

# Francesco Zaccaria

## List of Publications by Year in descending order

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32  
papers

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citations

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Throughput Approach to Repurposing Olefin Polymerization Catalysts for Polymer Upcycling. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	5
2	Molecular Catalysis in "Green" Hydrogen Production. <i>Frontiers in Catalysis</i> , 2022, 2, .	1.8	5
3	Optimizing noble metals exploitation in water oxidation catalysis by their incorporation in layered double hydroxides. <i>Inorganica Chimica Acta</i> , 2021, 516, 120161.	1.2	7
4	Understanding the Deactivation Pathways of Iridium(III) Pyridine-Carboxiamide Catalysts for Formic Acid Dehydrogenation. <i>Chemistry - A European Journal</i> , 2021, 27, 2050-2064.	1.7	16
5	Chain Transfer to Solvent and Monomer in Early Transition Metal Catalyzed Olefin Polymerization: Mechanisms and Implications for Catalysis. <i>Catalysts</i> , 2021, 11, 215.	1.6	8
6	Methylaluminoxane's Molecular Cousin: A Well-defined and "Complete" Al-Activator for Molecular Olefin Polymerization Catalysts. <i>ACS Catalysis</i> , 2021, 11, 4464-4475.	5.5	26
7	Hafnium vs. Zirconium, the Perpetual Battle for Supremacy in Catalytic Olefin Polymerization: A Simple Matter of Electrophilicity?. <i>Polymers</i> , 2021, 13, 2621.	2.0	9
8	Substituent Effects on the Activity of Cp*Ir(pyridine-carboxylate) Water Oxidation Catalysts: Which Ligand Fragments Remain Coordinated to the Active Ir Centers?. <i>Organometallics</i> , 2021, 40, 3445-3453.	1.1	10
9	Hemi-metallocene Ti(IV) 1:3-allyl-type complexes: Structure, dynamics in solution and exploration of reactivity. <i>Inorganica Chimica Acta</i> , 2021, 527, 120565.	1.2	0
10	Molecular and Heterogenized Cp*Ir Water Oxidation Catalysts Bearing Glyphosate and Glyphosine as Ancillary and Anchoring Ligands. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 299-307.	1.0	8
11	Ion pairing in transition metal catalyzed olefin polymerization. <i>Advances in Organometallic Chemistry</i> , 2020, 73, 1-78.	0.5	28
12	On the Nature of the Lewis Acidic Sites in "TMA" Free-Phenol-Modified Methylaluminoxane. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1088-1095.	1.0	25
13	High-Throughput Experimentation in Olefin Polymerization Catalysis: Facing the Challenges of Miniaturization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13940-13947.	1.8	26
14	Molecular and heterogenized dinuclear Ir-Cp* water oxidation catalysts bearing EDTA or EDTMP as bridging and anchoring ligands. <i>Science Bulletin</i> , 2020, 65, 1614-1625.	4.3	15
15	Monitoring the Kinetics of Internal Donor Clean-up from Ziegler-Natta Catalytic Surfaces: An Integrated Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14245-14252.	1.5	8
16	Iridium-Doped Nanosized Zn-Al Layered Double Hydroxides as Efficient Water Oxidation Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32736-32745.	4.0	24
17	Ir- and Ru-doped layered double hydroxides as affordable heterogeneous catalysts for electrochemical water oxidation. <i>Dalton Transactions</i> , 2020, 49, 2468-2476.	1.6	29
18	Reactivity Trends of Lewis Acidic Sites in Methylaluminoxane and Some of Its Modifications. <i>Inorganic Chemistry</i> , 2020, 59, 5751-5759.	1.9	28

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19	The Mathematics of Ethylene Oligomerisation and Polymerisation. Topics in Catalysis, 2020, 63, 294-318.	1.3	16
20	Iridium Water Oxidation Catalysts Based on Pyridine- $\kappa$ -Carbene Alkyl-Substituted Ligands. ChemCatChem, 2019, 11, 5353-5361.	1.8	22
21	Separating Electronic from Steric Effects in Ethene/ $\alpha$ -Olefin Copolymerization: A Case Study on Octahedral [ONNO] Zr-Catalysts. Processes, 2019, 7, 384.	1.3	9
22	Extraction of Reliable Molecular Information from Diffusion NMR Spectroscopy: Hydrodynamic Volume or Molecular Mass?. Chemistry - A European Journal, 2019, 25, 9930-9937.	1.7	26
23	BHT-Modified MAO: Cage Size Estimation, Chemical Counting of Strongly Acidic Al Sites, and Activation of a Ti-Phosphinimide Precatalyst. ACS Catalysis, 2019, 9, 2996-3010.	5.5	26
24	From Mechanistic Investigation to Quantitative Prediction. , 2019, , 287-326.		4
25	Internal Donors in Ziegler-Natta Systems: is Reduction by AlR <sub>3</sub> a Requirement for Donor Clean-Up?. ChemCatChem, 2018, 10, 863-863.	1.8	1
26	Internal Donors in Ziegler-Natta Systems: is Reduction by AlR <sub>3</sub> a Requirement for Donor Clean-Up?. ChemCatChem, 2018, 10, 984-988.	1.8	21
27	Toluene and $\alpha$ -Olefins as Radical Scavengers: Direct NMR Evidence for Homolytic Chain Transfer Mechanism Leading to Benzyl and $\sigma$ -Dormant-Titanium Allyl Complexes. Organometallics, 2018, 37, 4189-4194.	1.1	13
28	Catalyst Mileage in Olefin Polymerization: The Peculiar Role of Toluene. Organometallics, 2018, 37, 2872-2879.	1.1	15
29	Accurate Prediction of Copolymerization Statistics in Molecular Olefin Polymerization Catalysis: The Role of Entropic, Electronic, and Steric Effects in Catalyst Comonomer Affinity. ACS Catalysis, 2017, 7, 1512-1519.	5.5	54
30	Backbone rearrangement during olefin capture as the rate limiting step in molecular olefin polymerization catalysis and its effect on comonomer affinity. Journal of Polymer Science Part A, 2017, 55, 2807-2814.	2.5	39
31	Chain Transfer to Solvent in Propene Polymerization with Ti Cp-phosphinimide Catalysts: Evidence for Chain Termination via Ti-C Bond Homolysis. ACS Catalysis, 2016, 6, 7989-7993.	5.5	31
32	A High-Throughput Approach to Repurposing Olefin Polymerization Catalysts for Polymer Upcycling. Angewandte Chemie, 0, , .	1.6	0