

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
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all docs

53
docs citations

53
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Chemical stability of caesium iodide deposits in air/steam atmosphere. <i>Journal of Hazardous Materials</i> , 2021, 409, 124519.	6.5	3
5	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
6	Selective aqueous phase hydrogenation of xylose to xylitol over SiO ₂ -supported Ni and Ni-Fe catalysts: Benefits of promotion by Fe. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120564.	10.8	20
7	Mesostructured CMK-3 carbon supported Ni@ZrO ₂ as catalysts for the hydrodeoxygenation of guaiacol. <i>Microporous and Mesoporous Materials</i> , 2020, 292, 109694.	2.2	25
8	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. <i>Journal of Power Sources</i> , 2020, 450, 227649.	4.0	17
9	Hydrodeoxygenation of guaiacol into cyclohexane over mesoporous silica supported Ni@ZrO ₂ catalyst. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110452.	2.2	20
10	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
11	Synthesis and multifaceted use of phosphorylated graphene oxide: growth of titanium dioxide clusters, interplay with gold nanoparticles and exfoliated sheets in bioplastics. <i>Materials Chemistry Frontiers</i> , 2019, 3, 242-250.	3.2	23
12	Co ₃ O ₄ /rGO Catalysts for Oxygen Electrocatalysis: On the Role of the Oxide/Carbon Interaction. <i>Journal of the Electrochemical Society</i> , 2019, 166, H94-H102.	1.3	18
13	CuO/CeO ₂ catalysts for glycerol selective conversion to lactic acid. <i>Dalton Transactions</i> , 2018, 47, 4572-4582.	1.6	29
14	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
15	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
16	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). <i>Catalysis Today</i> , 2017, 283, 151-157.	2.2	18
17	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
18	A Simple and Green Procedure to Prepare Efficient Manganese Oxide Nanopowder for the Low Temperature Removal of Formaldehyde. <i>ChemCatChem</i> , 2017, 9, 2366-2376.	1.8	22

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19	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
20	Guerbet Reaction over Strontium-Substituted Hydroxyapatite Catalysts Prepared at Various (Ca+Sr)/P Ratios. <i>ChemCatChem</i> , 2017, 9, 2250-2261.	1.8	30
21	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
22	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
23	Ethanol reactivity over La _{1+x} FeO _{3+δ} perovskites. <i>Applied Catalysis A: General</i> , 2016, 511, 141-148.	2.2	21
24	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
25	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
26	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
27	Rational preparation of Ag and Au bimetallic catalysts for the hydrocarbon-SCR of NO _x : Sequential deposition vs. coprecipitation method. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 11-20.	10.8	25
28	Oxide diffusion in innovative SOFC cathode materials. <i>Faraday Discussions</i> , 2014, 176, 31-47.	1.6	16
29	Glycerol oxidation over gold supported catalysts – Two faces of sulphur based anchoring agent. <i>Journal of Molecular Catalysis A</i> , 2014, 382, 71-78.	4.8	27
30	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
31	Structural, textural and acid-base properties of carbonate-containing hydroxyapatites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11073-11090.	5.2	102
32	Novel Synthesis of Gold Nanoparticles Supported on Alkyne-Functionalized Nanosilica. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24538-24547.	1.5	14
33	TiO ₂ -anatase-supported oxorhenate catalysts prepared by oxidative redispersion of metal ReO for methanol conversion to methylal: A multi-technique in situ/operando study. <i>Comptes Rendus Chimie</i> , 2014, 17, 808-817.	0.2	7
34	Study of nisin adsorption on plasma-treated polymer surfaces for setting up materials with antibacterial properties. <i>Reactive and Functional Polymers</i> , 2013, 73, 1473-1479.	2.0	23
35	Nisin-activated hydrophobic and hydrophilic surfaces: assessment of peptide adsorption and antibacterial activity against some food pathogens. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 10321-10328.	1.7	24
36	Ammoxidation of allyl alcohol – a sustainable route to acrylonitrile. <i>Green Chemistry</i> , 2013, 15, 3015.	4.6	15

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37	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
38	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
39	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
40	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
41	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
42	WO _x /CeO ₂ and WO _x /Nb ₂ O ₅ catalysts deactivation during hexane isomerization. <i>AIChE Journal</i> , 2008, 54, 1303-1312.	1.8	6
43	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
44	Preparation and characterization of Pd ⁰ /Co/sulfated zirconia catalysts for no selective reduction by methane. <i>Catalysis Communications</i> , 2008, 9, 1096-1100.	1.6	4
45	A well-defined silica-supported dinuclear tungsten(iii) amido species: synthesis, characterization and reactivity. <i>Dalton Transactions</i> , 2007, , 3127-3130.	1.6	25
46	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
47	High surface area Mo ⁰ /V ⁰ /Te ⁰ /Nb ⁰ /O catalysts: Preparation, characterization and catalytic behaviour in ammoxidation of propane. <i>Catalysis Today</i> , 2006, 112, 139-142.	2.2	7
48	Influence of the Oxidation State of Rhodium in Three-Way Catalysts on Their Catalytic Performances: An in situ FTIR and Catalytic Study. <i>Topics in Catalysis</i> , 2004, 30/31, 347-352.	1.3	21
49	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
50	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
51	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
52	Surface Raman spectroscopic study of NO transformation over Pd-based catalysts. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4402.	1.3	14
53	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