

Xavier Isidro Pereira-Hernández

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,763
citations

623734

14
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

4589
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomically Dispersed Dopants for Stabilizing Ceria Surface Area. Applied Catalysis B: Environmental, 2021, 284, 119722.	20.2	37
2	Recent advances in hybrid metal oxide–zeolite catalysts for low-temperature selective catalytic reduction of NO _x by ammonia. Applied Catalysis B: Environmental, 2021, 291, 120054.	20.2	78
3	Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. Angewandte Chemie, 2021, 133, 26258-26266.	2.0	7
4	Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. Angewandte Chemie - International Edition, 2021, 60, 26054-26062.	13.8	84
5	Engineering catalyst supports to stabilize PdO _x two-dimensional rafts for water-tolerant methane oxidation. Nature Catalysis, 2021, 4, 830-839.	34.4	86
6	Frontispiece: Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. Angewandte Chemie - International Edition, 2021, 60, .	13.8	1
7	Frontispiz: Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. Angewandte Chemie, 2021, 133, .	2.0	0
8	Liquid-phase hydrodeoxygenation of lignin-derived phenolics on Pd/Fe: A mechanistic study. Catalysis Today, 2020, 339, 305-311.	4.4	29
9	Reply to: "Pitfalls in identifying active catalyst species". Nature Communications, 2020, 11, 4574.	12.8	0
10	Elucidation of the Active Sites in Single-Atom Pd ₁ /CeO ₂ Catalysts for Low-Temperature CO Oxidation. ACS Catalysis, 2020, 10, 11356-11364.	11.2	123
11	Tuning Pt-CeO ₂ interactions by high-temperature vapor-phase synthesis for improved reducibility of lattice oxygen. Nature Communications, 2019, 10, 1358.	12.8	302
12	Stabilizing High Metal Loadings of Thermally Stable Platinum Single Atoms on an Industrial Catalyst Support. ACS Catalysis, 2019, 9, 3978-3990.	11.2	233
13	Steam reforming of simulated bio-oil on K-Ni-Cu-Mg-Ce-O/Al ₂ O ₃ : The effect of K. Catalysis Today, 2019, 323, 183-190.	4.4	19
14	Mechanistic understanding of methanol carbonylation: Interfacing homogeneous and heterogeneous catalysis via carbon supported Ir La. Journal of Catalysis, 2018, 361, 414-422.	6.2	28
15	Correlating DFT Calculations with CO Oxidation Reactivity on Ga-Doped Pt/CeO ₂ Single-Atom Catalysts. Journal of Physical Chemistry C, 2018, 122, 22460-22468.	3.1	91
16	Investigation of the promoting effect of Mn on a Pt/C catalyst for the steam and aqueous phase reforming of glycerol. Journal of Catalysis, 2017, 349, 75-83.	6.2	40
17	Designing Catalysts for Meeting the DOE 150 °C Challenge for Exhaust Emissions. Microscopy and Microanalysis, 2017, 23, 2028-2029.	0.4	4
18	Activation of surface lattice oxygen in single-atom Pt/CeO ₂ for low-temperature CO oxidation. Science, 2017, 358, 1419-1423.	12.6	1,114

#	ARTICLE	IF	CITATIONS
19	Thermally stable single-atom platinum-on-ceria catalysts via atom trapping. Science, 2016, 353, 150-154.	12.6	1,487