

Jaime A S Coelho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5965068/publications.pdf>

Version: 2024-02-01

36
papers

1,401
citations

430874

18
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

1887
citing authors

#	ARTICLE	IF	CITATIONS
1	Modern Approaches for Asymmetric Construction of Carbon–Fluorine Quaternary Stereogenic Centers: Synthetic Challenges and Pharmaceutical Needs. <i>Chemical Reviews</i> , 2018, 118, 3887-3964.	47.7	476
2	Fine Tuning of Dirhodium(II) Complexes: Exploring the Axial Modification. <i>ACS Catalysis</i> , 2012, 2, 370-383.	11.2	101
3	Parametrization of Non-covalent Interactions for Transition State Interrogation Applied to Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 6803-6806.	13.7	87
4	An Integrated Approach for the Production and Isolation of 5-Hydroxymethylfurfural from Carbohydrates. <i>ChemSusChem</i> , 2012, 5, 1388-1391.	6.8	83
5	Bringing an “Old” Biological Buffer to Coordination Chemistry: New 1D and 3D Coordination Polymers with [Cu ₄ (Hbes) ₄] Cores for Mild Hydrocarboxylation of Alkanes. <i>Inorganic Chemistry</i> , 2010, 49, 6390-6392.	4.0	77
6	Synthesis and Applications of Stenhouse Salts and Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 9170-9186.	3.3	61
7	Integrated Chemo–Enzymatic Production of 5-Hydroxymethylfurfural from Glucose. <i>ChemSusChem</i> , 2013, 6, 997-1000.	6.8	46
8	Synthesis of Symmetric Bis(<i>N</i> -alkylaniline)triarylmethanes via Friedel–Crafts-Catalyzed Reaction between Secondary Anilines and Aldehydes. <i>Journal of Organic Chemistry</i> , 2015, 80, 10404-10411.	3.2	34
9	Evaluating the toxicity of biomass derived platform chemicals. <i>Green Chemistry</i> , 2016, 18, 4733-4742.	9.0	32
10	Copper(II) Triflate As a Reusable Catalyst for the Synthesis of <i>trans</i> -4,5-Diamino-cyclopent-2-enones in Water. <i>Journal of Organic Chemistry</i> , 2018, 83, 7509-7513.	3.2	32
11	Enantioselective fluorination of homoallylic alcohols enabled by the tuning of non-covalent interactions. <i>Chemical Science</i> , 2018, 9, 7153-7158.	7.4	30
12	Predictive Multivariate Models for Bioorthogonal Inverse-Electron Demand Diels–Alder Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4235-4241.	13.7	30
13	Bifunctional Cr ³⁺ modified ion exchange resins as efficient reusable catalysts for the production and isolation of 5-hydroxymethylfurfural from glucose. <i>RSC Advances</i> , 2017, 7, 7555-7559.	3.6	29
14	Efficient Amino–Sulfhydryl Stapling on Peptides and Proteins Using Bifunctional NHS–Activated Acrylamides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10850-10857.	13.8	28
15	Dual Stimuli-Responsive Dynamic Covalent Peptide Tags: Toward Sequence-Controlled Release in Tumor-like Microenvironments. <i>Journal of the American Chemical Society</i> , 2021, 143, 17047-17058.	13.7	28
16	Sequence Programming with Dynamic Boronic Acid/Catechol Binary Codes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14026-14031.	13.7	26
17	Trienamines derived from 5-substituted furfurals: remote μ -functionalization of 2,4-dienals. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9324-9328.	2.8	22
18	N-Heterocyclic Carbene Dirhodium(II) Complexes as Catalysts for Allylic and Benzylic Oxidations. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1471-1478.	2.4	19

#	ARTICLE	IF	CITATIONS
19	NHC catalysed direct addition of HMF to diazo compounds: synthesis of acyl hydrazones with antitumor activity. RSC Advances, 2014, 4, 29352-29356.	3.6	18
20	Direct Conversion of Activated 5-Hydroxymethylfurfural into γ -Lactone-Fused Cyclopentenones. ChemSusChem, 2019, 12, 420-425.	6.8	18
21	Enantioselective Kinetic Resolution/Desymmetrization of <i>Para</i> -Quinols: A Case Study in Boronic Acid-Directed Phosphoric Acid Catalysis. Advanced Synthesis and Catalysis, 2020, 362, 295-301.	4.3	18
22	Detection of Few Hydrogen Peroxide Molecules Using Self-Reporting Fluorescent Nanodiamond Quantum Sensors. Journal of the American Chemical Society, 2022, 144, 12642-12651.	13.7	14
23	Hypervalent Iodine Mediated Sulfonamide Synthesis. European Journal of Organic Chemistry, 2019, 2019, 2695-2701.	2.4	13
24	An emerging platform from renewable resources: selection guidelines for human exposure of furfural-related compounds. Toxicology Research, 2014, 3, 311-314.	2.1	12
25	Synthesis of Non-symmetrical Dispiro-1,2,4,5-Tetraoxanes and Dispiro-1,2,4-Trioxanes Catalyzed by Silica Sulfuric Acid. Journal of Organic Chemistry, 2021, 86, 10608-10620.	3.2	11
26	Synthesis of 5-(Hydroxymethyl)furfural (HMF). Organic Syntheses, 0, 93, 29-36.	1.0	10
27	Oxidation of 5-Chloromethylfurfural (CMF) to 2,5-Diformylfuran (DFF). Molecules, 2017, 22, 329.	3.8	9
28	Valorization of Oleuropein via Tunable Acid-Promoted Methanolysis. ChemSusChem, 2018, 11, 2300-2305.	6.8	9
29	Securing a furan-based biorefinery: disclosing the genetic basis of the degradation of hydroxymethylfurfural and its derivatives in the model fungus <i>Aspergillus nidulans</i> . Microbial Biotechnology, 2020, 13, 1983-1996.	4.2	8
30	Hypervalent Iodine(III) Reagents with Transferable Primary Amines: Structure and Reactivity on the Electrophilic α -Amination of Stabilized Enolates. Organic Letters, 2022, 24, 776-781.	4.6	6
31	Synthesis and reactivity/stability study of double-functionalizable strained <i>trans</i> -cyclooctenes for tetrazine bioorthogonal reactions. Pure and Applied Chemistry, 2020, 92, 15-23.	1.9	5
32	Efficient Amino-Sulfhydryl Stapling on Peptides and Proteins Using Bifunctional NHS-Activated Acrylamides. Angewandte Chemie, 2021, 133, 10945-10952.	2.0	3
33	Solvent-Free Synthesis of 2,5-Bis((dimethylamino)methylene)cyclopentanone. Methods and Protocols, 2019, 2, 69.	2.0	2
34	Tandem Thio-Michael Addition/Remote Lactone Activation of 5-Hydroxymethylfurfural-Derived γ -Lactone-Fused Cyclopentenones. ChemSusChem, 2022, , e202102204.	6.8	2
35	PEG-Supported Hypervalent Iodine Reagent for Sulfonamide Synthesis. Synlett, 0, 32, .	1.8	1
36	Frontispiece: Synthesis and Applications of Stenhouse Salts and Derivatives. Chemistry - A European Journal, 2018, 24, .	3.3	0