

# Osama El-Sepelgy

## List of Publications by Year in descending order

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23  
papers

1,224  
citations

567281

15  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brønsted Acid Catalyzed, Conjugate Addition of $\beta$ -Dicarbonyls to In Situ Generated <i>ortho</i> -Quinone Methides” Enantioselective Synthesis of 4-Aryl- <i>H</i> -Chromenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7923-7927.	13.8	259
2	Hydrogenation of $\text{CO}_2$ -Derived Carbonates and Polycarbonates to Methanol and Diols by Metal-Ligand Cooperative Manganese Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13439-13443.	13.8	147
3	Catalytic $\text{C}_{1\text{-alkylation}}$ with Methanol and Isotope-Labeled Methanol. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 775-779.	13.8	105
4	Highly Chemo- and Stereoselective Transfer Semihydrogenation of Alkynes Catalyzed by a Stable, Well-Defined Manganese(II) Complex. <i>ACS Catalysis</i> , 2018, 8, 4103-4109.	11.2	90
5	$\text{C}_{1\text{-alkylation}}$ of Secondary Alcohols by Primary Alcohols through Manganese-Catalyzed Double Hydrogen Autotransfer. <i>ChemSusChem</i> , 2019, 12, 3099-3102.	6.8	74
6	Merging Iron Catalysis and Biocatalysis” Iron Carbonyl Complexes as Efficient Hydrogen Autotransfer Catalysts in Dynamic Kinetic Resolutions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13602-13605.	13.8	71
7	Sustainable Alkylation of Nitriles with Alcohols by Manganese Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 7927-7935.	3.2	68
8	Sustainable Alkylation of Unactivated Esters and Amides with Alcohols Enabled by Manganese Catalysis. <i>Organic Letters</i> , 2018, 20, 7779-7783.	4.6	63
9	Sustainable Manganese-Catalyzed Solvent-Free Synthesis of Pyrroles from 1,4-Diols and Primary Amines. <i>Organic Letters</i> , 2019, 21, 70-74.	4.6	61
10	Manganese-Catalyzed Multicomponent Synthesis of Pyrroles through Acceptorless Dehydrogenation Hydrogen Autotransfer Catalysis: Experiment and Computation. <i>ChemSusChem</i> , 2019, 12, 3083-3088.	6.8	54
11	Cooperative Metal-Ligand Catalyzed Intramolecular Hydroamination and Hydroalkoxylation of Allenes Using a Stable Iron Catalyst. <i>Organic Letters</i> , 2018, 20, 696-699.	4.6	38
12	Hydrogenation of $\text{CO}_2$ -Derived Carbonates and Polycarbonates to Methanol and Diols by Metal-Ligand Cooperative Manganese Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 13627-13631.	2.0	36
13	Experimental and Computational Study of an Unexpected Iron-Catalyzed Carboetherification by Cooperative Metal and Ligand Substrate Interaction and Proton Shuttling. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14863-14867.	13.8	28
14	Asymmetric Chemoenzymatic Reductive Acylation of Ketones by a Combined Iron-Catalyzed Hydrogenation” Racemization and Enzymatic Resolution Cascade. <i>ChemSusChem</i> , 2017, 10, 1664-1668.	6.8	27
15	Catalytic $\text{C}_{1\text{-alkylation}}$ with Methanol and Isotope-Labeled Methanol. <i>Angewandte Chemie</i> , 2019, 131, 785-789.	2.0	27
16	Direct Aldol Reaction of Pyruvic Derivatives: Catalytic Attempt To Synthesize Ulosonic Acids. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2724-2727.	2.4	15
17	Catalytic Desaturation of Aliphatic Amides and Imides Enabled by Excited-State Base-Metal Catalysis. <i>ACS Catalysis</i> , 2022, 12, 8868-8876.	11.2	15
18	Reductive depolymerization of plastics catalyzed with transition metal complexes. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 32, 100547.	5.9	13

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19	Chemistry of Pyruvate Enolates: <i>anti</i> -selective Direct Aldol Reactions of Pyruvate Ester with Sugar Aldehydes Promoted by a Dinuclear Zinc Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2098-2104.	4.3	11
20	Synthesis and UV absorption of new conjugated quinoxaline 1,4-dioxide derivatives anticipated as tumor imaging and cytotoxic agents. <i>Monatshefte für Chemie</i> , 2010, 141, 1253-1262.	1.8	8
21	Biomimetic Direct Aldol Reaction of Pyruvate Esters with Chiral Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 281-286.	4.3	7
22	Conversion of racemic alcohols to optically pure amine precursors enabled by catalyst dynamic kinetic resolution: experiment and computation. <i>Chemical Communications</i> , 2020, 56, 9094-9097.	4.1	4
23	One-Pot New Synthetic Method for 3-Amino-2-quinoxalinecarbonitrile. <i>Synthetic Communications</i> , 2010, 40, 739-743.	2.1	3