

Jean-marc Giraudon

List of Publications by Year in descending order

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51
papers

2,168
citations

236925

25
h-index

223800

46
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51
all docs

51
docs citations

51
times ranked

2537
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Post-Plasma Catalysis for Trichloroethylene Abatement with Ce-Doped Birnessite Downstream DC Corona Discharge Reactor. <i>Catalysts</i> , 2021, 11, 946.	3.5	1
5	Hydroxyapatite, a multifunctional material for air, water and soil pollution control: A review. <i>Journal of Hazardous Materials</i> , 2020, 383, 121139.	12.4	285
6	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
7	Cu~Mn Hydroxyapatite Materials for Toluene Total Oxidation. <i>ChemCatChem</i> , 2020, 12, 550-560.	3.7	9
8	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
9	Formaldehyde Total Oxidation on Manganese-Doped Hydroxyapatite: The Effect of Mn Content. <i>Catalysts</i> , 2020, 10, 1422.	3.5	9
10	Acid Washing of MnO _x /SBA-15 Composites as an Efficient Way to Improve Catalytic Properties in HCHO Total Oxidation. <i>ChemNanoMat</i> , 2020, 6, 1237-1244.	2.8	3
11	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
12	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
13	Reactive Grinding Synthesis of LaBO ₃ (B: Mn, Fe) Perovskite; Properties for Toluene Total Oxidation. <i>Catalysts</i> , 2019, 9, 633.	3.5	20
14	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
15	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
16	The Use of Zeolites for VOCs Abatement by Combining Non-Thermal Plasma, Adsorption, and/or Catalysis: A Review. <i>Catalysts</i> , 2019, 9, 98.	3.5	99
17	Mesoporous MnO ₂ hollow spheres for enhanced catalytic oxidation of formaldehyde. <i>Sustainable Materials and Technologies</i> , 2019, 20, e00091.	3.3	14
18	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

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19	Oscillatory Behavior of Pd-Au Catalysts in Toluene Total Oxidation. <i>Catalysts</i> , 2018, 8, 574.	3.5	9
20	The Design of MnO _x Based Catalyst in Post-Plasma Catalysis Configuration for Toluene Abatement. <i>Catalysts</i> , 2018, 8, 91.	3.5	40
21	Highly Active Noble-Metal-Free Copper Hydroxyapatite Catalysts for the Total Oxidation of Toluene. <i>ChemCatChem</i> , 2017, 9, 2275-2283.	3.7	26
22	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
23	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
24	Toluene total oxidation over Pd and Au nanoparticles supported on hydroxyapatite. <i>Comptes Rendus Chimie</i> , 2016, 19, 525-537.	0.5	33
25	Removal of Toluene over NaX Zeolite Exchanged with Cu ²⁺ . <i>Catalysts</i> , 2015, 5, 1479-1497.	3.5	52
26	Total Oxidation of Formaldehyde over MnO _x -CeO ₂ Catalysts: The Effect of Acid Treatment. <i>ACS Catalysis</i> , 2015, 5, 2260-2269.	11.2	199
27	Capture of formaldehyde by adsorption on nanoporous materials. <i>Journal of Hazardous Materials</i> , 2015, 300, 711-717.	12.4	129
28	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
29	Effect of praseodymium and europium doping in La ^{1-x} Ln ^x MnO ₃ (Ln: Pr or Eu, 0 ≤ x ≤ 1) perovskite catalysts for total methane oxidation. <i>Applied Catalysis A: General</i> , 2014, 469, 98-107.	4.3	33
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	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
32	Combustion synthesis of LaMn _{1-x} Al _x O ₃ +δ (0 ≤ x ≤ 1): tuning catalytic properties for methane deep oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 1002.	4.1	31
33	Formaldehyde: Catalytic Oxidation as a Promising Soft Way of Elimination. <i>ChemSusChem</i> , 2013, 6, 578-592.	6.8	214
34	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
35	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
36	Catalytic activity of Co-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

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37	Formaldehyde total oxidation over mesoporous MnOx catalysts. <i>Catalysis Today</i> , 2011, 176, 277-280.	4.4	77
38	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
39	Removal of oxygenated volatile organic compounds by catalytic oxidation over Zr-Ce-Mn catalysts. <i>Journal of Hazardous Materials</i> , 2011, 188, 422-427.	12.4	97
40	Optimization of the combustion synthesis towards efficient LaMnO _{3+y} catalysts in methane oxidation. <i>Applied Catalysis B: Environmental</i> , 2011, , .	20.2	13
41	Noble-Metal-Based Catalysts Supported on Zeolites and Macro-Mesoporous Metal Oxide Supports for the Total Oxidation of Volatile Organic Compounds. <i>ChemSusChem</i> , 2011, 4, 1420-1430.	6.8	99
42	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
43	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
44	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
45	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
46	Investigation of the microwave heating techniques for the synthesis of LaMnO _{3+δ} . <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 533-536.	1.5	1
47	From Al ₂ O ₃ -supported Ni(II)-ethylenediamine complexes to CO hydrogenation catalysts: Characterization of the surface sites and catalytic properties. <i>Applied Catalysis A: General</i> , 2009, 362, 34-39.	4.3	23
48	From Al ₂ O ₃ -supported Ni(II)-ethylenediamine Complexes to CO Hydrogenation Catalysts: Importance of the Hydrogen Post-treatment Evidenced by XPS. <i>Catalysis Letters</i> , 2008, 124, 18-23.	2.6	16
49	A Systematic Study of the Interactions between Chemical Partners (Metal, Ligands, Counterions, and) Tj ETQq1 1 0.784314 rgBT /Over <i>Journal of Physical Chemistry B</i> , 2005, 109, 2836-2845.	2.6	65
50	Ready, reversible conversion of a quadruply metal-metal bonded dinuclear complex into a mononuclear complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 921-923.	2.0	11
51	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