

# 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	Hypervalent Iodine(III) Reagents with Transferable Primary Amines: Structure and Reactivity on the Electrophilic $\alpha$ -Amination of Stabilized Enolates. <i>Organic Letters</i> , 2022, 24, 776-781.	4.6	6
2	Tandem Thio $\mu$ -Michael Addition/Remote Lactone Activation of 5 $\alpha$ -Hydroxymethylfurfural $\mu$ -Derived $\gamma$ -Lactone $\mu$ -Fused Cyclopentenones. <i>ChemSusChem</i> , 2022, , e202102204.	6.8	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.	13.7	14
4	Efficient Amino $\mu$ -Sulfhydryl Stapling on Peptides and Proteins Using Bifunctional NHS $\mu$ -Activated Acrylamides. <i>Angewandte Chemie</i> , 2021, 133, 10945-10952.	2.0	3
5	Efficient Amino $\mu$ -Sulfhydryl Stapling on Peptides and Proteins Using Bifunctional NHS $\mu$ -Activated Acrylamides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10850-10857.	13.8	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.	3.2	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.	13.7	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.	1.9	5
9	Enantioselective Kinetic Resolution/Desymmetrization of <i>Para</i> -Quinols: A Case Study in Boronic $\mu$ -Acid $\mu$ -Directed Phosphoric Acid Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 295-301.	4.3	18
10	Securing a furan $\mu$ -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.	4.2	8
11	Predictive Multivariate Models for Bioorthogonal Inverse-Electron Demand Diels $\mu$ -Alder Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4235-4241.	13.7	30
12	Sequence Programming with Dynamic Boronic Acid/Catechol Binary Codes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14026-14031.	13.7	26
13	Solvent-Free Synthesis of 2,5Bis((dimethylamino)methylene)cyclopentanone. <i>Methods and Protocols</i> , 2019, 2, 69.	2.0	2
14	Hypervalent Iodine Mediated Sulfonamide Synthesis. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2695-2701.	2.4	13
15	Direct Conversion of Activated 5 $\alpha$ -Hydroxymethylfurfural into $\gamma$ -Lactone $\mu$ -Fused Cyclopentenones. <i>ChemSusChem</i> , 2019, 12, 420-425.	6.8	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.	3.2	32
17	Synthesis and Applications of Stenhouse Salts and Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 9170-9186.	3.3	61
18	Modern Approaches for Asymmetric Construction of Carbon $\mu$ -Fluorine Quaternary Stereogenic Centers: Synthetic Challenges and Pharmaceutical Needs. <i>Chemical Reviews</i> , 2018, 118, 3887-3964.	47.7	476

#	ARTICLE	IF	CITATIONS
19	Valorization of Oleuropein via Tunable Acid-Promoted Methanolysis. ChemSusChem, 2018, 11, 2300-2305.	6.8	9
20	Frontispiece: Synthesis and Applications of Stenhouse Salts and Derivatives. Chemistry - A European Journal, 2018, 24, .	3.3	0
21	Enantioselective fluorination of homoallylic alcohols enabled by the tuning of non-covalent interactions. Chemical Science, 2018, 9, 7153-7158.	7.4	30
22	Parametrization of Non-covalent Interactions for Transition State Interrogation Applied to Asymmetric Catalysis. Journal of the American Chemical Society, 2017, 139, 6803-6806.	13.7	87
23	Bifunctional Cr <sup>3+</sup> modified ion exchange resins as efficient reusable catalysts for the production and isolation of 5-hydroxymethylfurfural from glucose. RSC Advances, 2017, 7, 7555-7559.	3.6	29
24	Oxidation of 5-Chloromethylfurfural (CMF) to 2,5-Diformylfuran (DFF). Molecules, 2017, 22, 329.	3.8	9
25	Evaluating the toxicity of biomass derived platform chemicals. Green Chemistry, 2016, 18, 4733-4742.	9.0	32
26	Synthesis of Symmetric Bis( <i>N</i> -alkylaniline)triarylmethanes via Friedel-Crafts-Catalyzed Reaction between Secondary Anilines and Aldehydes. Journal of Organic Chemistry, 2015, 80, 10404-10411.	3.2	34
27	Trienamines derived from 5-substituted furfurals: remote $\mu$ -functionalization of 2,4-dienals. Organic and Biomolecular Chemistry, 2014, 12, 9324-9328.	2.8	22
28	An emerging platform from renewable resources: selection guidelines for human exposure of furfural-related compounds. Toxicology Research, 2014, 3, 311-314.	2.1	12
29	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
30	N-Heterocyclic Carbene Dirhodium(II) Complexes as Catalysts for Allylic and Benzylic Oxidations. European Journal of Organic Chemistry, 2013, 2013, 1471-1478.	2.4	19
31	Integrated Chemo-Enzymatic Production of 5-Hydroxymethylfurfural from Glucose. ChemSusChem, 2013, 6, 997-1000.	6.8	46
32	Fine Tuning of Dirhodium(II) Complexes: Exploring the Axial Modification. ACS Catalysis, 2012, 2, 370-383.	11.2	101
33	An Integrated Approach for the Production and Isolation of 5-Hydroxymethylfurfural from Carbohydrates. ChemSusChem, 2012, 5, 1388-1391.	6.8	83
34	Bringing an "Old" Biological Buffer to Coordination Chemistry: New 1D and 3D Coordination Polymers with [Cu <sub>4</sub> (Hbes) <sub>4</sub> ] Cores for Mild Hydrocarboxylation of Alkanes. Inorganic Chemistry, 2010, 49, 6390-6392.	4.0	77
35	PEG-Supported Hypervalent Iodine Reagent for Sulfonamide Synthesis. Synlett, 0, 32, .	1.8	1
36	Synthesis of 5-(Hydroxymethyl)furfural (HMF). Organic Syntheses, 0, 93, 29-36.	1.0	10