

# Jean-Philip Lumb

## List of Publications by Year in descending order

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51  
papers

2,110  
citations

236925

25  
h-index

233421

45  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenol-Directed C-H Functionalization. ACS Catalysis, 2019, 9, 521-555.	11.2	167
2	Controlling the Catalytic Aerobic Oxidation of Phenols. Journal of the American Chemical Society, 2014, 136, 7662-7668.	13.7	163
3	ortho-Quinone Methides from para-Quinones: Total Synthesis of Rubioncolin B. Journal of the American Chemical Society, 2008, 130, 9230-9231.	13.7	121
4	A TEMPO-Free Copper-Catalyzed Aerobic Oxidation of Alcohols. Angewandte Chemie - International Edition, 2015, 54, 4208-4211.	13.8	115
5	An Atom-Economic Synthesis of Nitrogen Heterocycles from Alkynes. Journal of the American Chemical Society, 2011, 133, 740-743.	13.7	114
6	A Biomimetic Catalytic Aerobic Functionalization of Phenols. Angewandte Chemie - International Edition, 2014, 53, 5877-5881.	13.8	91
7	Biomimetic Synthesis and Structure Elucidation of Rubicordifolin, a Cytotoxic Natural Product from <i>Rubia cordifolia</i> . Journal of the American Chemical Society, 2005, 127, 2870-2871.	13.7	82
8	Pericyclic Reactions of Prenylated Naphthoquinones: Biomimetic Syntheses of Mollugin and Microphyllaquinone. Organic Letters, 2005, 7, 5865-5868.	4.6	74
9	Biomimetic synthesis of the IDO inhibitors exiguamine A and B. Nature Chemical Biology, 2008, 4, 535-537.	8.0	62
10	A Biomimetic Mechanism for the Copper-Catalyzed Aerobic Oxygenation of 4-tert-Butylphenol. Inorganic Chemistry, 2015, 54, 8665-8672.	4.0	61
11	Simple Copper Catalysts for the Aerobic Oxidation of Amines: Selectivity Control by the Counterion. Angewandte Chemie - International Edition, 2016, 55, 15802-15806.	13.8	59
12	A Catalyst-Controlled Aerobic Coupling of ortho-Quinones and Phenols Applied to the Synthesis of Aryl Ethers. Angewandte Chemie - International Edition, 2016, 55, 11543-11547.	13.8	56
13	A New Strategy for the Synthesis of Chiral $\beta$ -Alkynyl Esters via Sequential Palladium and Copper Catalysis. Journal of the American Chemical Society, 2011, 133, 8502-8505.	13.7	52
14	A Bio-Inspired Total Synthesis of Tetrahydrofuran Lignans. Angewandte Chemie - International Edition, 2015, 54, 2204-2208.	13.8	47
15	Recent Applications of Diazirines in Chemical Proteomics. Chemistry - A European Journal, 2019, 25, 4885-4898.	3.3	46
16	Second-Order Biomimicry: In Situ Oxidative Self-Processing Converts Copper(I)/Diamine Precursor into a Highly Active Aerobic Oxidation Catalyst. ACS Central Science, 2017, 3, 314-321.	11.3	43
17	Unified Synthesis of 1,2-Oxy-aminoarenes via a Bio-inspired Phenol-Amine Coupling. Chem, 2017, 2, 533-549.	11.7	43
18	Catalytic Aerobic Cross-Dehydrogenative Coupling of Phenols and Catechols. ACS Catalysis, 2019, 9, 3800-3810.	11.2	42

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19	A chlorine-free protocol for processing germanium. <i>Science Advances</i> , 2017, 3, e1700149.	10.3	41
20	A Bioinspired Catalytic Aerobic Functionalization of Phenols: Regioselective Construction of Aromatic C–N and C–O Bonds. <i>ACS Catalysis</i> , 2017, 7, 3477-3482.	11.2	35
21	Total Synthesis of Exiguamines A and B Inspired by Catecholamine Chemistry. <i>Chemistry - A European Journal</i> , 2012, 18, 4999-5005.	3.3	34
22	A bio-inspired synthesis of oxindoles by catalytic aerobic dual C–H functionalization of phenols. <i>Chemical Science</i> , 2016, 7, 358-369.	7.4	32
23	Selectivity in the Aerobic Dearomatization of Phenols: Total Synthesis of Dehydronornuciferine by Chemo- and Regioselective Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1514-1518.	13.8	27
24	A Bioinspired Synthesis of Polyfunctional Indoles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11963-11967.	13.8	26
25	Redox-promoted associative assembly of metal-organic materials. <i>Chemical Science</i> , 2016, 7, 707-712.	7.4	25
26	Regioselective Synthesis of Polyfunctional Arenes by a 4-Component Catellani Reaction. <i>Chem</i> , 2020, 6, 2097-2109.	11.7	25
27	Stopping Aerobic Oxidation in Its Tracks: Chemoselective Synthesis of Benzaldehydes from Methylarenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9276-9277.	13.8	24
28	Cu(III)-Mediated Aerobic Oxidations. <i>Synthesis</i> , 2019, 51, 334-358.	2.3	22
29	Theoretical Investigation of the Rubicordifolin Cascade. <i>Organic Letters</i> , 2010, 12, 5162-5165.	4.6	20
30	Mimicking oxidative radical cyclizations of lignan biosynthesis using redox-neutral photocatalysis. <i>Nature Chemistry</i> , 2021, 13, 24-32.	13.6	20
31	Simple Copper Catalysts for the Aerobic Oxidation of Amines: Selectivity Control by the Counterion. <i>Angewandte Chemie</i> , 2016, 128, 16034-16038.	2.0	18
32	Synthesis of <i>ortho</i> -Azophenols by Formal Dehydrogenative Coupling of Phenols and Hydrazines or Hydrazides. <i>Chemistry - A European Journal</i> , 2017, 23, 8596-8600.	3.3	18
33	Adapting Melanogenesis to a Regioselective C–H Functionalization of Phenols. <i>Synlett</i> , 2015, 26, 2731-2738.	1.8	17
34	A divergent and selective synthesis of <i>ortho</i> - and <i>para</i> -quinones from phenols. <i>Tetrahedron</i> , 2015, 71, 5871-5885.	1.9	16
35	Synthesis of a 1,3-Bridged Macrobicyclic Enyne via Chemoselective Cycloisomerization Using Palladium-Catalyzed Alkyne–Alkyne Coupling. <i>Journal of Organic Chemistry</i> , 2016, 81, 10023-10028.	3.2	16
36	A Catalyst-Controlled Aerobic Coupling of <i>ortho</i> -Quinones and Phenols Applied to the Synthesis of Aryl Ethers. <i>Angewandte Chemie</i> , 2016, 128, 11715-11719.	2.0	15

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37	Asymmetric synthesis of chiral $\hat{\text{I}}^2$ -alkynyl carbonyl and sulfonyl derivatives via sequential palladium and copper catalysis. <i>Chemical Science</i> , 2016, 7, 6217-6231.	7.4	15
38	Asymmetric synthesis of chiral cycloalkenone derivatives via palladium catalysis. <i>Chemical Science</i> , 2014, 5, 1354-1360.	7.4	13
39	Total Synthesis of ( <i>S,S</i> )-Tetramethylmagnolamine via Aerobic Desymmetrization. <i>Organic Letters</i> , 2019, 21, 9194-9197.	4.6	12
40	Synthesis of 1,2-Dihydroisoquinolines by a Modified Pomeranz-Fritsch Cyclization. <i>Journal of Organic Chemistry</i> , 2020, 85, 1062-1072.	3.2	12
41	Total Synthesis of ( <i>S</i> )-Cularine via Nucleophilic Substitution on a Catechol. <i>Organic Letters</i> , 2021, 23, 236-241.	4.6	12
42	Total synthesis of mololipids: A new series of anti-HIV Moloka'iamine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2679-2681.	2.2	9
43	Polyhydroxylated aziridinylcyclopentanes as glycomimetics: a new competitive inhibitor of $\hat{\text{I}}^{\pm}$ -mannosidase. <i>Tetrahedron Letters</i> , 2001, 42, 6447-6449.	1.4	9
44	Catalytic aerobic oxidation of halogenated phenols. <i>Inorganica Chimica Acta</i> , 2018, 481, 197-200.	2.4	8
45	Selectivity in the Aerobic Dearomatization of Phenols: Total Synthesis of Dehydronornuciferine by Chemo- and Regioselective Oxidation. <i>Angewandte Chemie</i> , 2018, 130, 1530-1534.	2.0	7
46	A Bioinspired Synthesis of Polyfunctional Indoles. <i>Angewandte Chemie</i> , 2018, 130, 12139-12143.	2.0	6
47	Aerobe Oxidationen im Griff: chemoselektive Synthese von Benzaldehyden aus Methylarenen. <i>Angewandte Chemie</i> , 2017, 129, 9404-9405.	2.0	4
48	Development of 3,5-Di-tert-butylphenol as a Model Substrate for Biomimetic Aerobic Copper Catalysis. <i>Synlett</i> , 2017, 28, 1548-1553.	1.8	3
49	Orthogonal Redox and Optical Stimuli Can Induce Independent Responses for Catechol-Chitosan Films. <i>Materials Chemistry Frontiers</i> , 0, , .	5.9	3
50	Bioinspired dearomatization of DBCOD lignans. <i>Trends in Chemistry</i> , 2021, 3, 603-604.	8.5	2
51	Frontispiece: Recent Applications of Diazirines in Chemical Proteomics. <i>Chemistry - A European Journal</i> , 2019, 25, , .	3.3	0