

Jaime A S Coelho

List of Publications by Year in descending order

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papers

1,401
citations

430442

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395343

33
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42
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docs citations

42
times ranked

1887
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypervalent Iodine(III) Reagents with Transferable Primary Amines: Structure and Reactivity on the Electrophilic α -Amination of Stabilized Enolates. <i>Organic Letters</i> , 2022, 24, 776-781.	2.4	6
2	Tandem Thio α -Michael Addition/Remote Lactone Activation of 5 α -Hydroxymethylfurfural α -Derived γ -Lactone α -Fused Cyclopentenones. <i>ChemSusChem</i> , 2022, , e202102204.	3.6	2
3	Detection of Few Hydrogen Peroxide Molecules Using Self-Reporting Fluorescent Nanodiamond Quantum Sensors. <i>Journal of the American Chemical Society</i> , 2022, 144, 12642-12651.	6.6	14
4	Efficient Amino α -Sulfhydryl Stapling on Peptides and Proteins Using Bifunctional NHS α -Activated Acrylamides. <i>Angewandte Chemie</i> , 2021, 133, 10945-10952.	1.6	3
5	Efficient Amino α -Sulfhydryl Stapling on Peptides and Proteins Using Bifunctional NHS α -Activated Acrylamides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10850-10857.	7.2	28
6	Synthesis of Non-symmetrical Dispiro-1,2,4,5-Tetraoxanes and Dispiro-1,2,4-Trioxanes Catalyzed by Silica Sulfuric Acid. <i>Journal of Organic Chemistry</i> , 2021, 86, 10608-10620.	1.7	11
7	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.	6.6	28
8	Synthesis and reactivity/stability study of double-functionalizable strained <i>trans</i> -cyclooctenes for tetrazine bioorthogonal reactions. <i>Pure and Applied Chemistry</i> , 2020, 92, 15-23.	0.9	5
9	Enantioselective Kinetic Resolution/Desymmetrization of <i>Para</i> -Quinols: A Case Study in Boronic α -Acid α -Directed Phosphoric Acid Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 295-301.	2.1	18
10	Securing a furan α -based biorefinery: disclosing the genetic basis of the degradation of hydroxymethylfurfural and its derivatives in the model fungus <i>Aspergillus nidulans</i> . <i>Microbial Biotechnology</i> , 2020, 13, 1983-1996.	2.0	8
11	Predictive Multivariate Models for Bioorthogonal Inverse-Electron Demand Diels α -Alder Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4235-4241.	6.6	30
12	Sequence Programming with Dynamic Boronic Acid/Catechol Binary Codes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14026-14031.	6.6	26
13	Solvent-Free Synthesis of 2,5Bis((dimethylamino)methylene)cyclopentanone. <i>Methods and Protocols</i> , 2019, 2, 69.	0.9	2
14	Hypervalent Iodine Mediated Sulfonamide Synthesis. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2695-2701.	1.2	13
15	Direct Conversion of Activated 5 α -Hydroxymethylfurfural into γ -Lactone α -Fused Cyclopentenones. <i>ChemSusChem</i> , 2019, 12, 420-425.	3.6	18
16	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.	1.7	32
17	Synthesis and Applications of Stenhouse Salts and Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 9170-9186.	1.7	61
18	Modern Approaches for Asymmetric Construction of Carbon α -Fluorine Quaternary Stereogenic Centers: Synthetic Challenges and Pharmaceutical Needs. <i>Chemical Reviews</i> , 2018, 118, 3887-3964.	23.0	476

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19	Valorization of Oleuropein via Tunable Acid-Promoted Methanolysis. <i>ChemSusChem</i> , 2018, 11, 2300-2305.	3.6	9
20	Frontispiece: Synthesis and Applications of Stenhouse Salts and Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
21	Enantioselective fluorination of homoallylic alcohols enabled by the tuning of non-covalent interactions. <i>Chemical Science</i> , 2018, 9, 7153-7158.	3.7	30
22	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.	6.6	87
23	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.	1.7	29
24	Oxidation of 5-Chloromethylfurfural (CMF) to 2,5-Diformylfuran (DFF). <i>Molecules</i> , 2017, 22, 329.	1.7	9
25	Evaluating the toxicity of biomass derived platform chemicals. <i>Green Chemistry</i> , 2016, 18, 4733-4742.	4.6	32
26	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.	1.7	34
27	Trienamines derived from 5-substituted furfurals: remote μ -functionalization of 2,4-dienals. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9324-9328.	1.5	22
28	An emerging platform from renewable resources: selection guidelines for human exposure of furfural-related compounds. <i>Toxicology Research</i> , 2014, 3, 311-314.	0.9	12
29	NHC catalysed direct addition of HMF to diazo compounds: synthesis of acyl hydrazones with antitumor activity. <i>RSC Advances</i> , 2014, 4, 29352-29356.	1.7	18
30	N-Heterocyclic Carbene Dirhodium(II) Complexes as Catalysts for Allylic and Benzylic Oxidations. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1471-1478.	1.2	19
31	Integrated Chemo-Enzymatic Production of 5-Hydroxymethylfurfural from Glucose. <i>ChemSusChem</i> , 2013, 6, 997-1000.	3.6	46
32	Fine Tuning of Dirhodium(II) Complexes: Exploring the Axial Modification. <i>ACS Catalysis</i> , 2012, 2, 370-383.	5.5	101
33	An Integrated Approach for the Production and Isolation of 5-Hydroxymethylfurfural from Carbohydrates. <i>ChemSusChem</i> , 2012, 5, 1388-1391.	3.6	83
34	Bringing an α -Oxidative 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.	1.9	77
35	PEG-Supported Hypervalent Iodine Reagent for Sulfonamide Synthesis. <i>Synlett</i> , 0, 32, .	1.0	1
36	Synthesis of 5-(Hydroxymethyl)furfural (HMF). <i>Organic Syntheses</i> , 0, 93, 29-36.	1.0	10