

# Joan Serrano-Plana

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19  
papers

649  
citations

13  
h-index

19  
g-index

19  
ext. papers

774  
ext. citations

11.6  
avg, IF

4.08  
L-index

#	Paper	IF	Citations
19	Double-walled design for tetrahedral cages. <i>Nature Chemistry</i> , <b>2021</b> , 13, 729	17.6	1
18	Enantioselective Hydroxylation of Benzylic C(sp)-H Bonds by an Artificial Iron Hydroxylase Based on the Biotin-Streptavidin Technology. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10617-10623	16.4	16
17	Catalytic O activation with synthetic models of $\alpha$ -ketoglutarate dependent oxygenases. <i>Chemical Communications</i> , <b>2020</b> , 56, 14369-14372	5.8	0
16	Spectroscopic and Reactivity Comparisons between Nonheme Oxoiron(IV) and Oxoiron(V) Species Bearing the Same Ancillary Ligand. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15078-15091	16.4	29
15	Artificial Metalloenzymes Based on the Biotin-Streptavidin Technology: Enzymatic Cascades and Directed Evolution. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 585-595	24.3	84
14	Spectroscopic and DFT Characterization of a Highly Reactive Nonheme Fe-Oxo Intermediate. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3916-3928	16.4	61
13	Preparation of a coordinatively saturated $\mu_2$ -peroxodicopper(II) compound. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 481, 166-170	2.7	0
12	Acid-Triggered O-O Bond Heterolysis of a Nonheme Fe (OOH) Species for the Stereospecific Hydroxylation of Strong C-H Bonds. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5331-5340	4.8	33
11	O-O Bond Activation in Cu- and Fe-Based Coordination Complexes: Breaking It Makes the Difference. <i>Advances in Inorganic Chemistry</i> , <b>2017</b> , 63-105	2.1	1
10	Nonclassical Single-State Reactivity of an Oxo-Iron(IV) Complex Confined to Triplet Pathways. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8939-8949	16.4	62
9	Evidence of a Sole Oxygen Atom Transfer Agent in Asymmetric Epoxidations with Fe-pdp Catalysts. <i>ACS Catalysis</i> , <b>2017</b> , 7, 5046-5053	13.1	27
8	Exceedingly Fast Oxygen Atom Transfer to Olefins via a Catalytically Competent Nonheme Iron Species. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6418-6422	3.6	16
7	Exceedingly Fast Oxygen Atom Transfer to Olefins via a Catalytically Competent Nonheme Iron Species. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6310-4	16.4	50
6	Structural and reactivity models for copper oxygenases: cooperative effects and novel reactivities. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2397-406	24.3	90
5	Design, Preparation, and Characterization of Zn and Cu Metallopeptides Based On Tetradentate Aminopyridine Ligands Showing Enhanced DNA Cleavage Activity. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10542-53 <sup>51</sup>	5.1	21
4	Trapping a Highly Reactive Nonheme Iron Intermediate That Oxygenates Strong C-H Bonds with Stereoretention. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15833-42	16.4	125
3	Selective ortho-hydroxylation-defluorination of 2-fluorophenolates with a bis( $\mu$ -oxo)dicopper(III) species. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9608-12	16.4	23

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|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 2 | Building complexity in O <sub>2</sub> -binding copper complexes. Site-selective metalation and intermolecular O <sub>2</sub> -binding at dicopper and heterometallic complexes derived from an unsymmetric ligand. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12929-38 | 5.1 | 7 |
| 1 | Selective Ortho-Hydroxylation/Defluorination of 2-Fluorophenolates with a Bis(Ebxo)dicopper(III) Species. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9762-9766                                                                                                          | 3.6 | 3 |