

David Sarlah

List of Publications by Year in descending order

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73
papers

9,552
citations

87886

38
h-index

69246

77
g-index

107
all docs

107
docs citations

107
times ranked

6907
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Cross-Coupling Reactions in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4442-4489.	13.8	2,426
2	Metathesis Reactions in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4490-4527.	13.8	1,101
3	Enantio- and Diastereodivergent Dual Catalysis: $\hat{\pm}$ -Allylation of Branched Aldehydes. <i>Science</i> , 2013, 340, 1065-1068.	12.6	775
4	Stereodivergent $\hat{\pm}$ -Allylation of Linear Aldehydes with Dual Iridium and Amine Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 3020-3023.	13.7	353
5	Recent advances in chemical dearomatization of nonactivated arenes. <i>Chemical Society Reviews</i> , 2018, 47, 7996-8017.	38.1	309
6	Iridium-Catalyzed Enantioselective Allylic Vinylation. <i>Journal of the American Chemical Society</i> , 2013, 135, 994-997.	13.7	228
7	Iridium-Catalyzed Enantioselective Polyene Cyclization. <i>Journal of the American Chemical Society</i> , 2012, 134, 20276-20278.	13.7	199
8	Enantioselective Intramolecular Friedel-Crafts-Type $\hat{\pm}$ -Arylation of Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 2086-2087.	13.7	181
9	Dearomative dihydroxylation with arenophiles. <i>Nature Chemistry</i> , 2016, 8, 922-928.	13.6	144
10	Iridium-Catalyzed Enantioselective Allylic Alkynylation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7532-7535.	13.8	142
11	Stereodivergent Total Synthesis of $\hat{\pm}$ -Tetrahydrocannabinols. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13898-13901.	13.8	134
12	Iridium-Catalyzed Enantioselective Allylic Alkene Coupling. <i>Journal of the American Chemical Society</i> , 2014, 136, 3006-3009.	13.7	130
13	Synthesis and Biological Evaluation of Epidithio-, Epitetrahydro-, and bis-(Methylthio)diketopiperazines: Synthetic Methodology, Enantioselective Total Synthesis of Epicoccin G, 8-Epi-Rostratin B, Gliotoxin, Gliotoxin G, Emethallicin E, and Haematocin and Discovery of New Antiviral and Antimalarial Agents. <i>Journal of the American Chemical Society</i> , 2012, 134, 17320-17322.	13.7	113
14	Amphotericin B Increases Influenza A Virus Infection by Preventing IFITM3-Mediated Restriction. <i>Cell Reports</i> , 2013, 5, 895-908.	6.4	108
15	Shaping Molecular Landscapes: Recent Advances, Opportunities, and Challenges in Dearomatization. <i>Chem</i> , 2020, 6, 1589-1603.	11.7	108
16	Total Synthesis and Revised Structure of Biyouyanagin A. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4708-4711.	13.8	106
17	Visible-Light-Induced Dearomatizations. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1259-1273.	2.4	102
18	Total Synthesis, Revised Structure, and Biological Evaluation of Biyouyanagin A and Analogues Thereof. <i>Journal of the American Chemical Society</i> , 2008, 130, 11114-11121.	13.7	97

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19	Total Synthesis of Hirsutelloneâ€¦B. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6870-6874.	13.8	97
20	Iridiumâ€Catalyzed Enantioselective Allylâ€Allylsilane Crossâ€Coupling. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10759-10762.	13.8	90
21	Iridiumâ€Catalyzed Enantioselective Allylic Alkylation with Functionalized Organozinc Bromides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7644-7647.	13.8	84
22	Total Synthesis of Epicoccin G. <i>Journal of the American Chemical Society</i> , 2011, 133, 8150-8153.	13.7	78
23	Synthesis of (+)-Pancratistatins via Catalytic Desymmetrization of Benzene. <i>Journal of the American Chemical Society</i> , 2017, 139, 15656-15659.	13.7	72
24	Total Synthesis and Structural Elucidation of Azaspiracid-1. Construction of Key Building Blocks for Originally Proposed Structure. <i>Journal of the American Chemical Society</i> , 2006, 128, 2244-2257.	13.7	70
25	Enantioselective polyene cyclizations. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5454-5467.	2.8	70
26	Nickel-Catalyzed Dearomative <i>trans</i> -1,2-Carboamination. <i>Journal of the American Chemical Society</i> , 2018, 140, 4503-4507.	13.7	65
27	Enantioselective Iridium-Catalyzed Allylic Cyclizations. <i>Organic Letters</i> , 2017, 19, 3235-3238.	4.6	62
28	Enantioselective Synthesis of Isocarbostyryl Alkaloids and Analogs Using Catalytic Dearomative Functionalization of Benzene. <i>Journal of the American Chemical Society</i> , 2019, 141, 657-670.	13.7	61
29	Palladium-Catalyzed Dearomative <i>syn</i> -1,4-Carboamination. <i>Journal of the American Chemical Society</i> , 2017, 139, 17787-17790.	13.7	53
30	Arenophileâ€Mediated Dearomative Reduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15910-15914.	13.8	52
31	Palladium-Catalyzed Dearomative <i>syn</i> -1,4-Diamination. <i>Journal of the American Chemical Society</i> , 2019, 141, 163-167.	13.7	51
32	Chemical Equivalent of Arene Monooxygenases: Dearomative Synthesis of Arene Oxides and Oxepines. <i>Journal of the American Chemical Society</i> , 2020, 142, 10125-10131.	13.7	50
33	Asymmetric Total Synthesis of Cylindrocyclophanesâ€¦A and F through Cyclodimerization and a Rambergâ€Bäcklund Reaction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5875-5878.	13.8	46
34	Highly Selective Diels-Alder Reactions of Directly Connected Enyne Dienophiles. <i>Journal of the American Chemical Society</i> , 2007, 129, 645-657.	13.7	45
35	Total Synthesis of Lycoricidine and Narciclasine by Chemical Dearomatization of Bromobenzene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15049-15052.	13.8	42
36	Bioinspired Synthesis of Hirsutellones A, B, and C. <i>Organic Letters</i> , 2011, 13, 5708-5710.	4.6	36

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37	Arenophile-Mediated Dearomative Functionalization Strategies. <i>Synlett</i> , 2018, 29, 845-855.	1.8	35
38	Diversity-oriented synthesis of nanographenes enabled by dearomative annulative C-extension. <i>Nature Communications</i> , 2021, 12, 3940.	12.8	35
39	Palladium-Catalyzed Dearomative C-C Carboamination with Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10245-10249.	13.8	33
40	Design, synthesis, and biological evaluation of a biyouyanagin compound library. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6715-6720.	7.1	32
41	Total Synthesis and Computational Investigations of Sesquiterpene-Tropolones Ameliorate Stereochemical Inconsistencies and Resolve an Ambiguous Biosynthetic Relationship. <i>Journal of the American Chemical Society</i> , 2021, 143, 6006-6017.	13.7	32
42	Stereochemical Studies of the Opening of Chloro Vinyl Epoxides: Cyclic Chloronium Ions as Intermediates. <i>Organic Letters</i> , 2015, 17, 1878-1881.	4.6	27
43	Total Synthesis and Structural Revision of Biyouyanagin B. <i>Chemistry - A European Journal</i> , 2010, 16, 7678-7682.	3.3	23
44	Arenophile-Mediated Photochemical Dearomatization of Nonactivated Arenes. <i>Chimia</i> , 2020, 74, 577.	0.6	21
45	Combination of Antimicrobial and Endotoxin-Neutralizing Activities of Novel Oleoylamines. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2307-2313.	3.2	20
46	Total Synthesis of Isomalabaricane Triterpenoids. <i>Journal of the American Chemical Society</i> , 2019, 141, 14131-14135.	13.7	20
47	Electrochemical Dearomatization of Commodity Polymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 21264-21269.	13.7	19
48	Arenophile-Mediated Dearomative Reduction. <i>Angewandte Chemie</i> , 2016, 128, 16142-16146.	2.0	18
49	Palladium-Catalyzed Dearomative C-C Oxyamination. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15762-15766.	13.8	17
50	Synthesis of (±)-Idarubicinone via Global Functionalization of Tetracene. <i>Journal of the American Chemical Society</i> , 2019, 141, 10193-10198.	13.7	16
51	Structure Prediction and Synthesis of Pyridine-Based Macrocyclic Peptide Natural Products. <i>Organic Letters</i> , 2021, 23, 253-256.	4.6	16
52	Empowering Synthesis of Complex Natural Products. <i>Chemistry - A European Journal</i> , 2019, 25, 13248-13270.	3.3	15
53	Synthetic Studies on Selective, Proapoptotic Isomalabaricane Triterpenoids Aided by Computational Techniques. <i>Journal of the American Chemical Society</i> , 2021, 143, 2138-2155.	13.7	12
54	Synthesis of (+)-ribostamycin by catalytic, enantioselective hydroamination of benzene. , 2022, 1, 542-547.		12

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55	Synthesis of Naphthalene-Based Push-Pull Molecules with a Heteroaromatic Electron Acceptor. <i>Molecules</i> , 2016, 21, 267.	3.8	10
56	Synthesis of the Cannabimovone and Cannabifuran Class of Minor Phytocannabinoids and Their Anti-inflammatory Activity. <i>Journal of Organic Chemistry</i> , 2022, 87, 6075-6086.	3.2	10
57	Total Synthesis of Lycoricidine and Narciclasine by Chemical Dearomatization of Bromobenzene. <i>Angewandte Chemie</i> , 2017, 129, 15245-15248.	2.0	8
58	The influence of terpenes on the release of volatile organic compounds and active ingredients to cannabis vaping aerosols. <i>RSC Advances</i> , 2021, 11, 11714-11723.	3.6	8
59	Total Synthesis of Stelletins through an Unconventional Annulation Strategy. <i>Accounts of Chemical Research</i> , 2021, 54, 1597-1609.	15.6	8
60	Palladium-Catalyzed Dearomative <i>syn</i> -1,4-Carboamination with Grignard Reagents. <i>Angewandte Chemie</i> , 2019, 131, 10351-10355.	2.0	7
61	No double bond left behind. <i>Nature</i> , 2016, 531, 453-454.	27.8	5
62	A new approach towards the synthesis of bielschowskysin: Synthesis and photochemistry of an advanced macrocyclic enedione intermediate. <i>Tetrahedron</i> , 2020, 76, 131318.	1.9	5
63	Cover Picture: Palladium-Catalyzed Cross-Coupling Reactions in Total Synthesis / Metathesis Reactions in Total Synthesis (<i>Angew. Chem. Int. Ed.</i> 29/2005). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4413-4413.	13.8	4
64	Development of a Scalable and Sublimation-Free Route to MTAD. <i>Organic Process Research and Development</i> , 2020, 24, 2953-2959.	2.7	4
65	Palladium-Catalyzed Dearomative <i>syn</i> -1,4-Oxyamination. <i>Angewandte Chemie</i> , 2019, 131, 15909-15913.	2.3	1
66	Dearomative <i>syn</i> -1,2-Diamination of Benzene and Naphthalene. <i>Synthesis</i> , 0, , .	2.3	1
67	Nutritional and physico-chemical implications of avocado meal as a novel dietary fiber source in an extruded canine diet. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	1
68	Palladium-Catalyzed Cross-Coupling Reactions in Total Synthesis. <i>ChemInform</i> , 2005, 36, no.	0.0	0
69	Metathesis Reactions in Total Synthesis. <i>ChemInform</i> , 2005, 36, no.	0.0	0
70	Cover Picture: Total Synthesis and Revised Structure of Biyouyanagin...A (<i>Angew. Chem. Int. Ed.</i> 25/2007). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4587-4587.	13.8	0
71	Frontispiece: Empowering Synthesis of Complex Natural Products. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0
72	Amaryllidaceae isocarbostryl alkaloids. <i>Strategies and Tactics in Organic Synthesis</i> , 2022, 15, 1-52.	0.1	0

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73	Dearomative Ring Expansion of Polycyclic Arenes. <i>Angewandte Chemie</i> , 0, , .	2.0	0