

Vicente Cortés Corberán

List of Publications by Year in descending order

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111
papers

3,124
citations

159358

30
h-index

174990

52
g-index

121
all docs

121
docs citations

121
times ranked

3038
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured silica-supported gold: Effect of nanoparticle size distribution and electronic state on its catalytic properties in oxidation reactions. <i>Catalysis Today</i> , 2021, 366, 77-86.	2.2	3
2	Inverse CeO ₂ /CuO WGS catalysts: Influence of the presence of oxygen in the reactant mixture. <i>Catalysis Today</i> , 2021, 363, 105-110.	2.2	5
3	Oxidation of 5-Hydroxymethylfurfural on Supported Ag, Au, Pd and Bimetallic Pd-Au Catalysts: Effect of the Support. <i>Catalysts</i> , 2021, 11, 115.	1.6	20
4	Nickel catalysts promoted with lanthanum for ethanol steam reforming: Influence of support and treatment on activity. <i>Applied Catalysis A: General</i> , 2021, 619, 118141.	2.2	19
5	Effect of the Metal Deposition Order on Structural, Electronic and Catalytic Properties of TiO ₂ -Supported Bimetallic Au-Ag Catalysts in 1-Octanol Selective Oxidation. <i>Catalysts</i> , 2021, 11, 799.	1.6	1
6	Microemulsion vs. Precipitation: Which Is the Best Synthesis of Nickel-Ceria Catalysts for Ethanol Steam Reforming?. <i>Processes</i> , 2021, 9, 77.	1.3	3
7	Novel manganese-promoted inverse CeO ₂ /CuO catalyst: In situ characterization and activity for the water-gas shift reaction. <i>Catalysis Today</i> , 2020, 339, 24-31.	2.2	35
8	Selective oxidation of ethanol on V-MCM-41 catalysts. <i>Catalysis Today</i> , 2020, 356, 464-470.	2.2	5
9	The effect of support properties on n-octanol oxidation performed on gold-silver catalysts supported on MgO, ZnO and Nb ₂ O ₅ . <i>Molecular Catalysis</i> , 2020, 482, 110674.	1.0	7
10	Multi-Comobilipases: Co-Immobilizing Lipases with Very Different Stabilities Combining Immobilization via Interfacial Activation and Ion Exchange. The Reuse of the Most Stable Co-Immobilized Enzymes after Inactivation of the Least Stable Ones. <i>Catalysts</i> , 2020, 10, 1207.	1.6	28
11	Glycerol Oxidation over Supported Gold Catalysts: The Combined Effect of Au Particle Size and Basicity of Support. <i>Processes</i> , 2020, 8, 1016.	1.3	8
12	Effect of Gold Electronic State on the Catalytic Performance of Nano Gold Catalysts in n-Octanol Oxidation. <i>Nanomaterials</i> , 2020, 10, 880.	1.9	11
13	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. <i>Nanomaterials</i> , 2020, 10, 151.	1.9	7
14	Nickel Supported on Alkaline Earth Metal-Doped β -Al ₂ O ₃ -La ₂ O ₃ as Catalysts for Dry Reforming of Methane. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 289-298.	0.1	6
15	Silver catalysts for liquid-phase oxidation of alcohols in green chemistry: Challenges and outlook. <i>Catalysis Today</i> , 2019, 333, 81-88.	2.2	17
16	Increasing the Enzyme Loading Capacity of Porous Supports by a Layer-by-Layer Immobilization Strategy Using PEI as Glue. <i>Catalysts</i> , 2019, 9, 576.	1.6	39
17	Novel route of synthesis of ultra-small Au nanoparticles on SiO ₂ supports. <i>Fuel</i> , 2019, 236, 589-597.	3.4	11
18	Green Oxidation of n-Octanol on Supported Nanogold Catalysts: Formation of Gold Active Sites under Combined Effect of Gold Content, Additive Nature and Redox Pretreatment. <i>ChemCatChem</i> , 2019, 11, 1615-1624.	1.8	16

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19	Recent Applications of Nanometal Oxide Catalysts in Oxidation Reactions. , 2019, , 227-293.		7
20	Oxidative dehydrogenation of ethane with CO ₂ over CrO _x catalysts supported on Al ₂ O ₃ , ZrO ₂ , CeO ₂ and CexZr1-xO ₂ . Catalysis Today, 2019, 333, 71-80.	2.2	72
21	Selective oxidation of n-octanol on unmodified and La-modified nanogold catalysts: Effect of metal content. Catalysis Today, 2019, 333, 127-132.	2.2	7
22	Modified Ag/TiO ₂ systems: Promising catalysts for liquid-phase oxidation of alcohols. Fuel, 2018, 234, 110-119.	3.4	14
23	Coimmobilization of enzymes in bilayers using ppi as a glue to reuse the most stable enzyme: Preventing ppi release during inactivated enzyme desorption. Process Biochemistry, 2017, 61, 95-101.	1.8	47
24	Nanostructured Catalysts Based on Combinations of Cobalt and Cerium Oxides for CO Oxidation and Effect of the Presence of Water. Journal of Nanoscience and Nanotechnology, 2017, 17, 3816-3823.	0.9	7
25	Ethanol steam reforming on nanostructured catalysts of Ni, Co and CeO ₂ : Influence of synthesis method on activity, deactivation and regenerability. Catalysis Today, 2017, 296, 135-143.	2.2	51
26	Low-temperature CO oxidation on Ag/ZSM-5 catalysts: Influence of Si/Al ratio and redox pretreatments on formation of silver active sites. Fuel, 2017, 188, 121-131.	3.4	53
27	n-Octanol oxidation on Au/TiO ₂ catalysts promoted with La and Ce oxides. Molecular Catalysis, 2017, 427, 1-10.	1.0	15
28	Gold and Silver Catalysts for Liquid Phase n-Octanol Oxidation: Effect of Promoters. Current Organic Synthesis, 2017, 14, 323-331.	0.7	2
29	Causes of Activation and Deactivation of Modified Nanogold Catalysts during Prolonged Storage and Redox Treatments. Molecules, 2016, 21, 486.	1.7	17
30	Identification of Subnanometric Ag Species, Their Interaction with Supports and Role in Catalytic CO Oxidation. Molecules, 2016, 21, 532.	1.7	12
31	Au/TiO ₂ catalysts promoted with Fe and Mg for n -octanol oxidation under mild conditions. Catalysis Today, 2016, 278, 104-112.	2.2	14
32	Selectivity control in oxidation of 1-tetradecanol on supported nano Au catalysts. Catalysis Today, 2016, 278, 113-119.	2.2	1
33	Reuse of anion exchangers as supports for enzyme immobilization: Reinforcement of the enzyme-support multiinteraction after enzyme inactivation. Process Biochemistry, 2016, 51, 1391-1396.	1.8	50
34	Towards efficient catalysts for the oxidative dehydrogenation of propane in the presence of CO ₂ : Cr/SiO ₂ systems prepared by direct hydrothermal synthesis. Catalysis Science and Technology, 2016, 6, 840-850.	2.1	32
35	Unconventional Oxidants for Gas-Phase Oxidations. , 2014, , 877-920.		1
36	Selective oxidation of 1-octanol over gold supported on mesoporous metal-modified HMS: The effect of the support. Catalysis Today, 2014, 227, 65-70.	2.2	22

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37	Heterogeneous selective oxidation of fatty alcohols: Oxidation of 1-tetradecanol as a model substrate. <i>Catalysis Today</i> , 2014, 238, 49-53.	2.2	8
38	Green oxidation of fatty alcohols: Challenges and opportunities. <i>Applied Catalysis A: General</i> , 2014, 474, 211-223.	2.2	57
39	Improving the CO-PROX Performance of Inverse CeO ₂ /CuO Catalysts: Doping of the CuO Component with Zn. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9030-9041.	1.5	34
40	Tuning of Lecitase features via solid-phase chemical modification: Effect of the immobilization protocol. <i>Process Biochemistry</i> , 2014, 49, 604-616.	1.8	65
41	Preferential oxidation of CO in excess H ₂ over CuO/CeO ₂ catalysts: Characterization and performance as a function of the exposed face present in the CeO ₂ support. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 224-238.	10.8	146
42	Hydrogen from Bioethanol. , 2013, , 135-169.		17
43	Nanostructured Oxide Catalysts for Oxidative Activation of Alkanes. <i>Topics in Catalysis</i> , 2009, 52, 962-969.	1.3	11
44	Title is missing!. <i>Catalysis Today</i> , 2009, 141, 243-244.	2.2	0
45	Oxidation of ethane on high specific surface SmCoO ₃ and PrCoO ₃ perovskites. <i>Catalysis Today</i> , 2009, 143, 309-314.	2.2	38
46	Isoprene and C ₅ Olefins Production by Oxidative Dehydrogenation of Isopentane. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8037-8042.	1.8	9
47	Catalytic properties of niobium and gallium oxide systems supported on MCM-41 type materials. <i>Applied Catalysis A: General</i> , 2007, 325, 328-335.	2.2	18
48	Hydroxylation/oxidation of benzene over Cu-ZSM-5 systems: Optimization of the one-step route to phenol. <i>Journal of Catalysis</i> , 2007, 250, 184-189.	3.1	55
49	Selective oxidative activation of isobutane on a novel vanadium-substituted bimodal mesoporous oxide V-UVM-7. <i>Catalysis Today</i> , 2006, 117, 180-186.	2.2	24
50	Effect of LaCoO ₃ perovskite deposition on ceria-based supports on total oxidation of VOC. <i>Catalysis Today</i> , 2006, 112, 169-173.	2.2	28
51	Determination of kinetic parameters of the oxidehydrogenation of ethane with CO ₂ on nanosized calcium-doped ceria under fast deactivation processes. <i>Catalysis Today</i> , 2006, 112, 148-152.	2.2	7
52	In situ structural changes during toluene complete oxidation on supported EuCoO ₃ monitored with 151Eu Mössbauer spectroscopy. <i>Catalysis Today</i> , 2006, 117, 329-336.	2.2	19
53	Novel approaches for the improvement of selectivity in the oxidative activation of light alkanes. <i>Catalysis Today</i> , 2005, 99, 33-41.	2.2	47
54	Oxidehydrogenation of Ethane with CO ₂ over transition metal doped MCM-41 mesoporous catalysts. <i>Studies in Surface Science and Catalysis</i> , 2004, 153, 343-346.	1.5	12

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55	Direct oxidation of isobutane to methacrolein over V-MCM-41 catalysts. <i>Catalysis Today</i> , 2004, 91-92, 43-47.	2.2	23
56	Oxidative dehydrogenation of isobutane over Co-MCM-41 catalysts. <i>Catalysis Today</i> , 2004, 91-92, 127-130.	2.2	22
57	Freeze-Dried Precursor-Based Synthesis of Nanostructured Cobalt-Nickel Molybdates $\text{Co}_{1-x}\text{Ni}_x\text{MoO}_4$. <i>Chemistry of Materials</i> , 2004, 16, 1697-1703.	3.2	39
58	The antimony-rich layer created by thermal-spreading of Sb_2O_3 on Fe_2O_3 surface. <i>Surface Science</i> , 2003, 547, 55-62.	0.8	4
59	The thermal spreading of antimony oxides onto Fe_2O_3 . <i>Applied Surface Science</i> , 2003, 210, 346-352.	3.1	10
60	Improvement of catalytic functions of binary V-Sb oxide catalysts for oxidative conversion of isobutane to isobutene. <i>Chemical Engineering Journal</i> , 2003, 95, 37-45.	6.6	16
61	Oxidative conversion of isobutane to isobutene over V-Sb-Ni oxide catalysts. <i>Applied Catalysis A: General</i> , 2003, 250, 143-150.	2.2	13
62	High performance of V-Ga-O catalysts for oxidehydrogenation of propane. <i>Catalysis Today</i> , 2003, 78, 247-256.	2.2	11
63	Oxidative dehydrogenation of isobutane on MCM-41 mesoporous molecular sieves. <i>Applied Catalysis A: General</i> , 2002, 232, 189-202.	2.2	39
64	Novel KF-TiO ₂ catalysts for oxidative dehydrogenation of isobutane. <i>Reaction Kinetics and Catalysis Letters</i> , 2002, 75, 31-37.	0.6	2
65	Surface properties and catalytic performance for ethane combustion of $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ perovskites. <i>Applied Catalysis A: General</i> , 2001, 207, 17-24.	2.2	96
66	Nanostructured ceria-based catalysts for oxydehydrogenation of ethane with CO ₂ . <i>Topics in Catalysis</i> , 2001, 15, 181-188.	1.3	60
67	Vanadium oxide supported on gallium and indium oxides: Synthesis, physicochemical and catalytic properties. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 1889-1894.	1.5	8
68	Selective oxidehydrogenation of ethane with CO ₂ over CeO ₂ -based catalysts. <i>Catalysis Today</i> , 2000, 61, 43-48.	2.2	79
69	Oxidative dehydrogenation of propane on zeolite catalysts. <i>Catalysis Today</i> , 2000, 61, 343-352.	2.2	23
70	Oxidative dehydrogenation of isobutane over LaBaSm oxide catalyst. <i>Catalysis Today</i> , 2000, 61, 369-375.	2.2	34
71	Raman studies of supported V, Cr and Sb oxides and their mechanical mixture with $\text{Bi}_2\text{Mo}_3\text{O}_{12}$. <i>Journal of Molecular Catalysis A</i> , 2000, 158, 271-274.	4.8	3
72	On the role of heterogeneous and homogeneous processes in oxidative dehydrogenation of C ₃ -C ₄ alkanes. <i>Catalysis Today</i> , 2000, 61, 287-293.	2.2	31

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73	Propane partial oxidation to acrolein over combined catalysts. <i>Catalysis Letters</i> , 2000, 69, 203-206.	1.4	19
74	Title is missing!. <i>Topics in Catalysis</i> , 2000, 11/12, 153-160.	1.3	18
75	Transient response studies of isobutane oxidative dehydrogenation over molybdenum catalysts. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 1901-1906.	1.5	3
76	Synthesis and surface characterization of nanometric $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ particles. <i>Catalysis Today</i> , 1999, 52, 45-52.	2.2	25
77	Oxidative dehydrogenation of propane over calcined vanadate-exchanged Mg,Al-layered double hydroxides. <i>Applied Catalysis A: General</i> , 1999, 185, 65-73.	2.2	49
78	Influence of Ceria Dispersion on the Catalytic Performance of $\text{Cu}/(\text{CeO}_2)/\text{Al}_2\text{O}_3$ Catalysts for the CO Oxidation Reaction.. <i>Studies in Surface Science and Catalysis</i> , 1998, , 591-600.	1.5	33
79	Oxidative Dehydrogenation of Propane on Large-Pore Zeolites. , 1998, , 397-401.		0
80	Characterization and Catalytic Activity for the Oxidation of Ethane and Propane on Platinum and Copper Supported on $\text{CeO}_2/\text{Al}_2\text{O}_3$. <i>Brazilian Journal of Chemical Engineering</i> , 1998, 15, 210-216.	0.7	0
81	Catalytic combustion of ethane over high surface area $\text{Ln}_{1-x}\text{K}_x\text{MnO}_3$ (Ln = La, Nd) perovskites: The effect of potassium substitution. <i>Studies in Surface Science and Catalysis</i> , 1997, , 747-756.	1.5	13
82	Synthesis of high surface area perovskite catalysts by non-conventional routes. <i>Catalysis Today</i> , 1997, 33, 361-369.	2.2	26
83	Selective Oxidation of Ethanol to Acetaldehyde on $\text{V}_2\text{O}_5/\text{TiO}_2/\text{SiO}_2$ Catalysts. <i>Journal of Catalysis</i> , 1997, 171, 1-13.	3.1	99
84	Ethane oxidehydrogenation selectivity and reductibility of mixed NiV_xSb oxides. <i>Catalysis Letters</i> , 1996, 40, 223-228.	1.4	14
85	Mixed MVSb oxides as oxidehydrogenation catalysts. <i>Catalysis Today</i> , 1996, 32, 177-183.	2.2	15
86	Selective oxidation of toluene on $\text{V}_2\text{O}_5/\text{TiO}_2/\text{SiO}_2$ catalysts modified with Te, Al, Mg, and K_2SO_4 . <i>Catalysis Today</i> , 1996, 32, 265-272.	2.2	38
87	Gallium oxide promoted zeolite catalysts for oxidehydrogenation of propane. <i>Catalysis Today</i> , 1996, 32, 193-204.	2.2	16
88	Faujasite Catalysts Promoted with Gallium Oxide: A Physicochemical Study. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10323-10330.	2.9	54
89	Oxidative dehydrogenation of ethane on supported vanadium-containing oxides. <i>Applied Catalysis A: General</i> , 1995, 124, 281-296.	2.2	39
90	Selective oxidation of toluene over $\text{V}_2\text{O}_5/\text{TiO}_2$ catalysts. Effect of vanadium loading and of molybdenum addition on the catalytic properties. <i>Applied Catalysis A: General</i> , 1995, 126, 365-380.	2.2	58

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91	Oxidative dehydrogenation of lower alkanes on vanadium oxide-based catalysts. The present state of the art and outlooks. <i>Applied Catalysis A: General</i> , 1995, 127, 1-40.	2.2	614
92	Effect of different additives on the performance of V ⁵⁺ Mg ²⁺ O catalysts in the oxidative dehydrogenation of propane. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 55, 213-220.	0.6	19
93	Oxidative dehydrogenation (OXD) of C ₃ ~C ₄ paraffins over transition metal oxides. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 56, 413-420.	0.6	2
94	Oxidative dehydrogenation of propane on gallium oxide-faujasite catalysts. <i>Studies in Surface Science and Catalysis</i> , 1994, 82, 133-142.	1.5	2
95	Structure and reactivity of alkali-doped calcium oxide catalysts for oxidative coupling of methane. <i>Applied Catalysis A: General</i> , 1993, 101, 167-183.	2.2	10
96	High Performance Of Vanadia Catalysts Supported On TiO ₂ ~Coated Silica For Selective Oxidation Of Ethanol. <i>Studies in Surface Science and Catalysis</i> , 1992, 72, 147-154.	1.5	12
97	Propane dehydrogenation and coke formation on chromia-alumina catalysts: effect of reductive pretreatments. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 2670-2674.	1.8	49
98	Institute of catalysis and petroleum chemistry, Madrid. <i>Applied Catalysis</i> , 1991, 78, N16.	1.1	0
99	Laser Raman and XPS analyses of molybdenum-rare earth oxide catalysts. <i>Surface and Interface Analysis</i> , 1991, 17, 940-946.	0.8	9
100	Structure of unpromoted and alkali-metal promoted MnO _x -based catalysts for oxidative coupling of methane. <i>Applied Catalysis</i> , 1990, 61, 311-328.	1.1	13
101	TPD and IR spectroscopic studies of CO, CO ₂ and H ₂ adsorption on LaCrO ₃ . <i>Applied Surface Science</i> , 1989, 37, 353-366.	3.1	9
102	A comparative study of propene adsorption on total and partial oxidation catalysts. <i>Journal of Colloid and Interface Science</i> , 1989, 129, 270-277.	5.0	4
103	Surface reactivity of reduced LaFeO ₃ as studied by TPD and IR spectroscopies of CO, CO ₂ and H ₂ . <i>Journal of Materials Science</i> , 1989, 24, 4437-4442.	1.7	29
104	Acidity and oxidation activity of MoO ₃ ~UO ₃ /SiO ₂ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1988, 36, 235-240.	0.6	9
105	Isomorphous Substitution in Zeolites: Catalysis on Boro-, Alumo- und Gallosilicaten mit ZSM-5-Struktur. <i>Chemie-Ingenieur-Technik</i> , 1986, 58, 969-971.	0.4	18
106	AEM, XPS and ISS characterization of catalyst modifications during propene oxidation over a supported mixed oxide catalyst. <i>Surface and Interface Analysis</i> , 1986, 9, 207-213.	0.8	3
107	Partial oxidation of 1-butene on NiO~MoO ₃ catalysts supported on a HY ultrastable zeolite. <i>Reaction Kinetics and Catalysis Letters</i> , 1986, 32, 191-197.	0.6	2
108	Kinetics of the partial oxidation of isobutene over silica-supported molybdenum-uranium oxide catalyst. <i>Industrial & Engineering Chemistry Product Research and Development</i> , 1985, 24, 62-68.	0.5	7

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109	Enhanced O ₂ adsorption in the catalytic oxidation of isobutene on a supported Mo ^{VI} -U ^{VI} -O catalyst. Journal of Colloid and Interface Science, 1985, 106, 269-272.	5.0	2
110	Partial oxidation of isobutene over molybdenum trioxide (MoO ₃)-uranium trioxide (UO ₃)-silicon dioxide catalysts. A reaction network. Industrial & Engineering Chemistry Product Research and Development, 1984, 23, 546-552.	0.5	7
111	Catalytic and physico-chemical properties of a doped MoO ₃ /SiO ₂ catalyst used in propylene oxidation. Reaction Kinetics and Catalysis Letters, 1981, 17, 181-186.	0.6	4