

# Natalia M Padiá

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,607  
citations

361413

20  
h-index

289244

40  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Hydrophobic Isoreticular Porous Metal-Organic Frameworks for the Capture of Harmful Volatile Organic Compounds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8290-8294.	13.8	264
2	A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 6726-6739.	13.7	148
3	Chemical Warfare Agents Detoxification Properties of Zirconium Metal-Organic Frameworks by Synergistic Incorporation of Nucleophilic and Basic Sites. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23967-23973.	8.0	100
4	Prussian Blue@MoS <sub>2</sub> Layer Composites as Highly Efficient Cathodes for Sodium- and Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1706125.	14.9	88
5	The Nugent Reagent: A Formidable Tool in Contemporary Radical and Organometallic Chemistry. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4567-4591.	2.4	74
6	Hydroxamate Titanium-Organic Frameworks and the Effect of Siderophore-Type Linkers over Their Photocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2019, 141, 13124-13133.	13.7	73
7	Chemical Engineering of Photoactivity in Heterometallic Titanium-Organic Frameworks by Metal Doping. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8453-8457.	13.8	72
8	<i>De novo</i> synthesis of mesoporous photoactive titanium(IV)-organic frameworks with MIL-100 topology. <i>Chemical Science</i> , 2019, 10, 4313-4321.	7.4	72
9	Serine-Selective Bioconjugation. <i>Journal of the American Chemical Society</i> , 2020, 142, 17236-17242.	13.7	58
10	Enantiodivergent Formation of C-P Bonds: Synthesis of P-Chiral Phosphines and Methylphosphonate Oligonucleotides. <i>Journal of the American Chemical Society</i> , 2020, 142, 5785-5792.	13.7	56
11	Study of the incorporation and release of the non-conventional half-sandwich ruthenium(ii) metallodrug RAPTA-C on a robust MOF. <i>Chemical Communications</i> , 2011, 47, 11751.	4.1	51
12	Effect of Linker Distribution in the Photocatalytic Activity of Multivariate Mesoporous Crystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 1798-1806.	13.7	45
13	Synthesis of (±)-Aureol by Bioinspired Rearrangements. <i>Journal of Organic Chemistry</i> , 2015, 80, 1866-1870.	3.2	42
14	Heterometallic Titanium-Organic Frameworks by Metal-Induced Dynamic Topological Transformations. <i>Journal of the American Chemical Society</i> , 2020, 142, 6638-6648.	13.7	40
15	Ti-Catalyzed Straightforward Synthesis of Exocyclic Allenes. <i>Chemistry - A European Journal</i> , 2014, 20, 801-810.	3.3	38
16	A P(V) platform for oligonucleotide synthesis. <i>Science</i> , 2021, 373, 1265-1270.	12.6	38
17	Heterometallic Titanium-Organic Frameworks as Dual-Metal Catalysts for Synergistic Non-buffered Hydrolysis of Nerve Agent Simulants. <i>CheM</i> , 2020, 6, 3118-3131.	11.7	37
18	Hydrogen Atom Donors: Recent Developments. <i>Topics in Current Chemistry</i> , 2011, 320, 93-120.	4.0	33

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19	Surface Functionalization of Metal-Organic Framework Crystals with Catechol Coatings for Enhanced Moisture Tolerance. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44641-44648.	8.0	33
20	Selective Reduction of Aromatic Ketones in Aqueous Medium Mediated by Ti(III)/Mn: A Revised Mechanism. <i>Journal of Organic Chemistry</i> , 2014, 79, 7672-7676.	3.2	20
21	Selective Implantation of Diamines for Cooperative Catalysis in Isoreticular Heterometallic Titanium-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11868-11873.	13.8	20
22	Unlocking mixed oxides with unprecedented stoichiometries from heterometallic metal-organic frameworks for the catalytic hydrogenation of CO <sub>2</sub> . <i>Chem Catalysis</i> , 2021, 1, 364-382.	6.1	18
23	Direct Visualization of Pyrrole Reactivity upon Confinement within a Cyclodextrin Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9179-9183.	13.8	16
24	Mild and Chemoselective Phosphorylation of Alcohols Using a $\hat{\text{T}}$ -Reagent. <i>Organic Letters</i> , 2021, 23, 9337-9342.	4.6	13
25	Diastereoselective Synthesis of ( $\hat{\text{A}}$ )-Ambrox by Titanium(III)-Catalyzed Radical Tandem Cyclization. <i>Synlett</i> , 2016, 27, 369-374.	1.8	12
26	Impact of Pore Size and Defects on the Selective Adsorption of Acetylene in Alkyne-Functionalized Nickel(II)-Pyrazolate-Based MOFs. <i>Chemistry - A European Journal</i> , 2021, 27, 11837-11844.	3.3	10
27	A highly porous interpenetrated MOF-5-type network based on bipyrazolate linkers. <i>CrystEngComm</i> , 2013, 15, 9352.	2.6	9
28	Chemical Engineering of Photoactivity in Heterometallic Titanium-Organic Frameworks by Metal Doping. <i>Angewandte Chemie</i> , 2018, 130, 8589-8593.	2.0	9
29	Dual removal and selective recovery of phosphate and an organophosphorus pesticide from water by a Zr-based metal-organic framework. <i>Materials Today Chemistry</i> , 2021, 22, 100596.	3.5	9
30	Permanent Porosity in Hydroxamate Titanium-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 21195-21199.	13.7	9
31	Zirconium Metal-Organic Polyhedra with Dual Behavior for Organophosphate Poisoning Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26501-26506.	8.0	9
32	CpTiCl <sub>2</sub> , an Improved Titanocene(III) Catalyst in Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5997-6001.	2.4	8
33	Ti-Catalyzed Synthesis of Exocyclic Allenes on Oxygen Heterocycles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 639-645.	2.4	5
34	Structural reorganization in a hydrogen-bonded organic framework. <i>New Journal of Chemistry</i> , 2018, 42, 16138-16143.	2.8	5
35	Direct Visualization of Pyrrole Reactivity upon Confinement within a Cyclodextrin Metal-Organic Framework. <i>Angewandte Chemie</i> , 2019, 131, 9277-9281.	2.0	5
36	Stereoselective Synthesis of Natural Products Promoted by Titanocene(III). <i>Studies in Natural Products Chemistry</i> , 2018, 55, 31-71.	1.8	2

#	ARTICLE	IF	CITATIONS
37	Surface Functionalization of Metal-Organic Frameworks for Improved Moisture Resistance. Journal of Visualized Experiments, 2018, , .	0.3	2
38	Heterometallic Titanium-Organic Frameworks as Dual Metal Catalysts for Synergistic Non-Buffered Hydrolysis of Nerve Agent Simulants. SSRN Electronic Journal, 0, , .	0.4	2
39	Selective Implantation of Diamines for Cooperative Catalysis in Isoreticular Heterometallic Titanium-Organic Frameworks. Angewandte Chemie, 2021, 133, 11975-11980.	2.0	1
40	Innentitelbild: Selective Implantation of Diamines for Cooperative Catalysis in Isoreticular Heterometallic Titanium-Organic Frameworks (Angew. Chem. 21/2021). Angewandte Chemie, 2021, 133, 11638-11638.	2.0	0