

Asier Aranzabal

List of Publications by Year in descending order

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38
papers

2,125
citations

257101

24
h-index

344852

36
g-index

38
all docs

38
docs citations

38
times ranked

1880
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic pyrolysis of plastic wastes with two different types of catalysts: ZSM-5 zeolite and Red Mud. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 211-219.	10.8	356
2	Activity and product distribution of alumina supported platinum and palladium catalysts in the gas-phase oxidative decomposition of chlorinated hydrocarbons. <i>Applied Catalysis B: Environmental</i> , 1998, 19, 189-197.	10.8	135
3	Enhancement of the catalytic oxidation of hydrogen-lean chlorinated VOCs in the presence of hydrogen-supplying compounds. <i>Applied Catalysis B: Environmental</i> , 2000, 24, 33-43.	10.8	132
4	Evaluation of H-type zeolites in the destructive oxidation of chlorinated volatile organic compounds. <i>Applied Catalysis B: Environmental</i> , 2000, 24, 233-242.	10.8	120
5	Enhanced activity of zeolites by chemical dealumination for chlorinated VOC abatement. <i>Applied Catalysis B: Environmental</i> , 2003, 41, 31-42.	10.8	120
6	Catalytic oxidation of trichloroethylene over Fe-ZSM-5: Influence of the preparation method on the iron species and the catalytic behavior. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 210-218.	10.8	101
7	Comparative study of the oxidative decomposition of trichloroethylene over H-type zeolites under dry and humid conditions. <i>Applied Catalysis B: Environmental</i> , 2001, 30, 303-313.	10.8	97
8	Stability of protonic zeolites in the catalytic oxidation of chlorinated VOCs (1,2-dichloroethane). <i>Applied Catalysis B: Environmental</i> , 2009, 88, 533-541.	10.8	95
9	Kinetics of the Low-Temperature WGS Reaction over a CuO/ZnO/Al ₂ O ₃ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 41-50.	1.8	90
10	State of the art in catalytic oxidation of chlorinated volatile organic compounds. <i>Chemical Papers</i> , 2014, 68, .	1.0	85
11	Performance of zeolites and product selectivity in the gas-phase oxidation of 1,2-dichloroethane. <i>Catalysis Today</i> , 2000, 62, 367-377.	2.2	83
12	Deactivation of H-zeolites during catalytic oxidation of trichloroethylene. <i>Journal of Catalysis</i> , 2012, 296, 165-174.	3.1	70
13	Optimization of process parameters on the extrusion of honeycomb shaped monolith of H-ZSM-5 zeolite. <i>Chemical Engineering Journal</i> , 2010, 162, 415-423.	6.6	57
14	Synthesis of cordierite monolithic honeycomb by solid state reaction of precursor oxides. <i>Journal of Materials Science</i> , 1999, 34, 1999-2002.	1.7	52
15	The reaction pathway and kinetic mechanism of the catalytic oxidation of gaseous lean TCE on Pd/alumina catalysts. <i>Journal of Catalysis</i> , 2003, 214, 130-135.	3.1	47
16	Tailoring dual redox-acid functionalities in VO _x /TiO ₂ /ZSM5 catalyst for simultaneous abatement of PCDD/Fs and NO _x from municipal solid waste incineration. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 310-318.	10.8	47
17	Metal-loaded ZSM5 zeolites for catalytic purification of dioxin/furans and NO containing exhaust gases from MWI plants: Effect of different metal cations. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 238-245.	10.8	43
18	Kinetics of Pd/alumina catalysed 1,2-dichloroethane gas-phase oxidation. <i>Chemical Engineering Science</i> , 2006, 61, 3564-3576.	1.9	41

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19	Role of surface vanadium oxide coverage support on titania for the simultaneous removal of o-dichlorobenzene and NO _x from waste incinerator flue gas. <i>Catalysis Today</i> , 2015, 254, 2-11.	2.2	39
20	Catalytic activity of regenerated catalyst after the oxidation of 1,2-dichloroethane and trichloroethylene. <i>Chemical Engineering Journal</i> , 2014, 241, 200-206.	6.6	36
21	Effect of vanadia loading on acidic and redox properties of VO _x /TiO ₂ for the simultaneous abatement of PCDD/Fs and NO _x . <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 440-450.	2.9	36
22	Strategies to enhance the stability of h-bea zeolite in the catalytic oxidation of Cl-VOCs: 1,2-Dichloroethane. <i>Catalysis Today</i> , 2013, 213, 192-197.	2.2	31
23	Catalytic oxidation of trichloroethylene over Fe-zeolites. <i>Catalysis Today</i> , 2011, 176, 357-360.	2.2	30
24	Bimodal effect of water on V ₂ O ₅ /TiO ₂ catalysts with different vanadium species in the simultaneous NO reduction and 1,2-dichlorobenzene oxidation. <i>Chemical Engineering Journal</i> , 2021, 417, 129013.	6.6	29
25	On the effect of reduction and ageing on the TWC activity of Pd/Ce _{0.68} Zr _{0.32} O ₂ under simulated automotive exhausts. <i>Catalysis Today</i> , 2012, 180, 88-95.	2.2	25
26	Influence of the washcoat characteristics on NH ₃ -SCR behavior of Cu-zeolite monoliths. <i>Catalysis Today</i> , 2013, 216, 82-89.	2.2	22
27	Screening of Fe-Cu-Zeolites Prepared by Different Methodology for Application in NSR-SCR Combined DeNO _x Systems. <i>Topics in Catalysis</i> , 2013, 56, 215-221.	1.3	17
28	Kinetics of the Catalytic Oxidation of Lean Trichloroethylene in Air over Pd/Alumina. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 6007-6011.	1.8	16
29	Team formation on the basis of Belbin's roles to enhance students' performance in project based learning. <i>Education for Chemical Engineers</i> , 2022, 38, 22-37.	2.8	14
30	The effect of deactivation of H ₂ zeolites on product selectivity in the oxidation of chlorinated VOCs (trichloroethylene). <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 318-326.	1.6	13
31	Deep catalytic oxidation of chlorinated VOC mixtures from groundwater stripping emissions. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 1229-1234.	1.5	12
32	Monitoring questionnaires to ensure positive interdependence and individual accountability in a chemical process synthesis following collaborative PBL approach. <i>Education for Chemical Engineers</i> , 2019, 26, 58-66.	2.8	12
33	Catalytic behaviour of H-type zeolites in the decomposition of chlorinated VOCs. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 893-898.	1.5	9
34	Effect of preparation procedure and composition of catalysts based on Mn and Ce oxides in the simultaneous removal of NO _x and o-DCB. <i>Molecular Catalysis</i> , 2020, 495, 111152.	1.0	7
35	Optimization of inlet temperature for deactivating LTWGS reactor performance. <i>AIChE Journal</i> , 2005, 51, 2016-2023.	1.8	3
36	Project Based Learning approach to teach gas and steam power systems. @tic: <i>Revista D'Innovació Educativa</i> , 2014, .	0.3	3

#	ARTICLE	IF	CITATIONS
37	Catalytic Oxidation of Volatile Organic Compounds: Chlorinated Hydrocarbons. , 2014, , 91-131.		0
38	Alternative Catalytic Formulations for Simultaneous NH3-SCR and PCDD/Fs Oxidation. , 0, , .		0