ortho</i> -Alkyl/Aryl-Substituted A1/A2-Dihydroxypillar[5]arene. <i>Organic Letters</i> , 2022, 24, 1822-1826.	4.6	10
38	A Dual Inhibitor of DYRK1A and GSK3 $\beta$ for $\beta$ -Cell Proliferation: Aminopyrazine Derivative GNF4877. <i>ChemMedChem</i> , 2020, 15, 1562-1570.	3.2	9
39	Transition-Metal-Free Synthesis of <i>N</i> -Hydroxy Oxindoles by an Aza-Nazarov-Type Reaction Involving Azaoxyallyl Cations. <i>Angewandte Chemie</i> , 2016, 128, 13480-13483.	2.0	8
40	A Diaminopillar[5]arene-Based Macrobicyclic Molecule: Synthesis, Characterization and a Lock-Key Story. <i>Chemistry - A European Journal</i> , 2019, 25, 2189-2194.	3.3	8
41	Efficient synthesis of 6-aryl-2-chloronicotinic acids via Pd catalyzed regioselective Suzuki coupling of 2,6-dichloronicotinic acid. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1847-1849.	2.6	7
42	Unidirectional complexation of pillar[4]arene[1]benzoquinoneoxime with alkyl alcohols. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4975-4978.	2.8	7
43	Pillar[5]arene-Derived <i>endo</i> -Functionalized Molecular Tube for Mimicking Protein-Ligand Interactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 6467-6477.	3.2	7
44	Xylyl derived oxacalixcrowns: Synthesis and crystal structure. <i>Chinese Chemical Letters</i> , 2013, 24, 279-282.	9.0	6
45	Complexations between Oxacalixcrowns and Secondary Ammonium Salts and Construction of an Oxacalixcrown-Based [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6270-6277.	2.4	5
46	Tetranitro-oxacalix[4]crown-Based Host-Guest Recognition Motif and a Related [2]Rotaxane-Based Molecular Switch. <i>Journal of Organic Chemistry</i> , 2016, 81, 6457-6462.	3.2	4
47	<i>s</i> -Tetrazine-Bridged Photochromic Aromatic Framework Material. <i>ACS Omega</i> , 2022, 7, 11276-11284.	3.5	2
48	Nickel-catalyzed enantioselective domino Heck/Sonogashira coupling for construction of C(sp)-C(sp <sup>2</sup> ) Tj ETQq0 0 0 rgBT /Ovrlock 10 T		
49	Synthesis and structures of malonate derivative-calix[4]arene conjugates. <i>Chinese Chemical Letters</i> , 2015, 26, 914-917.	9.0	1
50	A facile method for the synthesis of free-standing pillar[5]arene-based two-dimensional covalent organic monolayers in solution. <i>Supramolecular Chemistry</i> , 2020, 32, 126-132.	1.2	1
51	5-Hexylidene-4-propylamino-1,5-dihydroimidazol-2-one formed from Cu-catalyzed oxidation with implication for the structure of a His-Lys cross-link. <i>Chinese Chemical Letters</i> , 2007, 18, 1025-1028.	9.0	0
52	Editorial (Hot Topic: Molecular Imaging Probes). <i>Current Organic Chemistry</i> , 2013, 17, 563-563.	1.6	0
53	A Practical and Scalable Synthesis of GTx $\epsilon$ 134, an IGF $\beta$ 1R Inhibitor. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1430-1438.	2.6	0
54	Titelbild: Thiazolo[5,4- <i>cd</i> ]thiazole-Based Donor-Acceptor Covalent Organic Framework for Sunlight-Driven Hydrogen Evolution ( <i>Angew. Chem.</i> 4/2021). <i>Angewandte Chemie</i> , 2021, 133, 1685-1685.	2.0	0