

Igor D Jurberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2937791/publications.pdf>

Version: 2024-02-01

40
papers

3,385
citations

279701

23
h-index

302012

39
g-index

49
all docs

49
docs citations

49
times ranked

2588
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical activity of a key donor-acceptor complex can drive stereoselective catalytic α -alkylation of aldehydes. <i>Nature Chemistry</i> , 2013, 5, 750-756.	6.6	530
2	Organic Synthesis Enabled by Light-Irradiation of EDA Complexes: Theoretical Background and Synthetic Applications. <i>ACS Catalysis</i> , 2016, 6, 1389-1407.	5.5	504
3	Visible light-promoted reactions with diazo compounds: a mild and practical strategy towards free carbene intermediates. <i>Chemical Society Reviews</i> , 2020, 49, 6833-6847.	18.7	261
4	Blue light-promoted photolysis of aryldiazoacetates. <i>Chemical Science</i> , 2018, 9, 5112-5118.	3.7	258
5	Enantioselective Organocatalytic Alkylation of Aldehydes and Enals Driven by the Direct Photoexcitation of Enamines. <i>Journal of the American Chemical Society</i> , 2015, 137, 6120-6123.	6.6	251
6	When asymmetric aminocatalysis meets the vinylogy principle. <i>Chemical Communications</i> , 2013, 49, 4869.	2.2	233
7	X-ray Characterization of an Electron Donor-Acceptor Complex that Drives the Photochemical Alkylation of Indoles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1485-1489.	7.2	183
8	Intramolecular Redox-Triggered C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1950-1953.	7.2	173
9	Hydroalkylation of Alkynyl Ethers via a Gold(I)-Catalyzed 1,5-Hydride Shift/Cyclization Sequence. <i>Journal of the American Chemical Society</i> , 2010, 132, 3543-3552.	6.6	145
10	Synthesis of Functionalized Oxazolones by a Sequence of Cu(II)- and Au(I)-Catalyzed Transformations. <i>Organic Letters</i> , 2008, 10, 925-928.	2.4	134
11	Blue Light-Promoted N-H Insertion of Carbazoles, Pyrazoles and 1,2,3-Triazoles into Aryldiazoacetates. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1106-1111.	2.1	60
12	Formation of cinnoline derivatives by a gold(I)-catalyzed hydroarylation of N-propargyl-N-arylhydrazines. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 37-41.	0.8	42
13	Michael Addition of Soft Carbon Nucleophiles to Alkylidene Isoxazol-5-ones: A Divergent Entry to β -Branched Carbonyl Compounds. <i>Organic Letters</i> , 2015, 17, 2490-2493.	2.4	42
14	Unusual Approach to Branched 3-Alkynylamides and to 1,5-Dihydropyrrol-2-ones. <i>Organic Letters</i> , 2010, 12, 416-419.	2.4	38
15	Dual Nucleophilic/Electrophilic Capture of In Situ Generated Iminium Ethers: Towards the Synthesis of Functionalized Amide Building Blocks. <i>Chemistry - A European Journal</i> , 2012, 18, 16292-16296.	1.7	33
16	An Aminocatalyzed Stereoselective Strategy for the Formal α -Propargylation of Ketones. <i>Chemistry - A European Journal</i> , 2017, 23, 9716-9720.	1.7	33
17	Rhodium- and Non-Metal-Catalyzed Approaches for the Conversion of Isoxazol-5-ones to 2,3-Dihydro-6H-1,3-oxazin-6-ones. <i>Organic Letters</i> , 2017, 19, 5158-5161.	2.4	32
18	An Aminocatalyzed Michael Addition/Iron-Mediated Decarboxylative Cyclization Sequence for the Preparation of 2,3,4,6-Tetrasubstituted Pyridines: Scope and Mechanistic Insights. <i>Journal of Organic Chemistry</i> , 2017, 82, 10319-10330.	1.7	32

#	ARTICLE	IF	CITATIONS
19	Isoxazol-5-ones as Strategic Building Blocks in Organic Synthesis. <i>Synthesis</i> , 2018, 50, 2473-2489.	1.2	31
20	Room Temperature Coupling of Aryldiazoacetates with Boronic Acids Enhanced by Blue Light Irradiation. <i>Chemistry - A European Journal</i> , 2020, 26, 5648-5653.	1.7	31
21	The chemistry and biology of guanidine secondary metabolites. <i>Natural Product Reports</i> , 2021, 38, 586-667.	5.2	30
22	Unusual mechanisms in Claisen rearrangements: an ionic fragmentation leading to a <i>cis</i> -selective rearrangement. <i>Chemical Science</i> , 2018, 9, 4124-4131.	3.7	28
23	A Selective C-C Bond Cleavage Strategy Promoted by Visible Light. <i>Organic Letters</i> , 2021, 23, 8916-8920.	2.4	23
24	Preparation of Organic Nitrates from Aryldiazoacetates and Fe(NO ₃) ₃ ·9H ₂ O. <i>Organic Letters</i> , 2019, 21, 6909-6913.	2.4	22
25	Visible-Light-Mediated Strategies to Assemble Alkyl 2-Carboxylate-2,3,3-Trisubstituted β -Lactams and 5-Alkoxy-2,2,4-Trisubstituted Furan-3(2H)-ones Using Aryldiazoacetates and Aryldiazoketones. <i>Organic Letters</i> , 2021, 23, 9292-9296.	2.4	22
26	Blue light-promoted N-H insertion of amides, isatins, sulfonamides and imides into aryldiazoacetates: Synthesis of unnatural β -aryl amino acid derivatives. <i>Tetrahedron</i> , 2020, 76, 131316.	1.0	21
27	General Protocol to Obtain D-Glucosamine from Biomass Residues: Shrimp Shells, Cicada Sloughs and Cockroaches. <i>Global Challenges</i> , 2018, 2, 1800046.	1.8	20
28	A visible light-mediated three-component strategy based on the ring-opening of cyclic ethers with aryldiazoacetates and nucleophiles. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1321-1326.	2.3	19
29	RuCl ₃ /PPh ₃ -Catalyzed Direct Conversion of Isoxazolones to 2,3-Disubstituted Pyridines. <i>ChemistrySelect</i> , 2019, 4, 3360-3365.	0.7	17
30	General Platform for the Conversion of Isoxazolones to 3,5-Disubstituted Isoxazoles via Nucleophilic Substitutions and Palladium Catalyzed Cross-Coupling Strategies. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3022-3034.	1.2	16
31	Activating Imides with Triflic Acid: A General Intramolecular Aldol Condensation Strategy Toward Indolizidine, Quinolizidine, and Valmerin Alkaloids. <i>Organic Letters</i> , 2020, 22, 239-243.	2.4	15
32	Nonlinear Biosynthetic Assembly of Alpinamide by a Hybrid <i>cis</i> / <i>trans</i> -AT PKS-NRPS. <i>ACS Chemical Biology</i> , 2020, 15, 1067-1077.	1.6	13
33	Visible-Light-Mediated Strategies for the Preparation of Oxime Ethers Derived from O-H Insertions of Oximes into Aryldiazoacetates. <i>Journal of Organic Chemistry</i> , 2021, 86, 17528-17532.	1.7	13
34	Diastereodivergent aminocatalyzed spirocyclization strategies using 4-alkylideneisoxazol-5-ones and methyl vinyl ketones. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3599-3607.	2.3	11
35	Conjugation of antifungal benzoic acid derivatives as a path for detoxification in <i>Penicillium brasilianum</i> , an endophyte from <i>Melia azedarach</i> . <i>Bioorganic Chemistry</i> , 2018, 81, 367-372.	2.0	7
36	Cyclization Strategies Using Imide Derivatives for the Synthesis of Polycyclic Nitrogen-Containing Compounds. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	6

#	ARTICLE	IF	CITATIONS
37	Synthesis of Functionalized Chromenes and Benzofurans from Aryloxy Propargyl Malonates. Israel Journal of Chemistry, 2013, 53, 915-922.	1.0	5
38	Hâ€“F bond insertions into Î±-diazo carbonyl compounds. Organic and Biomolecular Chemistry, 2022, 20, 6178-6182.	1.5	2
39	SYNERGISMS BETWEEN METAL AND PHOTOREDOX CATALYSIS: DECONVOLUTING COMPLEX SYSTEMS. Quimica Nova, 0, , .	0.3	1
40	Silver Carbonate. Synlett, 2011, 2011, 3053-3054.	1.0	0