

Anne Sophie Mamede

List of Publications by Year in descending order

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53
papers

1,494
citations

279487

23
h-index

329751

37
g-index

53
all docs

53
docs citations

53
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition-Dependent Morphostructural Properties of Ni ²⁺ /Cu Oxide Nanoparticles Confined within the Channels of Ordered Mesoporous SBA-15 Silica. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3010-3025.	4.0	140
2	Acetalization of glycerol using mesoporous MoO ₃ /SiO ₂ solid acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2009, 310, 150-158.	4.8	135
3	Structural, textural and acid-base properties of carbonate-containing hydroxyapatites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11073-11090.	5.2	102
4	Operando resonance Raman spectroscopic characterisation of the oxidation state of palladium in Pd/γ-Al ₂ O ₃ catalysts during the combustion of methane. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4394-4401.	1.3	64
5	Highly productive iron molybdate mixed oxides and their relevant catalytic properties for direct synthesis of 1,1-dimethoxymethane from methanol. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 126-135.	10.8	63
6	Novel approach to rhenium oxide catalysts for selective oxidation of methanol to DMM. <i>Journal of Catalysis</i> , 2011, 279, 310-318.	3.1	50
7	Facile synthesis of highly dispersed and thermally stable copper-based nanoparticles supported on SBA-15 occluded with P123 surfactant for catalytic applications. <i>Journal of Catalysis</i> , 2016, 339, 270-283.	3.1	48
8	Hierarchical porous γ-MnO ₂ from perovskite precursor: Application to the formaldehyde total oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124146.	6.6	42
9	La _{1-x} (Sr, Na, K) _x MnO ₃ perovskites for HCHO oxidation: The role of oxygen species on the catalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119955.	10.8	42
10	Electrochemical Characterization and Quantified Surface Termination Obtained by Low Energy Ion Scattering and X-ray Photoelectron Spectroscopy of Orthorhombic and Rhombohedral LaMnO ₃ Powders. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12209-12217.	1.5	38
11	In situ characterization by Raman and IR vibrational spectroscopies on a single instrument: DeNO _x reaction over a Pd/γ-Al ₂ O ₃ catalyst. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4441-4444.	1.3	37
12	In situ Raman characterisation of surface modifications during NO transformation over automotive Pd-based exhaust catalysts. <i>Journal of Molecular Structure</i> , 2003, 651-653, 353-364.	1.8	34
13	Synergy between XANES Spectroscopy and DFT to Elucidate the Amorphous Structure of Heterogeneous Catalysts: TiO ₂ -Supported Molybdenum Oxide Catalysts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6440-6444.	7.2	34
14	XPS characterization of adsorbed reaction intermediates on automotive exhaust gas catalysts: NO and CO + NO interactions with Pd. <i>Surface and Interface Analysis</i> , 2002, 34, 105-111.	0.8	32
15	Nisin adsorption on hydrophilic and hydrophobic surfaces: evidence of its interactions and antibacterial activity. <i>Journal of Peptide Science</i> , 2013, 19, 377-385.	0.8	32
16	Effect of gradual reduction of graphene oxide on the CO tolerance of supported platinum nanoparticles. <i>Carbon</i> , 2017, 111, 849-858.	5.4	31
17	Selective adsorption of U(VI) from real mine water using an NH ₂ -functionalized silica packed column. <i>Chemical Engineering Journal</i> , 2021, 405, 126912.	6.6	31
18	Guerbet Reaction over Strontium-Substituted Hydroxyapatite Catalysts Prepared at Various (Ca+Sr)/P Ratios. <i>ChemCatChem</i> , 2017, 9, 2250-2261.	1.8	30

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19	CuO/CeO ₂ catalysts for glycerol selective conversion to lactic acid. Dalton Transactions, 2018, 47, 4572-4582.	1.6	29
20	Glycerol oxidation over gold supported catalysts – Two faces of sulphur based anchoring agent. Journal of Molecular Catalysis A, 2014, 382, 71-78.	4.8	27
21	A well-defined silica-supported dinuclear tungsten(iii) amido species: synthesis, characterization and reactivity. Dalton Transactions, 2007, , 3127-3130.	1.6	25
22	Rational preparation of Ag and Au bimetallic catalysts for the hydrocarbon-SCR of NO _x : Sequential deposition vs. coprecipitation method. Applied Catalysis B: Environmental, 2015, 162, 11-20.	10.8	25
23	Mesostructured CMK-3 carbon supported Ni-ZrO ₂ as catalysts for the hydrodeoxygenation of guaiacol. Microporous and Mesoporous Materials, 2020, 292, 109694.	2.2	25
24	Nisin-activated hydrophobic and hydrophilic surfaces: assessment of peptide adsorption and antibacterial activity against some food pathogens. Applied Microbiology and Biotechnology, 2013, 97, 10321-10328.	1.7	24
25	Study of nisin adsorption on plasma-treated polymer surfaces for setting up materials with antibacterial properties. Reactive and Functional Polymers, 2013, 73, 1473-1479.	2.0	23
26	Synthesis and multifaceted use of phosphorylated graphene oxide: growth of titanium dioxide clusters, interplay with gold nanoparticles and exfoliated sheets in bioplastics. Materials Chemistry Frontiers, 2019, 3, 242-250.	3.2	23
27	A Simple and Green Procedure to Prepare Efficient Manganese Oxide Nanopowder for the Low Temperature Removal of Formaldehyde. ChemCatChem, 2017, 9, 2366-2376.	1.8	22
28	Influence of the Oxidation State of Rhodium in Three-Way Catalysts on Their Catalytic Performances: An in situ FTIR and Catalytic Study. Topics in Catalysis, 2004, 30/31, 347-352.	1.3	21
29	Ethanol reactivity over La _{1-x} FeO ₃ perovskites. Applied Catalysis A: General, 2016, 511, 141-148.	2.2	21
30	Hydrodeoxygenation of guaiacol into cyclohexane over mesoporous silica supported Ni-ZrO ₂ catalyst. Microporous and Mesoporous Materials, 2020, 309, 110452.	2.2	20
31	Selective aqueous phase hydrogenation of xylose to xylitol over SiO ₂ -supported Ni and Ni-Fe catalysts: Benefits of promotion by Fe. Applied Catalysis B: Environmental, 2021, 298, 120564.	10.8	20
32	In situ Raman spectroscopy evidence of an accessible phase potentially involved in the enhanced activity of La-deficient lanthanum orthoferrite in 3-way catalysis (TWC). Catalysis Today, 2017, 283, 151-157.	2.2	18
33	Co ₃ O ₄ /rGO Catalysts for Oxygen Electrocatalysis: On the Role of the Oxide/Carbon Interaction. Journal of the Electrochemical Society, 2019, 166, H94-H102.	1.3	18
34	Influence of the strontium content on the performance of La _{1-x} Sr _x MnO ₃ /Bi _{1.5} Er _{0.5} O ₃ composite electrodes for low temperature Solid Oxide Fuel Cells. Journal of Power Sources, 2020, 450, 227649.	4.0	17
35	Oxide diffusion in innovative SOFC cathode materials. Faraday Discussions, 2014, 176, 31-47.	1.6	16
36	Amoxidation of allyl alcohol – a sustainable route to acrylonitrile. Green Chemistry, 2013, 15, 3015.	4.6	15

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37	Multitechnique characterisation of 304L surface states oxidised at high temperature in steam and air atmospheres. <i>Applied Surface Science</i> , 2016, 369, 510-519.	3.1	15
38	Surface Raman spectroscopic study of NO transformation over Pd-based catalysts. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4402.	1.3	14
39	Novel Synthesis of Gold Nanoparticles Supported on Alkyne-Functionalized Nanosilica. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24538-24547.	1.5	14
40	Effect of the nature of the precursor on the morphology of MoO ₃ thin films spin-coated on Si (100). <i>Thin Solid Films</i> , 2008, 516, 2904-2912.	0.8	10
41	Role of Promoters on the Acrolein Ammoxidation Performances of BiMoO ₆ . <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2016, 93, 431-443.	0.8	9
42	Mixed Ba _{1-x} La _x F _{2+x} fluoride materials as catalyst for the gas phase fluorination of 2-chloropyridine by HF. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 107-118.	10.8	9
43	Effect of the presence of ionic liquid during the NiMoS bulk preparation in the transformation of decanoic acid. <i>Applied Catalysis A: General</i> , 2017, 532, 120-132.	2.2	8
44	High surface area Mo ₂ Te ₂ Nb ₂ O ₁₀ catalysts: Preparation, characterization and catalytic behaviour in ammoxidation of propane. <i>Catalysis Today</i> , 2006, 112, 139-142.	2.2	7
45	TiO ₂ -anatase-supported oxorhenate catalysts prepared by oxidative redispersion of metal ReO ₄ for methanol conversion to methylal: A multi-technique in situ/operando study. <i>Comptes Rendus Chimie</i> , 2014, 17, 808-817.	0.2	7
46	WO ₃ and WO ₃ Nb ₂ O ₅ catalysts deactivation during hexane isomerization. <i>AIChE Journal</i> , 2008, 54, 1303-1312.	1.8	6
47	Combined ToF-SIMS and XPS characterization of 304L surface after interaction with caesium iodide under PWR severe accident conditions. <i>Applied Surface Science</i> , 2018, 459, 23-31.	3.1	6
48	LaFeO ₃ thin films as relevant models for the surface investigation of 3-way catalysts. <i>Surface and Interface Analysis</i> , 2018, 50, 1018-1024.	0.8	5
49	Preparation and characterization of Pd-Co/sulfated zirconia catalysts for no selective reduction by methane. <i>Catalysis Communications</i> , 2008, 9, 1096-1100.	1.6	4
50	Chemical stability of caesium iodide deposits in air/steam atmosphere. <i>Journal of Hazardous Materials</i> , 2021, 409, 124519.	6.5	3
51	Spin-coating of Mixed Citrate Complexes as a Versatile Route to Prepare Films of Transition Metal Multi-element Oxide Model Catalysts with Controlled Formulation and Crystalline Structure. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 745-752.	1.5	2
52	Structure and energetics of ZrC(100) c-ZrO ₂ (001) interface: A combination of experiments, finite temperature molecular dynamics, periodic DFT and atomistic thermodynamic modeling. <i>Ceramics International</i> , 2022, 48, 21327-21343.	2.3	1
53	Characterizing the ZrC(111)/c-ZrO ₂ (111) Hetero-Ceramic Interface: First Principles DFT and Atomistic Thermodynamic Modeling. <i>Molecules</i> , 2022, 27, 2954.	1.7	0