

# Loris Lombardo

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

527  
citations

759233

12  
h-index

839539

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g-index

20  
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20  
docs citations

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times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Borohydride Oxidation Reaction on Nickel Catalyst with Anion and Cation Exchange Ionomer for High-Performance Direct Borohydride Fuel Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	8
2	Complex hydrides for CO <sub>2</sub> reduction. <i>MRS Bulletin</i> , 2022, 47, 424-431.	3.5	6
3	Unraveling and optimizing the metal-metal oxide synergistic effect in a highly active Co (CoO) <sub>1-x</sub> catalyst for CO <sub>2</sub> hydrogenation. <i>Journal of Energy Chemistry</i> , 2021, 53, 241-250.	12.9	32
4	Direct CO <sub>2</sub> Capture and Reduction to High-End Chemicals with Tetraalkylammonium Borohydrides. <i>Angewandte Chemie</i> , 2021, 133, 9666-9675.	2.0	2
5	Direct CO <sub>2</sub> Capture and Reduction to High-End Chemicals with Tetraalkylammonium Borohydrides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9580-9589.	13.8	28
6	Methanol production from CO <sub>2</sub> via an integrated, formamide-assisted approach. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1773-1779.	4.9	11
7	Imaging Catalysis: Operando Investigation of the CO <sub>2</sub> Hydrogenation Reaction Dynamics by Means of Infrared Thermography. <i>ACS Catalysis</i> , 2020, 10, 1721-1730.	11.2	14
8	A polymeric ionic liquid catalyst for the N-formylation and N-methylation of amines using CO <sub>2</sub> /PhSiH <sub>3</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 41, 101240.	6.8	28
9	Crystal Structural Investigations for Understanding the Hydrogen Storage Properties of YMgNi <sub>4</sub> -Based Alloys. <i>ACS Omega</i> , 2020, 5, 31192-31198.	3.5	22
10	Solvent- and Catalyst-Free Carbon Dioxide Capture and Reduction to Formate with Borohydride Ionic Liquid. <i>ChemSusChem</i> , 2020, 13, 2025-2031.	6.8	31
11	Interfacial Effect between Aluminum-Based Complex Hydrides and Nickel-Containing Porous Carbon Sheets. <i>ACS Applied Energy Materials</i> , 2020, 3, 9685-9695.	5.1	6
12	Study of borohydride ionic liquids as hydrogen storage materials. <i>Journal of Energy Chemistry</i> , 2019, 33, 17-21.	12.9	36
13	Complex hydrides for energy storage. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7860-7874.	7.1	123
14	Hydrogen storage properties of various carbon supported NaBH <sub>4</sub> prepared via metathesis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7108-7116.	7.1	37
15	Iron-Rich Natural Mineral Gibeon Meteorite Catalyzed N-Formylation of Amines using CO <sub>2</sub> as the C <sub>1</sub> Source. <i>ChemistrySelect</i> , 2018, 3, 10271-10276.	1.5	17
16	Single-step conversion of lignin monomers to phenol: Bridging the gap between lignin and high-value chemicals. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1445-1452.	14.0	81
17	Destabilizing sodium borohydride with an ionic liquid. <i>Materials Today Energy</i> , 2018, 9, 391-396.	4.7	10
18	A Gibeon meteorite yields a high-performance water oxidation electrocatalyst. <i>Energy and Environmental Science</i> , 2016, 9, 3448-3455.	30.8	35