

Jean-François Lamonier

List of Publications by Year in descending order

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134
papers

5,730
citations

61984

43
h-index

88630

70
g-index

135
all docs

135
docs citations

135
times ranked

5486
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyapatite, a multifunctional material for air, water and soil pollution control: A review. Journal of Hazardous Materials, 2020, 383, 121139.	12.4	285
2	Formaldehyde: Catalytic Oxidation as a Promising Soft Way of Elimination. ChemSusChem, 2013, 6, 578-592.	6.8	214
3	Total Oxidation of Formaldehyde over MnO ₂ -CeO ₂ Catalysts: The Effect of Acid Treatment. ACS Catalysis, 2015, 5, 2260-2269.	11.2	199
4	Influence of the preparation method on the activity of copper-manganese oxides for toluene total oxidation. Applied Catalysis B: Environmental, 2018, 223, 154-166.	20.2	196
5	From waste Coca Cola® to activated carbons with impressive capabilities for CO ₂ adsorption and supercapacitors. Carbon, 2017, 116, 490-499.	10.3	188
6	Catalytic activity of copper and palladium based catalysts for toluene total oxidation. Catalysis Today, 2007, 119, 317-320.	4.4	181
7	Capture of formaldehyde by adsorption on nanoporous materials. Journal of Hazardous Materials, 2015, 300, 711-717.	12.4	129
8	Oxidative coupling of methane catalyzed by rare earth oxides. Applied Catalysis A: General, 2003, 245, 209-220.	4.3	120
9	New Pd/hierarchical macro-mesoporous ZrO ₂ , TiO ₂ and ZrO ₂ -TiO ₂ catalysts for VOCs total oxidation. Applied Catalysis A: General, 2006, 310, 61-69.	4.3	120
10	Studies of the activation process over Pd perovskite-type oxides used for catalytic oxidation of toluene. Applied Catalysis B: Environmental, 2007, 75, 157-166.	20.2	120
11	Promotional effect of gold added to palladium supported on a new mesoporous TiO ₂ for total oxidation of volatile organic compounds. Catalysis Today, 2007, 122, 391-396.	4.4	116
12	Total oxidation of propene and toluene in the presence of zirconia doped by copper and yttrium. Applied Catalysis B: Environmental, 2003, 43, 261-271.	20.2	112
13	Characterisation of Mg/Al hydrotalcite with interlayer palladium complex for catalytic oxidation of toluene. Applied Catalysis A: General, 2002, 234, 91-101.	4.3	109
14	Structural, textural and acid-base properties of carbonate-containing hydroxyapatites. Journal of Materials Chemistry A, 2014, 2, 11073-11090.	10.3	102
15	Influence of the exchanged cation in Pd/BEA and Pd/FAU zeolites for catalytic oxidation of VOCs. Applied Catalysis B: Environmental, 2007, 70, 377-383.	20.2	100
16	Noble-Metal-Based Catalysts Supported on Zeolites and Macro-Mesoporous Metal Oxide Supports for the Total Oxidation of Volatile Organic Compounds. ChemSusChem, 2011, 4, 1420-1430.	6.8	99
17	The Use of Zeolites for VOCs Abatement by Combining Non-Thermal Plasma, Adsorption, and/or Catalysis: A Review. Catalysts, 2019, 9, 98.	3.5	99
18	Removal of oxygenated volatile organic compounds by catalytic oxidation over Zr-Ce-Mn catalysts. Journal of Hazardous Materials, 2011, 188, 422-427.	12.4	97

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19	Additional effects of cobalt precursor and zirconia support modifications for the design of efficient VOC oxidation catalysts. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 393-399.	20.2	92
20	Transformation of tetragonal zirconia phase to monoclinic phase in the presence of Fe ³⁺ ions as probes: an EPR study. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4975-4980.	2.8	85
21	Nanostructured macro-mesoporous zirconia impregnated by noble metal for catalytic total oxidation of toluene. <i>Catalysis Today</i> , 2008, 137, 335-339.	4.4	84
22	Catalytic Removal of Toluene in Air over Co-Mn-Al Nano-oxides Synthesized by Hydrothermal Route. <i>Catalysis Letters</i> , 2007, 118, 165-172.	2.6	83
23	Effects of β -cyclodextrin introduction to zirconia supported-cobalt oxide catalysts: From molecule-ion associations to complete oxidation of formaldehyde. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 381-390.	20.2	82
24	Post plasma-catalysis for total oxidation of trichloroethylene over Ce-Mn based oxides synthesized by a modified redox-precipitation route. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 65-72.	20.2	80
25	Formaldehyde total oxidation over mesoporous MnOx catalysts. <i>Catalysis Today</i> , 2011, 176, 277-280.	4.4	77
26	Washcoating of cordierite honeycomb with Ce-Zr-Mn mixed oxides for VOC catalytic oxidation. <i>Chemical Engineering Journal</i> , 2013, 223, 536-546.	12.7	75
27	Reactivity of ethanol over hydroxyapatite-based Ca-enriched catalysts with various carbonate contents. <i>Catalysis Science and Technology</i> , 2015, 5, 2994-3006.	4.1	72
28	HMS mesoporous silica as cobalt support for the Fischer-Tropsch Synthesis: Pretreatment, cobalt loading and particle size effects. <i>Journal of Molecular Catalysis A</i> , 2008, 281, 146-153.	4.8	71
29	A synthetic strategy for carbon nanospheres impregnated with highly monodispersed metal nanoparticles. <i>NPG Asia Materials</i> , 2016, 8, e240-e240.	7.9	66
30	Mesoporous Silica-Confined Manganese Oxide Nanoparticles as Highly Efficient Catalysts for the Low-Temperature Elimination of Formaldehyde. <i>ChemCatChem</i> , 2014, 6, 152-161.	3.7	55
31	Electron Paramagnetic Resonance in Combination with the Thermal Analysis, X-ray Diffraction, and Raman Spectroscopy to Follow the Structural Properties of ZrxCe _{1-x} O ₂ Solid Systems and Precursors. <i>Chemistry of Materials</i> , 2000, 12, 3830-3835.	6.7	54
32	Plasma-catalysis of low TCE concentration in air using LaMnO ₃ as catalyst. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 904-911.	20.2	54
33	Reaction of formaldehyde over birnessite catalyst: A combined XPS and ToF-SIMS study. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 192-200.	20.2	53
34	Removal of Toluene over NaX Zeolite Exchanged with Cu ²⁺ . <i>Catalysts</i> , 2015, 5, 1479-1497.	3.5	52
35	Synergistic Coupling of the Redox Properties of Supports and Cobalt Oxide Co ₃ O ₄ for the Complete Oxidation of Volatile Organic Compounds. <i>Catalysis Letters</i> , 2010, 137, 141-149.	2.6	50
36	Synthesis of Tungsten Carbides by Temperature-Programmed Reaction with CH ₄ -H ₂ Mixtures. Influence of the CH ₄ and Hydrogen Content in the Carburizing Mixture. <i>Journal of Solid State Chemistry</i> , 2000, 154, 412-426.	2.9	49

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37	Catalytic activity of Co ²⁺ /Mg mixed oxides in the VOC oxidation: Effects of ultrasonic assisted in the synthesis. <i>Catalysis Today</i> , 2011, 176, 286-291.	4.4	49
38	Use and observation of the hydrotalcite "memory effect" for VOC oxidation. <i>Catalysis Today</i> , 2010, 157, 191-197.	4.4	48
39	Chlorobenzene total oxidation over palladium supported on ZrO ₂ , TiO ₂ nanostructured supports. <i>Catalysis Today</i> , 2008, 137, 379-384.	4.4	46
40	Cyclodextrin-cobalt (II) molecule-ion pairs as precursors to active Co ₃ O ₄ /ZrO ₂ catalysts for the complete oxidation of formaldehyde: Influence of the cobalt source. <i>Journal of Catalysis</i> , 2016, 341, 191-204.	6.2	46
41	Toluene total oxidation over Co supported catalysts synthesised using "memory effect" of Mg ²⁺ /Al hydrotalcite. <i>Catalysis Communications</i> , 2008, 9, 1639-1643.	3.3	45
42	Influence of hierarchically porous niobium doped TiO ₂ supports in the total catalytic oxidation of model VOCs over noble metal nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 149-160.	20.2	44
43	Active Mn species well dispersed on Ca ²⁺ enriched apatite for total oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 87-95.	20.2	44
44	Combination of non-thermal plasma and Pd/LaMnO ₃ for dilute trichloroethylene abatement. <i>Chemical Engineering Journal</i> , 2016, 283, 668-675.	12.7	44
45	Hierarchical porous μ -MnO ₂ from perovskite precursor: Application to the formaldehyde total oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124146.	12.7	42
46	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.	20.2	42
47	Treatment of bulk group VI transition metal carbides with hydrogen and oxygen. <i>Applied Catalysis A: General</i> , 1995, 121, 169-190.	4.3	41
48	Synthesis and catalytic performances of K-OMS-2, Fe/K-OMS-2 and Fe-K-OMS-2 in post plasma-catalysis for dilute TCE abatement. <i>Catalysis Today</i> , 2018, 307, 20-28.	4.4	41
49	The Design of MnO _x Based Catalyst in Post-Plasma Catalysis Configuration for Toluene Abatement. <i>Catalysts</i> , 2018, 8, 91.	3.5	40
50	Manganese oxide octahedral molecular sieve K-OMS-2 as catalyst in post plasma-catalysis for trichloroethylene degradation in humid air. <i>Journal of Hazardous Materials</i> , 2016, 314, 88-94.	12.4	39
51	Influence of the Ethylenediamine Addition on the Activity, Dispersion and Reducibility of Cobalt Oxide Catalysts Supported over ZrO ₂ for Complete VOC Oxidation. <i>Catalysis Letters</i> , 2006, 108, 87-95.	2.6	38
52	Specific tuning of acid/base sites in apatite materials to enhance their methanol thiolation catalytic performances. <i>Catalysis Today</i> , 2011, 164, 124-130.	4.4	38
53	Modified Co ₃ O ₄ /ZrO ₂ catalysts for VOC emissions abatement. <i>Catalysis Today</i> , 2007, 119, 332-337.	4.4	37
54	Co ²⁺ /Mg ²⁺ /Al oxides issued of hydrotalcite precursors for total oxidation of volatile organic compounds. Identification and toxicological impact of the by-products. <i>Comptes Rendus Chimie</i> , 2010, 13, 494-501.	0.5	37

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55	Selective adsorption of formaldehyde and water vapors in NaY and NaX zeolites. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109563.	4.4	35
56	Sugarcane bagasse fly ash as an attractive agro-industry source for VOC removal on porous carbon. <i>Industrial Crops and Products</i> , 2013, 49, 108-116.	5.2	34
57	Effect of praseodymium and europium doping in $\text{La}_{1-x}\text{Ln}_x\text{MnO}_3$ (Ln: Pr or Eu, $0 \leq x \leq 1$) perovskite catalysts for total methane oxidation. <i>Applied Catalysis A: General</i> , 2014, 469, 98-107.	4.3	33
58	Toluene total oxidation over Pd and Au nanoparticles supported on hydroxyapatite. <i>Comptes Rendus Chimie</i> , 2016, 19, 525-537.	0.5	33
59	Additional effects of Pt and Nb on hierarchically porous titania in the catalytic removal of n-butanol. <i>Catalysis Today</i> , 2012, 192, 154-159.	4.4	32
60	An in-Depth Investigation of Toluene Decomposition with a Glass Beads-Packed Bed Dielectric Barrier Discharge Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10215-10226.	3.7	32
61	Plasma assisted Cu-Mn mixed oxide catalysts for trichloroethylene abatement in moist air. <i>Journal of Hazardous Materials</i> , 2019, 379, 120781.	12.4	32
62	Calcium-Deficient and Stoichiometric Hydroxyapatites Promoted by Cobalt for the Catalytic Removal of Oxygenated Volatile Organic Compounds. <i>Catalysis Letters</i> , 2010, 135, 197-206.	2.6	31
63	Combustion synthesis of $\text{LaMn}_{1-x}\text{Al}_x\text{O}_3$ ($0 \leq x \leq 1$): tuning catalytic properties for methane deep oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 1002.	4.1	31
64	Effect of gradual reduction of graphene oxide on the CO tolerance of supported platinum nanoparticles. <i>Carbon</i> , 2017, 111, 849-858.	10.3	31
65	Guerbet Reaction over Strontium-Substituted Hydroxyapatite Catalysts Prepared at Various (Ca+Sr)/P Ratios. <i>ChemCatChem</i> , 2017, 9, 2250-2261.	3.7	30
66	EPR study of ceria-silica and ceria-alumina catalysts: Localization of superoxide radical anions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 260, 199-207.	4.7	29
67	Pd- and/or Au-Loaded Nb- and V-Doped Macro-Mesoporous TiO_2 Supports as Catalysts for the Total Oxidation of VOCs. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2812-2818.	2.0	29
68	Au/Co promoted CeO_2 catalysts for formaldehyde total oxidation at ambient temperature: role of oxygen vacancies. <i>Catalysis Science and Technology</i> , 2019, 9, 3203-3213.	4.1	29
69	Investigation of the elimination of VOC mixtures over a Pd-loaded V-doped TiO_2 support. <i>New Journal of Chemistry</i> , 2014, 38, 2066-2074.	2.8	27
70	Highly Active Noble-Metal-Free Copper Hydroxyapatite Catalysts for the Total Oxidation of Toluene. <i>ChemCatChem</i> , 2017, 9, 2275-2283.	3.7	26
71	Synthesis and characterization of Cu-Co-Fe hydrotalcites and their calcined products. <i>Journal of Porous Materials</i> , 2007, 14, 103-110.	2.6	25
72	Hierarchically nanostructured porous group V b metal oxides from alkoxide precursors and their role in the catalytic remediation of VOCs. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 300-309.	20.2	24

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73	Influence of the meso-macroporous ZrO ₂ –TiO ₂ calcination temperature on the pre-reduced Pd/ZrO ₂ –TiO ₂ (1/1) performances in chlorobenzene total oxidation. <i>Catalysis Today</i> , 2011, 164, 566-570.	4.4	22
74	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.	3.7	22
75	Total Oxidation of Propene and Toluene on Copper/Yttrium Doped Zirconia. <i>Kinetics and Catalysis</i> , 2004, 45, 227-233.	1.0	21
76	A combined ToF-SIMS and XPS study for the elucidation of the role of water in the performances of a Post-Plasma Process using LaMnO ₃ + γ as catalyst in the total oxidation of trichloroethylene. <i>Applied Surface Science</i> , 2014, 320, 154-160.	6.1	21
77	Unburned carbon from bagasse fly ash as a support for a VOC oxidation catalyst. <i>Catalysis Today</i> , 2012, 190, 47-53.	4.4	20
78	Reactive Grinding Synthesis of LaBO ₃ (B: Mn, Fe) Perovskite; Properties for Toluene Total Oxidation. <i>Catalysts</i> , 2019, 9, 633.	3.5	20
79	Bulk and surface structures of iron doped zirconium oxide systems: Influence of preparation method. <i>Journal of Materials Science</i> , 2005, 40, 933-942.	3.7	19
80	Preferential dissolution of copper from Cu-Mn oxides in strong acid medium: Effect of the starting binary oxide to get new efficient copper doped MnO ₂ catalysts in toluene oxidation. <i>Applied Surface Science</i> , 2021, 537, 147993.	6.1	19
81	Influence of the preparation method on the activity and stability of copper–zirconium catalysts for propene deep oxidation reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 227, 63-75.	4.7	18
82	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.	2.9	18
83	Combustion of Carbon Black Catalyzed by Transition Metal-Promoted Y ₂ O ₃ –CeO ₂ –ZrO ₂ Solid Solutions ¹ . <i>Kinetics and Catalysis</i> , 2004, 45, 429-435.	1.0	17
84	Thermal analysis and temperature-programmed reduction studies of copper–zirconium and copper–zirconium–yttrium compounds. <i>Thermochimica Acta</i> , 2005, 427, 193-200.	2.7	17
85	Qualitative By-Product Identification of Plasma-Assisted TCE Abatement by Mass Spectrometry and Fourier-Transform Infrared Spectroscopy. <i>Plasma Chemistry and Plasma Processing</i> , 2011, 31, 707-718.	2.4	17
86	Synthesis of CaCO ₃ @C yolk–shell particles for CO ₂ adsorption. <i>RSC Advances</i> , 2015, 5, 24872-24876.	3.6	17
87	Flash Catalytic Pyrolysis of Polyethylene over (Alumino)silicate Materials. <i>ChemCatChem</i> , 2020, 12, 1109-1116.	3.7	17
88	VOCs catalytic removal over hierarchical porous zeolite NaY supporting Pt or Pd nanoparticles. <i>Catalysis Today</i> , 2022, 405-406, 212-220.	4.4	17
89	Thermal behaviour and catalytic properties towards propene combustion of zirconia modified by different first row transition metals. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 81, 20-26.	5.5	16
90	Catalytic properties of beta zeolite exchanged with Pd and Fe for toluene total oxidation. <i>Studies in Surface Science and Catalysis</i> , 2002, 142, 699-706.	1.5	15

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91	Physico-chemical study of impregnated Cu and V species on CeO ₂ support by thermal analysis, XRD, EPR, 51V-MAS-NMR and XPS. <i>Journal of Materials Science</i> , 2007, 42, 6188-6196.	3.7	15
92	Regeneration of Hopcalite used for the adsorption plasma catalytic removal of toluene by non-thermal plasma. <i>Journal of Hazardous Materials</i> , 2021, 402, 123877.	12.4	15
93	Transformation of vaterite into calcite in the absence and the presence of copper(II) species. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 74, 21-27.	3.6	14
94	High resolution NMR unraveling Cu substitution of Mg in hydrotalcites' ethanol reactivity. <i>Applied Catalysis A: General</i> , 2015, 504, 533-541.	4.3	14
95	Characterization of Carbon Anode Protected by Low Boron Level: An Attempt To Understand Carbon's Boron Inhibitor Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6700-6706.	6.7	14
96	Mesoporous MnO ₂ hollow spheres for enhanced catalytic oxidation of formaldehyde. <i>Sustainable Materials and Technologies</i> , 2019, 20, e00091.	3.3	14
97	Optimization of the combustion synthesis towards efficient LaMnO _{3+y} catalysts in methane oxidation. <i>Applied Catalysis B: Environmental</i> , 2011, , .	20.2	13
98	An EPR investigation on the reactivity of oxygen from ceria modified bimetallic Pt-Rh/Al ₂ O ₃ catalysts in the CO+NO reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 158, 241-247.	4.7	12
99	Effect of Mn loading onto hydroxyapatite supported Mn catalysts for toluene removal: Contribution of PCA assisted ToF-SIMS. <i>Catalysis Today</i> , 2018, 307, 41-47.	4.4	12
100	Reactive Grinding synthesis of La(Sr,Ce)CoO ₃ and their properties in toluene catalytic total oxidation. <i>ChemCatChem</i> , 2020, 12, 2271-2282.	3.7	12
101	Palladium-based catalysts for the synthesis of alcohols. <i>Journal of Molecular Catalysis A</i> , 2003, 206, 339-351.	4.8	11
102	Title is missing!. <i>Magyar Árvad Kémlemlenyek</i> , 2001, 66, 645-658.	1.4	10
103	Hierarchically porous Nb-TiO ₂ nanomaterials for the catalytic transformation of 2-propanol and n-butanol. <i>New Journal of Chemistry</i> , 2014, 38, 1988-1995.	2.8	10
104	Investigation of the Cu-Zr-Y oxides activity in the carbon black catalytic oxidation by differential thermal analysis and temperature programmed reduction. <i>Thermochimica Acta</i> , 2006, 443, 141-146.	2.7	9
105	Catalytic Removal of Volatile Organic Compounds. <i>Catalysts</i> , 2016, 6, 7.	3.5	9
106	Oscillatory Behavior of Pd-Au Catalysts in Toluene Total Oxidation. <i>Catalysts</i> , 2018, 8, 574.	3.5	9
107	Cu-Mn Hydroxyapatite Materials for Toluene Total Oxidation. <i>ChemCatChem</i> , 2020, 12, 550-560.	3.7	9
108	Formaldehyde Total Oxidation on Manganese-Doped Hydroxyapatite: The Effect of Mn Content. <i>Catalysts</i> , 2020, 10, 1422.	3.5	9

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109	Modified Red Mud Catalyst for Volatile Organic Compounds Oxidation. <i>Catalysts</i> , 2021, 11, 838.	3.5	9
110	Characterisation of new Pd / hierarchical macro-mesoporous ZrO ₂ , TiO ₂ and ZrO ₂ -TiO ₂ catalysts for toluene total oxidation. <i>Studies in Surface Science and Catalysis</i> , 2007, , 201-208.	1.5	8
111	Mesoporous manganese oxide catalysts for formaldehyde removal: influence of the cerium incorporation. <i>Studies in Surface Science and Catalysis</i> , 2010, , 517-520.	1.5	8
112	Detection of formaldehyde oxidation catalysis by MCR-ALS analysis of multiset ToF-SIMS data in positive and negative modes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 171, 80-85.	3.5	8
113	Acid treated Ce modified birnessite-type MnO ₂ for ozone decomposition at low temperature: Effect of nitrogen containing co-pollutants and water. <i>Applied Surface Science</i> , 2022, 571, 151240.	6.1	8
114	Thermal analysis and epr studies of carbon black oxidation in the presence of copper loaded Y ₂ O ₃ -CeO ₂ -ZrO ₂ catalyst. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 857-865.	3.6	7
115	Polarization field effects at liquid-crystal-droplet-polymer interfaces. <i>Physical Review E</i> , 2006, 73, 041702.	2.1	7
116	Abatement of Toluene Using a Sequential Adsorption-Catalytic Oxidation Process: Comparative Study of Potential Adsorbent/Catalytic Materials. <i>Catalysts</i> , 2020, 10, 761.	3.5	7
117	Title is missing!. <i>Inorganic Materials</i> , 2003, 39, 503-509.	0.8	6
118	Preparation and characterization of nanocrystallines Mn-Ce-Zr mixed oxide catalysts by sol-gel method: application to the complete oxidation of n-butanol. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 731-734.	1.5	6
119	MnO _x -loaded Mesoporous Silica for the Catalytic Oxidation of Formaldehyde. Effect of the Melt Infiltration Conditions on the Activity Stability Behavior. <i>ChemCatChem</i> , 2020, 12, 1664-1675.	3.7	6
120	Effect of non-thermal plasma in the activation and regeneration of 13X zeolite for enhanced VOC elimination by cycled storage and discharge process. <i>Journal of Cleaner Production</i> , 2022, 364, 132687.	9.3	6
121	Influence of Shaping on Pd and Pt/TiO ₂ Catalysts in Total Oxidation of VOCs. <i>Advanced Materials Research</i> , 0, 324, 162-165.	0.3	5
122	Bimetallic nickel-rhodium catalysts. II. Activity and selectivity in the hydrogenolysis of butane. <i>Applied Catalysis A: General</i> , 1995, 123, 161-172.	4.3	4
123	ToF-SIMS studies of the TiO ₂ -ZrO ₂ supported palladium as trace level used in the total oxidation of TCE in humid air. <i>Surface and Interface Analysis</i> , 2013, 45, 566-569.	1.8	4
124	Adsorption Followed by Plasma Assisted Catalytic Conversion of Toluene into CO ₂ on Hopcalite in an Air Stream. <i>Catalysts</i> , 2021, 11, 845.	3.5	4
125	Acid Washing of MnO _x /SiO ₂ Composites as an Efficient Way to Improve Catalytic Properties in HCHO Total Oxidation. <i>ChemNanoMat</i> , 2020, 6, 1237-1244.	2.8	3
126	Non-thermal plasma abatement of trichloroethylene with DC corona discharges. <i>WIT Transactions on Ecology and the Environment</i> , 2011, , .	0.0	2

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127	Characterisation of palladium supported on exchanged BEA and FAU zeolites for VOCs catalytic oxidation. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 209-216.	1.5	1
128	Effect of ethylenediamine as chelating agent of cobalt species upon the cobalt-support interactions: application to the VOC catalytic removal. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 389-392.	1.5	1
129	Investigation of the microwave heating techniques for the synthesis of LaMnO_3 . <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 533-536.	1.5	1
130	Post-Plasma Catalysis for Trichloroethylene Abatement with Ce-Doped Birnessite Downstream DC Corona Discharge Reactor. <i>Catalysts</i> , 2021, 11, 946.	3.5	1
131	Influence of anionic vacancies in doped zirconia for propene catalytic oxidation. , 0, , .		0
132	Top 10 Cited Papers in the Section "Environmental Catalysis". <i>Catalysts</i> , 2021, 11, 80.	3.5	0
133	Structural Changes in ZrO_2 Catalyst Doped with Fe and Cu. <i>EPR Study</i> . , 2002, , 577-583.		0
134	Feature Papers to Celebrate "Environmental Catalysis" Trends & Outlook. <i>Catalysts</i> , 2022, 12, 720.	3.5	0