Antonio E Palomares

List of Publications by Year in Descending Order

73 papers	2,017 citations	26 h-index	42 g-index
76 ext. papers	2,242 ext. citations	8.3 avg, IF	4.96 L-index

#	Paper	IF	Citations
73	Zeolite-driven Ag species during redox treatments and catalytic implications for SCO of NH_3. *Journal of Materials Chemistry A*, **2021**, 9, 27448-27458	13	1
72	A Review on the Catalytic Hydrogenation of Bromate in Water Phase. *Catalysts*, **2021**, 11, 365	4	2
71	AgAu nanoclusters supported on zeolites: Structural dynamics during CO oxidation. *Catalysis Today*, **2021**, 384-386, 166-166	5.3	2
70	Catalytic Removal of Bromates from Water: A Hands-On Laboratory Experiment to Solve a Water Pollution Problem through Catalysis. *Journal of Chemical Education*, **2021**, 98, 1726-1731	2.4	2
69	Titanium-silicon ferrierites and their delaminated forms modified with copper as effective catalysts for low-temperature NH-SCR.. *RSC Advances*, **2021**, 11, 10847-10859	3.7	3
68	The Influence of the Support Nature and the Metal Precursor in the Activity of Pd-based Catalysts for the Bromate Reduction Reaction. *ChemCatChem*, **2021**, 13, 1230-1238	5.2	3
67	AgY zeolite as catalyst for the selective catalytic oxidation of NH_3. *Microporous and Mesoporous Materials*, **2021**, 323, 111230	5.3	3
66	Nature and evolution of Pd catalysts supported on activated carbon fibers during the catalytic reduction of bromate in water. *Catalysis Science and Technology*, **2020**, 10, 3646-3653	5.5	4
65	MCM-22, MCM-36, and ITQ-2 Zeolites with Different Si/Al Molar Ratios as Effective Catalysts of Methanol and Ethanol Dehydration. *Materials*, **2020**, 13,	3.5	10
64	Silver exchanged zeolites as bactericidal additives in polymeric materials. *Microporous and Mesoporous Materials*, **2020**, 305, 110367	5.3	7
63	The Influence of the Support on the Activity of MnFe Catalysts Used for the Selective Catalytic Reduction of NOx with Ammonia. *Catalysts*, **2020**, 10, 63	4	6
62	Catalytic oxidation of organic sulfides by H_2O_2 in the presence of titanosilicate zeolites. *Microporous and Mesoporous Materials*, **2020**, 302, 110219	5.3	11
61	Evaluation of the silver species nature in Ag-ITQ2 zeolites by the CO oxidation reaction. *Catalysis Today*, **2020**, 345, 22-26	5.3	6
60	Ferrierite and Its Delaminated Forms Modified with Copper as Effective Catalysts for NH-SCO Process. *Materials*, **2020**, 13,	3.5	4
59	Ferrierite and Its Delaminated and Silica-Intercalated Forms Modified with Copper as Effective Catalysts for NH_3-SCR Process. *Catalysts*, **2020**, 10, 734	4	12
58	Ce-modified zeolite BEA catalysts for the trichloroethylene oxidation. The role of the different and necessary active sites. *Applied Catalysis B: Environmental*, **2019**, 259, 118022	21.8	16
57	Oxidative Degradation of Trichloroethylene over Fe_2O_3-doped Mayenite: Chlorine Poisoning Mitigation and Improved Catalytic Performance. *Catalysts*, **2019**, 9, 747	4	7

56	Influence of the synthesis method on the catalytic activity of mayenite for the oxidation of gas-phase trichloroethylene. *Scientific Reports*, **2019**, 9, 425	4.9	7
55	A Novel Synthetic Route to Prepare High Surface Area Mayenite Catalyst for TCE Oxidation. *Catalysts*, **2019**, 9, 27	4	11
54	An in situ XAS study of the activation of precursor-dependent Pd nanoparticles. *Physical Chemistry Chemical Physics*, **2018**, 20, 12700-12709	3.6	15
53	Functional Ag-Exchanged Zeolites as Biocide Agents. *ChemistrySelect*, **2018**, 3, 4676-4682	1.8	6
52	Selective catalytic reduction of nitric oxide with ammonia over Fe-Cu modified highly silicated zeolites. *Solid State Sciences*, **2018**, 84, 75-85	3.4	12
51	Ag-zeolites as fungicidal material: Control of citrus green mold caused by Penicillium digitatum. *Microporous and Mesoporous Materials*, **2017**, 254, 69-76	5.3	19
50	Evidence of a Cu2+Alkane Interaction in Cu-Zeolite Catalysts Crucial for the Selective Catalytic Reduction of NOx with Hydrocarbons. *ACS Catalysis*, **2017**, 7, 3501-3509	13.1	20
49	Cu and Co modified beta zeolite catalysts for the trichloroethylene oxidation. *Applied Catalysis B: Environmental*, **2016**, 187, 90-97	21.8	68
48	Cu and Fe modified derivatives of 2D MWW-type zeolites (MCM-22, ITQ-2 and MCM-36) as new catalysts for DeNOx process. *Applied Catalysis B: Environmental*, **2015**, 168-169, 531-539	21.8	47
47	Preparation of layered double hydroxide/chlorophyll a hybrid nano-antennae: a key step. *Dalton Transactions*, **2014**, 43, 10521-8	4.3	15
46	Study of propane oxidation on Cu-zeolite catalysts by in-situ EPR and IR spectroscopies. *Catalysis Today*, **2014**, 227, 123-129	5.3	24
45	The use of Pd catalysts on carbon-based structured materials for the catalytic hydrogenation of bromates in different types of water. *Applied Catalysis B: Environmental*, **2014**, 146, 186-191	21.8	30
44	Efficient reduction of bromates using carbon nanofibre supported catalysts: Experimental and a comparative life cycle assessment study. *Chemical Engineering Journal*, **2014**, 248, 230-241	14.7	32
43	The oxidation of trichloroethylene over different mixed oxides derived from hydrotalcites. *Applied Catalysis B: Environmental*, **2014**, 160-161, 129-134	21.8	30
42	Multifunctional catalyst for maximizing NOx oxidation/storage/reduction: The role of the different active sites. *Applied Catalysis B: Environmental*, **2013**, 142-143, 795-800	21.8	13
41	Nanostructured Catalysts for the Continuous Reduction of Nitrates and Bromates in Water. *Industrial & Engineering Chemistry Research*, **2013**, 52, 13930-13937	3.9	20
40	Cu Mixed Oxides Based on Hydrotalcite-Like Compounds for the Oxidation of Trichloroethylene. *Industrial & Engineering Chemistry Research*, **2013**, 52, 15772-15779	3.9	27
39	NOx storage/reduction catalysts based on Mg/Zn/Al/Fe hydrotalcite-like materials. *Chemical Engineering Journal*, **2013**, 231, 273-280	14.7	15

38	Catalytic abatement of trichloroethylene over Mo and/or W-based bronzes. *Applied Catalysis B: Environmental*, **2013**, 130-131, 36-43	21.8	19
37	Bromate catalytic reduction in continuous mode using metal catalysts supported on monoliths coated with carbon nanofibers. *Chemical Engineering Journal*, **2013**, 230, 605-611	14.7	45
36	A new metal exchanged zeolite for a present environmental problem. An in-situ XAS study. *Journal of Physics: Conference Series*, **2013**, 430, 012055	0.3	
35	A short review about NOx storage-reduction catalysts based on metal oxides and hydrotalcite-type anionic clays. *Acta Geodynamica Et Geomaterialia*, **2013**, 175-186	1	2
34	NOx selective catalytic reduction at high temperatures with mixed oxides derived from layered double hydroxides. *Catalysis Today*, **2012**, 191, 47-51	5.3	8
33	TNU-9, a new zeolite for the selective catalytic reduction of NO: An in situ X-ray absorption spectroscopy study. *Journal of Catalysis*, **2012**, 295, 22-30	7.3	12
32	Integrating sustainable development in chemical engineering education: the application of an environmental management system. *Chemistry Education Research and Practice*, **2012**, 13, 128-134	2.1	5
31	Cu-SSZ-39, an active and hydrothermally stable catalyst for the selective catalytic reduction of NOx. *Chemical Communications*, **2012**, 48, 8264-6	5.8	169
30	Copper sites in zeolites - quantitative IR studies. *Microporous and Mesoporous Materials*, **2012**, 162, 175-180	5.9	30
29	Characterization of (Sn and Cu)/Pd catalysts for the nitrate reduction in natural water. *Applied Catalysis A: General*, **2012**, 425-426, 145-152	5.1	24
28	Structured fibrous carbon-based catalysts for continuous nitrate removal from natural water. *Applied Catalysis B: Environmental*, **2012**, 123-124, 221-228	21.8	26
27	CuNi/Al hydrotalcites synthesized in presence of microwave irradiation. *Materials Letters*, **2011**, 65, 1663-1665	3.3	25
26	Determining the characteristics of a Co-zeolite to be active for the selective catalytic reduction of NOx with hydrocarbons. *Catalysis Today*, **2011**, 176, 239-241	5.3	16
25	A study of different supports for the catalytic reduction of nitrates from natural water with a continuous reactor. *Catalysis Today*, **2011**, 172, 90-94	5.3	28
24	Simulation of catalytic reduction of nitrates based on a mechanistic model. *Chemical Engineering Journal*, **2011**, 175, 458-467	14.7	16
23	Nitrates removal from polluted aquifers using (Sn or Cu)/Pd catalysts in a continuous reactor. *Catalysis Today*, **2010**, 149, 348-351	5.3	53
22	Active Catalysts for the NO x Reduction in a FCC unit. *Topics in Catalysis*, **2009**, 52, 1060-1064	2.3	5
21	NOx storage/reduction catalysts based in cobalt/copper hydrotalcites. *Catalysis Today*, **2008**, 137, 261-266	5.3	41

20	Catalysts based on tin and beta zeolite for the reduction of NOx under lean conditions in the presence of water. *Applied Catalysis B: Environmental*, **2007**, 75, 88-94	21.8	19
19	Using the memory effect of hydrotalcites for improving the catalytic reduction of nitrates in water. *Journal of Catalysis*, **2004**, 221, 62-66	7.3	110
18	Catalytic reduction of nitrates in natural water: is this a realistic objective?. *Journal of Catalysis*, **2004**, 227, 561-562	7.3	15
17	Denitrification of natural water on supported Pd/Cu catalysts. *Applied Catalysis B: Environmental*, **2003**, 41, 3-13	21.8	74
16	Co-Exchanged IM5, a Stable Zeolite for the Selective Catalytic Reduction of NO in the Presence of Water and SO2. *Industrial & Engineering Chemistry Research*, **2003**, 42, 1538-1542	3.9	14
15	A new active zeolite structure for the selective catalytic reduction (SCR) of nitrogen oxides: ITQ7 zeolite: The influence of NO2 on this reaction. *Catalysis Today*, **2002**, 75, 367-371	5.3	7
14	EXFAS electron spectroscopy as a new tool of local characterisation of copper in Cu-Beta zeolite. *Solid State Sciences*, **2001**, 3, 637-640	3.4	1
13	Characterisation of the active copper species for the NOx removal on Cu/Mg/Al mixed oxides derived from hydrotalcites: an in situ XPS/XAES study. *Journal of Materials Chemistry*, **2001**, 11, 1675-1680		34
12	On the researching of a new zeolite structure for the selective catalytic reduction of NO: The possibilities of Cu-exchanged IM5. *Journal of Molecular Catalysis A*, **2000**, 162, 175-189		44
11	Sorption of methanol in alkali exchanged zeolites. *Studies in Surface Science and Catalysis*, **2000**, 130, 2957-2962	1.8	
10	Interaction of Methanol with Alkali Metal Exchanged Molecular Sieves. 1. IR Spectroscopic Study. *Journal of Physical Chemistry B*, **2000**, 104, 8624-8630	3.4	57
9	Reactivity in the removal of SO2 and NOx on Co/Mg/Al mixed oxides derived from hydrotalcites. *Applied Catalysis B: Environmental*, **1999**, 20, 257-266	21.8	92
8	A comparative study on the activity of metal exchanged MCM22 zeolite in the selective catalytic reduction of NOx. *Research on Chemical Intermediates*, **1998**, 24, 613-623	2.8	22
7	Alkylation of Toluene over Basic CatalystsKey Requirements for Side Chain Alkylation. *Journal of Catalysis*, **1998**, 180, 56-65	7.3	86
6	Selective catalytic reduction of NOx on Cu-beta zeolites. *Applied Catalysis B: Environmental*, **1997**, 11, 233-242	21.8	83
5	Selective Alkylation of Toluene over Basic Zeolites: Anin SituInfrared Spectroscopic Investigation. *Journal of Catalysis*, **1997**, 168, 442-449	7.3	76
4	Determining the Nature of the Active Sites of Cu-Beta Zeolites for the Selective Catalytic Reduction (SCR) of NOxby Using a Coupled Reaction-XAES/XPS Study. *Journal of Catalysis*, **1997**, 170, 132-139	7.3	70
3	Simultaneous Catalytic Removal of SOxand NOxwith Hydrotalcite-Derived Mixed Oxides Containing Copper, and Their Possibilities to Be Used in FCC Units. *Journal of Catalysis*, **1997**, 170, 140-149	7.3	96

2	Hydrotalcite-derived mixed oxides containing copper: catalysts for the removal of nitric oxide. *Journal of the Chemical Society, Faraday Transactions*, **1996**, 92, 4331		38
1	Optimization of SOx additives of FCC catalysts based on MgO-Al2O3 mixed oxides produced from hydrotalcites. *Applied Catalysis B: Environmental*, **1994**, 4, 29-43	21.8	44