

Alessandro Gallo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9425506/publications.pdf>

Version: 2024-02-01

59
papers

3,217
citations

159358

30
h-index

149479

56
g-index

60
all docs

60
docs citations

60
times ranked

5128
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of a Dynamic $\text{Y}_{2}\text{Ir}_{2}\text{O}_{7}$ Catalyst during the Oxygen Evolution Reaction in Acid. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1751-1760.	1.5	17
2	In Situ Studies of the Formation of MoP Catalysts and Their Structure under Reaction Conditions for Higher Alcohol Synthesis: The Role of Promoters and Mesoporous Supports. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5575-5583.	1.5	2
3	First-Row Transition Metal Antimonates for the Oxygen Reduction Reaction. <i>ACS Nano</i> , 2022, 16, 6334-6348.	7.3	23
4	Local Structure of Sulfur Vacancies on the Basal Plane of Monolayer MoS_{2} . <i>ACS Nano</i> , 2022, 16, 6725-6733.	7.3	17
5	Lithium-Mediated Electrochemical Nitrogen Reduction: Tracking Electrode-Electrolyte Interfaces via Time-Resolved Neutron Reflectometry. <i>ACS Energy Letters</i> , 2022, 7, 1939-1946.	8.8	20
6	Operando Study of Thermal Oxidation of Monolayer MoS_{2} . <i>Advanced Science</i> , 2021, 8, 2002768.	5.6	35
7	Isolating the Electrocatalytic Activity of a Confined NiFe Motif within Zirconium Phosphate. <i>Advanced Energy Materials</i> , 2021, 11, 2003545.	10.2	21
8	Origin of enhanced water oxidation activity in an iridium single atom anchored on NiFe oxyhydroxide catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	71
9	Understanding Selectivity in CO_{2} Hydrogenation to Methanol for MoP Nanoparticle Catalysts Using In Situ Techniques. <i>Catalysts</i> , 2021, 11, 143.	1.6	11
10	Tuning the electronic structure of Ag-Pd alloys to enhance performance for alkaline oxygen reduction. <i>Nature Communications</i> , 2021, 12, 620.	5.8	107
11	Resolving structures of transition metal complex reaction intermediates with femtosecond EXAFS. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2660-2666.	1.3	21
12	$\text{Ni}_{5}\text{Ga}_{3}$ catalysts for CO_{2} reduction to methanol: Exploring the role of Ga surface oxidation/reduction on catalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118369.	10.8	68
13	Understanding the Origin of Highly Selective CO_{2} Electroreduction to CO on Ni,N-doped Carbon Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4043-4050.	7.2	148
14	Acidic Oxygen Evolution Reaction Activity-Stability Relationships in Ru-Based Pyrochlores. <i>ACS Catalysis</i> , 2020, 10, 12182-12196.	5.5	111
15	Identifying and Tuning the In Situ Oxygen-Rich Surface of Molybdenum Nitride Electrocatalysts for Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 12433-12446.	2.5	17
16	Low-pressure methanol synthesis from CO_{2} over metal-promoted Ni-Ga intermetallic catalysts. <i>Journal of CO_{2} Utilization</i> , 2020, 39, 101151.	3.3	27
17	Nitride or Oxynitride? Elucidating the Composition-Activity Relationships in Molybdenum Nitride Electrocatalysts for the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2020, 32, 2946-2960.	3.2	57
18	Excited state charge distribution and bond expansion of ferrous complexes observed with femtosecond valence-to-core x-ray emission spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 152, 074203.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Enhanced Oxygen Reduction Activity on Silver-Palladium Alloyed Thin Film Electrocatalysts in Alkaline Media. ECS Meeting Abstracts, 2020, MA2020-02, 2397-2397.	0.0	0
20	Use of in Situ Synchrotron Techniques to Probe the Oxidized Surface of Molybdenum Nitride Oxygen Reduction Electrocatalysis. ECS Meeting Abstracts, 2020, MA2020-02, 3157-3157.	0.0	0
21	Precious Metal-Free Nickel Nitride Catalyst for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 26863-26871.	4.0	81
22	Soft X-ray spectroscopy with transition-edge sensors at Stanford Synchrotron Radiation Lightsource beamline 10-1. Review of Scientific Instruments, 2019, 90, 113101.	0.6	40
23	Tungstenocene-grafted silica catalysts for the selective epoxidation of alkenes. Applied Catalysis A: General, 2019, 581, 133-142.	2.2	25
24	Revealing the Synergy between Oxide and Alloy Phases on the Performance of Bimetallic In-Pd Catalysts for CO ₂ Hydrogenation to Methanol. ACS Catalysis, 2019, 9, 3399-3412.	5.5	173
25	Development of Molybdenum Phosphide Catalysts for Higher Alcohol Synthesis from Syngas by Exploiting Support and Promoter Effects. Energy Technology, 2019, 7, 1801102.	1.8	12
26	Identification of the active complex for CO oxidation over single-atom Ir-on-MgAl ₂ O ₄ catalysts. Nature Catalysis, 2019, 2, 149-156.	16.1	222
27	A high-throughput energy-dispersive tender X-ray spectrometer for shot-to-shot sulfur measurements. Journal of Synchrotron Radiation, 2019, 26, 629-634.	1.0	11
28	A Strong Support Effect in Selective Propane Dehydrogenation Catalyzed by Ga(<i>i</i> -Bu) ₃ Grafted onto γ -Alumina and Silica. ACS Catalysis, 2018, 8, 7566-7577.	5.5	79
29	A Highly Active Molybdenum Phosphide Catalyst for Methanol Synthesis from CO and CO ₂ . Angewandte Chemie - International Edition, 2018, 57, 15045-15050.	7.2	69
30	Uniform Pt/Pd Bimetallic Nanocrystals Demonstrate Platinum Effect on Palladium Methane Combustion Activity and Stability. ACS Catalysis, 2017, 7, 4372-4380.	5.5	124
31	High-Energy-Resolution X-ray Absorption Spectroscopy for Identification of Reactive Surface Species on Supported Single-Site Iridium Catalysts. Chemistry - A European Journal, 2017, 23, 14760-14768.	1.7	35
32	Systematic Structure-Property Relationship Studies in Palladium-Catalyzed Methane Complete Combustion. ACS Catalysis, 2017, 7, 7810-7821.	5.5	151
33	Effects of Gold Substrates on the Intrinsic and Extrinsic Activity of High-Loading Nickel-Based Oxyhydroxide Oxygen Evolution Catalysts. ACS Catalysis, 2017, 7, 5399-5409.	5.5	120
34	High-Energy-Resolution X-ray Absorption Spectroscopy for Identification of Reactive Surface Species on Supported Single-Site Iridium Catalysts. Chemistry - A European Journal, 2017, 23, 14669-14669.	1.7	0
35	Ligand Exchange-Mediated Activation and Stabilization of a Re-Based Olefin Metathesis Catalyst by Chlorinated Alumina. Journal of the American Chemical Society, 2016, 138, 12935-12947.	6.6	37
36	Tuning Composition and Activity of Cobalt Titanium Oxide Catalysts for the Oxygen Evolution Reaction. Electrochimica Acta, 2016, 193, 240-245.	2.6	26

#	ARTICLE	IF	CITATIONS
37	Hydrogen storage over metal-doped activated carbon. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7609-7616.	3.8	44
38	Selective Grafting of Ga(<i>i</i> - <i>i</i> Bu) ₃ on the Silanols of Mesoporous H-ZSM-5 by Surface Organometallic Chemistry. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26611-26619.	1.5	27
39	CoTiO _x Catalysts for the Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2015, 162, H841-H846.	1.3	14
40	Evidence of Facilitated Electron Transfer on Hydrogenated Self-doped TiO ₂ Nanocrystals. <i>ChemElectroChem</i> , 2014, 1, 1415-1421.	1.7	12
41	Tailored copper nanoparticles in ordered mesoporous KIT-6 silica: Preparation and application as catalysts in integrated system for NO removal with products of methanol decomposition. <i>Applied Catalysis A: General</i> , 2013, 464-465, 243-252.	2.2	20
42	Niobium-silica catalysts for the selective epoxidation of cyclic alkenes: the generation of the active site by grafting niobocene dichloride. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13354.	1.3	59
43	Niobium metallocenes deposited onto mesoporous silica via dry impregnation as catalysts for selective epoxidation of alkenes. <i>Journal of Catalysis</i> , 2013, 298, 77-83.	3.1	65
44	Nickel Catalysts Supported Over TiO ₂ , SiO ₂ and ZrO ₂ for the Steam Reforming of Glycerol. <i>ChemCatChem</i> , 2013, 5, 294-306.	1.8	79
45	Epoxidation with hydrogen peroxide of unsaturated fatty acid methyl esters over Nb(V)-silica catalysts. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 86-93.	1.0	43
46	Bimetallic heterogeneous catalysts for hydrogen production. <i>Catalysis Today</i> , 2012, 197, 190-205.	2.2	173
47	Effect of Nitrogen-Containing Impurities on the Activity of Perovskitic Catalysts for the Catalytic Combustion of Methane. <i>Inorganic Chemistry</i> , 2012, 51, 11680-11687.	1.9	3
48	Size controlled copper nanoparticles hosted in mesoporous silica matrix: Preparation and characterization. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 161-171.	10.8	22
49	Bimetallic Au-Pt/TiO ₂ photocatalysts active under UV-A and simulated sunlight for H ₂ production from ethanol. <i>Green Chemistry</i> , 2012, 14, 330-333.	4.6	104
50	H ₂ Production by Renewables Photoreforming on Pt-Au/TiO ₂ Catalysts Activated by Reduction. <i>ChemSusChem</i> , 2012, 5, 1800-1811.	3.6	102
51	Selective butadiene hydrogenation by Pd nanoparticles deposited onto nano-sized oxide supports by CVD of Pd-hexafluoroacetylacetonate. <i>Inorganica Chimica Acta</i> , 2012, 380, 216-222.	1.2	17
52	Optimization of the preparation procedure of cobalt modified silicas as catalysts in methanol decomposition. <i>Applied Catalysis A: General</i> , 2012, 417-418, 209-219.	2.2	25
53	Glycerol steam reforming for hydrogen production: Design of Ni supported catalysts. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 225-232.	10.8	165
54	Influence of reaction parameters on the activity of ruthenium based catalysts for glycerol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2012, 121-122, 40-49.	10.8	63

#	ARTICLE	IF	CITATIONS
55	Structure and catalytic activity of hosted in mesoporous silicas copper species: Effect of preparation procedure and support pore topology. <i>Applied Catalysis A: General</i> , 2011, 406, 13-21.	2.2	30
56	Single-site and nanosized Fe-Co electrocatalysts for oxygen reduction: Synthesis, characterization and catalytic performance. <i>Journal of Power Sources</i> , 2011, 196, 2519-2529.	4.0	99
57	Hydrogen Production by Glycerol Steam Reforming with Ru-based Catalysts: A Study on Sn Doping. <i>Chemical Vapor Deposition</i> , 2010, 16, 305-310.	1.4	21
58	Tailored supported metal nanoparticles by CVD: an easy and efficient scale-up by a rotary bed OMCVD device. <i>Journal of Materials Chemistry</i> , 2009, 19, 9030.	6.7	10
59	Catalytic dehydrogenation of propane over cluster-derived Ir-Sn/SiO ₂ catalysts. <i>Catalysis Letters</i> , 2006, 112, 89-95.	1.4	26