

Jean-Philip Lumb

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Mimicking oxidative radical cyclizations of lignan biosynthesis using redox-neutral photocatalysis. <i>Nature Chemistry</i> , 2021, 13, 24-32. | 13.6 | 20 |
| 2 | Total Synthesis of (<i>S</i>)-Cularine via Nucleophilic Substitution on a Catechol. <i>Organic Letters</i> , 2021, 23, 236-241. | 4.6 | 12 |
| 3 | Bioinspired dearomatization of DBCOD lignans. <i>Trends in Chemistry</i> , 2021, 3, 603-604. | 8.5 | 2 |
| 4 | Synthesis of 1,2-Dihydroisoquinolines by a Modified Pomeranzâ€Fritsch Cyclization. <i>Journal of Organic Chemistry</i> , 2020, 85, 1062-1072. | 3.2 | 12 |
| 5 | Regioselective Synthesis of Polyfunctional Arenes by a 4-Component Catellani Reaction. <i>CheM</i> , 2020, 6, 2097-2109. | 11.7 | 25 |
| 6 | Total Synthesis of (<i>S</i>,<i>S</i>)-Tetramethylmagnolamine via Aerobic Desymmetrization. <i>Organic Letters</i> , 2019, 21, 9194-9197. | 4.6 | 12 |
| 7 | Frontispiece: Recent Applications of Diazirines in Chemical Proteomics. <i>Chemistry - A European Journal</i> , 2019, 25, . | 3.3 | 0 |
| 8 | Catalytic Aerobic Cross-Dehydrogenative Coupling of Phenols and Catechols. <i>ACS Catalysis</i> , 2019, 9, 3800-3810. | 11.2 | 42 |
| 9 | Recent Applications of Diazirines in Chemical Proteomics. <i>Chemistry - A European Journal</i> , 2019, 25, 4885-4898. | 3.3 | 46 |
| 10 | Phenol-Directed Câ€H Functionalization. <i>ACS Catalysis</i> , 2019, 9, 521-555. | 11.2 | 167 |
| 11 | Cu(III)-Mediated Aerobic Oxidations. <i>Synthesis</i> , 2019, 51, 334-358. | 2.3 | 22 |
| 12 | Selectivity in the Aerobic Dearomatization of Phenols: Total Synthesis of Dehydronornuciferine by Chemoâ€and Regioselective Oxidation. <i>Angewandte Chemie</i> , 2018, 130, 1530-1534. | 2.0 | 7 |
| 13 | Selectivity in the Aerobic Dearomatization of Phenols: Total Synthesis of Dehydronornuciferine by Chemoâ€and Regioselective Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1514-1518. | 13.8 | 27 |
| 14 | Catalytic aerobic oxidation of halogenated phenols. <i>Inorganica Chimica Acta</i> , 2018, 481, 197-200. | 2.4 | 8 |
| 15 | A Bioinspired Synthesis of Polyfunctional Indoles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11963-11967. | 13.8 | 26 |
| 16 | A Bioinspired Synthesis of Polyfunctional Indoles. <i>Angewandte Chemie</i> , 2018, 130, 12139-12143. | 2.0 | 6 |
| 17 | Second-Order Biomimicry: In Situ Oxidative Self-Processing Converts Copper(I)/Diamine Precursor into a Highly Active Aerobic Oxidation Catalyst. <i>ACS Central Science</i> , 2017, 3, 314-321. | 11.3 | 43 |
| 18 | Unified Synthesis of 1,2-Oxy-aminoarenes via a Bio-inspired Phenol-Amine Coupling. <i>CheM</i> , 2017, 2, 533-549. | 11.7 | 43 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | A chlorine-free protocol for processing germanium. <i>Science Advances</i> , 2017, 3, e1700149. | 10.3 | 41 |
| 21 | 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 |
| 22 | 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 |
| 23 | Development of 3,5-Di- <i>tert</i> -butylphenol as a Model Substrate for Biomimetic Aerobic Copper Catalysis. <i>Synlett</i> , 2017, 28, 1548-1553. | 1.8 | 3 |
| 24 | Aerobe Oxidationen im Griff: chemoselektive Synthese von Benzaldehyden aus Methylarenen. <i>Angewandte Chemie</i> , 2017, 129, 9404-9405. | 2.0 | 4 |
| 25 | A Catalyst-Controlled Aerobic Coupling of <i>ortho</i> -Quinones and Phenols Applied to the Synthesis of Aryl Ethers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11543-11547. | 13.8 | 56 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Simple Copper Catalysts for the Aerobic Oxidation of Amines: Selectivity Control by the Counterion. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15802-15806. | 13.8 | 59 |
| 30 | Asymmetric synthesis of chiral β^2 -alkynyl carbonyl and sulfonyl derivatives via sequential palladium and copper catalysis. <i>Chemical Science</i> , 2016, 7, 6217-6231. | 7.4 | 15 |
| 31 | 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 |
| 32 | Redox-promoted associative assembly of metal-organic materials. <i>Chemical Science</i> , 2016, 7, 707-712. | 7.4 | 25 |
| 33 | Adapting Melanogenesis to a Regioselective C–H Functionalization of Phenols. <i>Synlett</i> , 2015, 26, 2731-2738. | 1.8 | 17 |
| 34 | A TEMPO-Free Copper-Catalyzed Aerobic Oxidation of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4208-4211. | 13.8 | 115 |
| 35 | A Bio-Inspired Total Synthesis of Tetrahydrofuran Lignans. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2204-2208. | 13.8 | 47 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | A Biomimetic Mechanism for the Copper-Catalyzed Aerobic Oxygenation of 4- <i>tert</i> -Butylphenol. <i>Inorganic Chemistry</i> , 2015, 54, 8665-8672. | 4.0 | 61 |
| 38 | Asymmetric synthesis of chiral cycloalkenone derivatives via palladium catalysis. <i>Chemical Science</i> , 2014, 5, 1354-1360. | 7.4 | 13 |
| 39 | A Biomimetic Catalytic Aerobic Functionalization of Phenols. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5877-5881. | 13.8 | 91 |
| 40 | Controlling the Catalytic Aerobic Oxidation of Phenols. <i>Journal of the American Chemical Society</i> , 2014, 136, 7662-7668. | 13.7 | 163 |
| 41 | Total Synthesis of Exiguamines A and B Inspired by Catecholamine Chemistry. <i>Chemistry - A European Journal</i> , 2012, 18, 4999-5005. | 3.3 | 34 |
| 42 | A New Strategy for the Synthesis of Chiral $\hat{1}^2$ -Alkynyl Esters via Sequential Palladium and Copper Catalysis. <i>Journal of the American Chemical Society</i> , 2011, 133, 8502-8505. | 13.7 | 52 |
| 43 | An Atom-Economic Synthesis of Nitrogen Heterocycles from Alkynes. <i>Journal of the American Chemical Society</i> , 2011, 133, 740-743. | 13.7 | 114 |
| 44 | Theoretical Investigation of the Rubicordifolin Cascade. <i>Organic Letters</i> , 2010, 12, 5162-5165. | 4.6 | 20 |
| 45 | Biomimetic synthesis of the IDO inhibitors exiguamine A and B. <i>Nature Chemical Biology</i> , 2008, 4, 535-537. | 8.0 | 62 |
| 46 | <i>ortho</i> -Quinone Methides from <i>para</i> -Quinones: Total Synthesis of Rubioncolin B. <i>Journal of the American Chemical Society</i> , 2008, 130, 9230-9231. | 13.7 | 121 |
| 47 | Pericyclic Reactions of Prenylated Naphthoquinones: Biomimetic Syntheses of Mollugin and Microphyllaquinone. <i>Organic Letters</i> , 2005, 7, 5865-5868. | 4.6 | 74 |
| 48 | Biomimetic Synthesis and Structure Elucidation of Rubicordifolin, a Cytotoxic Natural Product from <i>Rubia cordifolia</i> . <i>Journal of the American Chemical Society</i> , 2005, 127, 2870-2871. | 13.7 | 82 |
| 49 | Polyhydroxylated aziridinylcyclopentanes as glycomimetics: a new competitive inhibitor of $\hat{1}\pm$ -mannosidase. <i>Tetrahedron Letters</i> , 2001, 42, 6447-6449. | 1.4 | 9 |
| 50 | 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 |
| 51 | Orthogonal Redox and Optical Stimuli Can Induce Independent Responses for Catechol-Chitosan Films. <i>Materials Chemistry Frontiers</i> , 0, , . | 5.9 | 3 |