Gina A Pecchi

List of Publications by Year
in descending order

114 papers	2,859 citations	126907 33 h-index	214800 47 g-index
115 all docs	115 docs citations	115 times ranked	3775 citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic degradation of pentachlorophenol on TiO2 solâ€“gel catalysts. Chemosphere, 2001, 43, 141-146.	8.2	105
2	Catalytic and photocatalytic ozonation of phenol on MnO2 supported catalysts. Catalysis Today, 2002, 76, 121-131.	4.4	92
3	Ce-substituted LaNiO3 mixed oxides as catalyst precursors for glycerol steam reforming. Applied Catalysis B: Environmental, 2014, 147, 193-202.	20.2	91
4	Effect of the preparation method on the catalytic activity of La1âˆ’xCaxFeO3 perovskite-type oxides. Catalysis Today, 2008, 133-135, 420-427.	4.4	90
5	Alternative low-cost approach to the synthesis of magnetic iron oxide nanoparticles by thermal decomposition of organic precursors. Nanotechnology, 2013, 24, 175601.	2.6	88
6	Characterization of iron-doped titania solâ€“gel materials. Journal of Materials Chemistry, 2002, 12, 714-718.	6.7	88
7	Surface properties and performance for VOCs combustion of LaFe1âˆ’yNiyO3 perovskite oxides. Journal of Solid State Chemistry, 2008, 181, 905-912.	2.9	85
8	Relation between defects and catalytic activity of calcium doped LaFeO3 perovskite. Solid State Ionics, 2011, 187, 27-32.	2.7	75
9	Catalytic hydrodeoxygenation of anisole over Re-MoO x /TiO 2 and Re-VO x /TiO 2 catalysts. Applied Catalysis B: Environmental, 2017, 208, 60-74.	20.2	73
10	Photodegradation of pentachlorophenol on ZnO. Journal of Chemical Technology and Biotechnology, 1998, 72, 105-110.	3.2	71
11	Liquid-phase hydrogenation of citral over Ir-supported catalysts. Journal of Molecular Catalysis A, 2002, 179, 293-299.	4.8	56
12	Phenol hydrodeoxygenation: effect of support and Re promoter on the reactivity of Co catalysts. Catalysis Science and Technology, 2016, 6, 7289-7306.	4.1	56
13	Crotonaldehyde hydrogenation on Ir supported catalysts. Journal of Molecular Catalysis A, 2000, 164, 245-251.	4.8	54
14	Methane Combustion on Pd/SiO2Sol Gel Catalysts. Journal of Catalysis, 1998, 179, 309-314.	6.2	53
15	Influence of the nature of the platinum precursor on the surface properties and catalytic activity of alumina-supported catalysts. Catalysis Letters, 1996, 37, 193-197.	2.6	52
16	Selective oxidation of cyclohexane to cyclohexanol by BiOI under visible light: Role of the ratio (1 1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	20.2	50
17	Catalytic combustion of methane on Pdâ€“Cu/SiO2 catalysts. Catalysis Today, 2000, 62, 209-217.	4.4	49
18	Fischerâ€“Tropsch synthesis over LaFe1âˆ’xCoxO3 perovskites from a simulated biosyngas feed. Applied Catalysis A: General, 2010, 381, 253-260.	4.3	49

#	Article	IF	Citations
19	Effect of Bâ€site cation on the catalytic activity of La_{1â^’x}Ca_xBO₃ (B) Tj ETQq1 1 0.784314 rgBT Biotechnology, 2011, 86, 1067-1073.	3.2	47
20	Solâ€“gel La 2 O 3 â€“ZrO 2 mixed oxide catalysts for biodiesel production. Journal of Energy Chemistry, 2018, 27, 565-572.	12.9	46
21	The nature of the support and the metal precursor on the resistance to sulphur poisoning of Pt supported catalysts. Applied Catalysis A: General, 1997, 163, 145-152.	4.3	45
22	Thermal stability against reduction of LaMn1â^’yCoyO3 perovskites. Materials Research Bulletin, 2009, 44, 846-853.	5.2	42
23	Methane combustion on Rh/ZrO2 catalysts. Applied Catalysis B: Environmental, 1998, 17, L7-L13.	20.2	40
24	Mesostructured silicas as supports for palladium-catalyzed hydrogenation of phenyl acetylene and 1-phenyl-1-hexyne to alkenes. Journal of Molecular Catalysis A, 2006, 247, 145-152.	4.8	39
25	Effective coupling of Cu (II) with BiOCl nanosheets for high performance electrochemical supercapacitor and enhanced photocatalytic applications. Applied Surface Science, 2020, 521, 146362.	6.1	39
26	Surface Structures of Rhâ^’Cu Solâ^’Gel Catalysts and Performance for Crotonaldehyde Hydrogenation. Langmuir, 2001, 17, 522-527.	3.5	38
27	Stereoselective oxidation of R-(+)-limonene by chloroperoxidase from Caldariomyces fumago. Green Chemistry, 2008, 10, 647.	9.0	38
28	Ni nanoparticles prepared from Ce substituted LaNiO3 for the guaiacol conversion. Applied Catalysis A: General, 2014, 481, 1-10.	4.3	37
29	Catalytic Combustion of Methane on Fe-TiO2 Catalysts Prepared by Sol-Gel Method. Journal of Sol-Gel Science and Technology, 2003, 27, 205-214.	2.4	36
30	Structural, magnetic and catalytic properties of perovskite-type mixed oxides LaMn1â^’yCoyO3 (y=0.0, 0.1,) Tj ETQq0 0 0 rgBT /Overlock	4.8	35
31	Soot Oxidation on Silver-Substituted LaMn_{0.9}Co_{0.1}O₃ Perovskites. Industrial & Engineering Chemistry Research, 2014, 53, 10090-10096.	3.7	35
32	Lanthanum oxide behavior in La2O3-Al2O3 and La2O3-ZrO2 catalysts with application in FAME production. Fuel, 2019, 253, 400-408.	6.4	34
33	o-xylene hydrogenation on supported ruthenium catalysts. Catalysis Letters, 1997, 46, 71-75.	2.6	33
34	Effect of precursors on surface and catalytic properties of Fe/TiO2catalysts. Journal of Chemical Technology and Biotechnology, 2002, 77, 944-949.	3.2	32
35	Alkynes Hydrogenation over Pd-Supported Catalysts. Catalysis Letters, 2003, 91, 115-121.	2.6	32
36	Promoting effect of Mo on the selective hydrogenation of cinnamaldehyde on Rh/SiO2 catalysts. Catalysis Letters, 2000, 69, 27-32.	2.6	30

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37	Effect of Ca-substitution in La1â^'xCaxFeO3 perovskites on the catalytic activity for soot combustion. Fuel Processing Technology, 2010, 91, 546-549.	7.2	30
38	Promotional effect of palladium in Co-SiO2 core@shell nanocatalysts for selective liquid phase hydrogenation of chloronitroarenes. Journal of Catalysis, 2020, 385, 224-237.	6.2	29
39	Catalytic oxidation of soot over alkaline niobates. Journal of Alloys and Compounds, 2013, 551, 255-261.	5.5	28
40	Effect of A-site deficiency in LaMn0.9Co0.1O3 perovskites on their catalytic performance for soot combustion. Materials Research Bulletin, 2016, 81, 134-141.	5.2	28
41	A comparative study of Pd supported on MCM-41 and SiO2 in the liquid phase hydrogenation of phenyl alkyl acetylenes mixtures. Journal of Molecular Catalysis A, 2005, 231, 67-74.	4.8	27
42	Enhancing oxidation activity and stability of iso-1-cytochrome c and chloroperoxidase by immobilization in nanostructured supports. Journal of Molecular Catalysis B: Enzymatic, 2011, 70, 81-87.	1.8	27
43	Nature of the active sites in Al-MCM-41 nano-structured catalysts for the selective rearrangement of cyclohexanone oxime toward É›-caprolactam. Microporous and Mesoporous Materials, 2014, 200, 110-116.	4.4	27
44	Black Trumpet Mushroom-like ZnS incorporated with Cu3P: Noble metal free photocatalyst for superior photocatalytic H2 production. Journal of Colloid and Interface Science, 2021, 590, 82-93.	9.4	27
45	Ruthenium promotion of Co/SBA-15 catalysts for Fischer-Tropsch synthesis in slurry-phase reactors. Journal of Natural Gas Chemistry, 2012, 21, 722-728.	1.8	22
46	Activity of KNbO3 as catalyst for soot combustion: Effect of the preparation method. Applied Catalysis A: General, 2013, 453, 341-348.	4.3	22
47	Perovskite as nickel catalyst precursor â€" impact on catalyst stability on xylose aqueous-phase hydrogenation. RSC Advances, 2016, 6, 67817-67826.	3.6	22
48	Effect Of The Solvent Used During Preparation On The Properties Of Pt/Al2O3And Ptâ^'Sn/Al2O3Catalysts. Industrial & Engineering Chemistry Research, 2001, 40, 5557-5563.	3.7	21
49	Pd-CeO2 and Pd-La2O3/alumina-supported catalysts: their effect on the catalytic combustion of methane. Journal of Non-Crystalline Solids, 2004, 345-346, 624-627.	3.1	20
50	Characterization and catalytic activity of Al2O3-supported Pt-Co catalysts. Catalysis Letters, 1997, 43, 85-89.	2.6	19
51	Effect of additive Ag on the physicochemical and catalytic properties of LaMn0.9Co0.1O3.5 perovskite. Applied Catalysis A: General, 2009, 371, 78-84.	4.3	19
52	Electronic properties and catalytic performance for DME combustion of lanthanum manganites with partial B-site substitution. Journal of Catalysis, 2016, 338, 47-55.	6.2	19
53	A simple synthesis way to obtain iron-doped TiO2 nanoparticles as photocatalytic surfaces. Chemical Physics Letters, 2019, 732, 136643.	2.6	19
54	Selective styrene oxidation on alkaline tantalates ATaO3 (Aâ€¯=â€¯Li, Na, K) as heterogeneous catalysts. Catalysis Communications, 2019, 119, 28-32.	3.3	19

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55	Micro-Raman study of indium doped zirconia obtained by solâ€“gel. Journal of Non-Crystalline Solids, 2004, 345-346, 116-119.	3.1	17
56	Effect of the promoter and support on the catalytic activity of Pdï£¿CeO2-supported catalysts for CH4combustion. Journal of Chemical Technology and Biotechnology, 2005, 80, 268-272.	3.2	17
57	K2O supported on sol-gel CeO2-Al2O3 and La2O3-Al2O3 catalysts for the transesterification reaction of canola oil. Journal of Molecular Catalysis A, 2016, 423, 503-510.	4.8	17
58	Heterogeneous hydrogenation of nitroaromatic compounds on gold catalysts: Influence of titanium substitution in MCM-41 mesoporous supports. Applied Catalysis A: General, 2016, 517, 110-119.	4.3	17
59	Hydrogenation of tetralin in presence of nitrogen using a noble-bimetallic couple over a Ti-modified SBA-15. Catalysis Today, 2017, 282, 111-122.	4.4	17
60	Stable reduced Ni catalysts for xylose hydrogenation in aqueous medium. Catalysis Today, 2018, 310, 59-67.	4.4	17
61	Magnetic properties of Mn-substituted GdCoxMn1â^'xO3 and LaCoxMn1â^'xO3. Journal of Magnetism and Magnetic Materials, 2008, 320, e61-e64.	2.3	16
62	Changes induced by metal oxide promoters in the performance of Rhâ€“Mo/ZrO2 catalysts during CO and CO2 hydrogenation. Journal of Molecular Catalysis A, 1998, 129, 269-278.	4.8	15
63	Catalytic performance in methane combustion of rare-earth perovskites RECo0.50Mn0.50O3 (RE: La, Er,) Tj ETQq1 1 0.784314 rgBT /Ov	4.4	15
64	Mixed oxides tuned with alkaline metals to improve glycerolysis for sustainable biodiesel production. Catalysis Today, 2017, 279, 209-216.	4.4	15
65	Study of the effect of cobalt content in obtaining olefins and paraffins using the Fischer-Tropsch reaction. Catalysis Today, 2011, 172, 152-157.	4.4	14
66	Effect of activation atmosphere in the Fischerâ€“Tropsch Synthesis using a â€œquasi-modelâ€•catalyst of Î³-Fe2O3 nanoparticles supported on SBA-15. Journal of Catalysis, 2016, 335, 36-46.	6.2	14
67	Preparation and characterization of a supported system of Ni2P/Ni12P5 nanoparticles and their use as the active phase in chemoselective hydrogenation of acetophenone. Nanotechnology, 2018, 29, 215702.	2.6	14
68	Enhancing xylose aqueous-phase hydrogenation catalytic performance of A-site Ce substituted and B-site Rh doped reduced perovskites. Molecular Catalysis, 2017, 436, 182-189.	2.0	13
69	Resistance to sulphur poisoning of alumina-supported iridium catalysts in toluene hydrogenation and methylcyclohexane dehydrogenation. Journal of Chemical Technology and Biotechnology, 1998, 73, 1-6.	3.2	12
70	Ultrasound-Assisted Room Temperature Synthesis of Flower-Like-Bi₅O₇I-Incorporated Reduced Graphene Oxide Nanosheets for Highly Efficient Visible-Light Photocatalytic Activity. Journal of Physical Chemistry C, 2020, 124, 20898-20910.	3.1	12
71	BiOCl ultrathin nanosheets modified with Fe3+ for enhanced visible light driven photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 411, 113211.	3.9	12
72	Pt/SiO2 catalysts obtained by the sol-gel method. Influence of the pH of gelation on the surface and catalytic properties. Reaction Kinetics and Catalysis Letters, 1997, 61, 237-244.	0.6	11

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73	Alkaline niobates ANbO₃ (A = Li, Na, K) as heterogeneous catalysts for dipropyl sulfide oxidation. RSC Advances, 2016, 6, 102015-102022.	3.6	11
74	Dry reforming of methane on grafted-supported Rh catalysts: effect of the metal-support interaction on the reaction rate. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 459-475.	1.7	11
75	Influence of phosphorous upon the formation of DMPO- OH and POBN-O2Â¯ spin-trapping adducts in carbon-supported P-promoted Fe-based photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112362.	3.9	10
76	The consequences of support identity on the oxidative conversion of furfural to maleic anhydride on vanadia catalysts. Applied Catalysis A: General, 2020, 595, 117513.	4.3	10
77	Catalytic oxidation of 2-(methylthio)-benzothiazole on alkaline earth titanates, ATiO3 (A = Ca, Sr, Ba). Molecular Catalysis, 2017, 438, 76-85.	2.0	10
78	Structure and activity of LaMn1â˜’yCoyO3 perovskites. Reaction Kinetics and Catalysis Letters, 2007, 91, 353-359.	0.6	9
79	Cobalt SiO2 core-shell catalysts for chemoselective hydrogenation of cinnamaldehyde. Catalysis Today, 2020, 356, 330-338.	4.4	9
80	Novel MoSe2â€“Ni(OH)2 nanocomposite as an electrocatalyst for high efficient hydrogen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 32471-32479.	7.1	9
81	The effect of Mo on the catalytic and surface properties of Rh-Mo/ZrO2 catalysts. Catalysis Letters, 1995, 34, 331-341.	2.6	8
82	Environmentally friendly heterogeneous solâ€“gel La2O3â€“Al2O3 mixed oxides for transesterification reaction. Chemical Papers, 2018, 72, 2353-2362.	2.2	8
83	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 865-867.	2.4	7
84	Ordered mesoporous silicates of MCM-41 type as support of pt catalysts for the enantioselective hydrogenation of 1-phenyl-1,2-propanedione. Reaction Kinetics and Catalysis Letters, 2005, 87, 121-128.	0.6	7
85	Active potassium niobates and titanoniobates as catalysts for organic sulfide remediation. Catalysis Communications, 2016, 76, 58-61.	3.3	7
86	Anataseâ€“CMK-3 nanocomposite development for hydrogen uptake and storage. Bulletin of Materials Science, 2017, 40, 271-280.	1.7	7
87	The Effect of the ZrO2 Loading in SiO2@ZrO2-CaO Catalysts for Transesterification Reaction. Materials, 2020, 13, 221.	2.9	7
88	Catalytic combustion of ethyl acetate over ceria-promoted platinum supported on Al2O3 and ZrO2 catalysts. Journal of Sol-Gel Science and Technology, 2006, 37, 169-174.	2.4	6
89	Doping of lanthanum cobaltite by Mn: thermal, magnetic, and catalytic effect. Journal of Materials Science, 2008, 43, 5282-5290.	3.7	5
90	Influence of the synthesis conditions on the incorporation of B and the acidity in B-MCM-41 materials. Microporous and Mesoporous Materials, 2018, 258, 269-276.	4.4	5

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91	Magnetic Fe2O3â€“SiO2â€“MeO2â€“Pt (Me = Ti, Sn, Ce) as Catalysts for the Selective Hydrogenation of Cinnamaldehyde. Effect of the Nature of the Metal Oxide. Materials, 2019, 12, 413.	2.9	5
92	Tailoring the stability and photo-Fenton activity of Fe-modified nanostructured silicates by tuning the metal speciation from different synthesis conditions. Molecular Catalysis, 2020, 481, 110217.	2.0	5
93	Catalytic combustion of methane over LaFeO3 perovskites: the influence of coprecipitation pH and ageing time. Journal of the Chilean Chemical Society, 2006, 51, .	1.2	5
94	Methane combustion on sol-gel Rh/ZrO2-SiO2 catalysts. Journal of Chemical Technology and Biotechnology, 1999, 74, 897-903.	3.2	4
95	Hydrogenation of Cinnamaldehyde on Ir/Î³-Al2O3 Catalysts. Influence of the Surface Acidity. Reaction Kinetics and Catalysis Letters, 2001, 74, 127-133.	0.6	4
96	Kinetics of methane combustion on Fe2O3/TiO2catalysts. Reaction Kinetics and Catalysis Letters, 2003, 80, 375-381.	0.6	4
97	Sol-gel titania modified with Ba and Li atoms for catalytic combustion. Journal of Materials Science, 2004, 39, 565-570.	3.7	4
98	Titanium substituted potassium tantalates (KTaxTi1-xO3 x= 1.0, 0.8, 0.6, 0.5): Catalysts for the methyl phenyl sulfide oxidation. Molecular Catalysis, 2020, 482, 110685.	2.0	4
99	Methylcyclohexane dehydrogenation on Rh/Î³-Al2O3 catalysts. Journal of Chemical Technology and Biotechnology, 1994, 59, 233-236.	3.2	3
100	REACTION KINETICS OF METHANE COMBUSTION OVER La1-x Ca FeO3 PEROVSKITES. Journal of the Chilean Chemical Society, 2011, 56, 895-900.	1.2	3
101	Magnetic Fe3O4@SiO2â€“Pt and Fe3O4@SiO2â€“Pt@SiO2 Structures for HDN of Indole. Materials, 2019, 12, 3878.	2.9	3
102	Magnetic Pt single and double core-shell structures for the catalytic selective hydrogenation of cinnmaladehyde. Pure and Applied Chemistry, 2020, 92, 413-427.	1.9	3
103	CATALYTIC COMBUSTION OF TOLUENE ON Pd-Cu/SiO2 CATALYSTS. Journal of the Chilean Chemical Society, 2000, 45, .	0.1	3
104	CATALYTIC OZONATION OF OXALIC ACID WITH MnO2/TiO2 AND Rh/TiO2. Journal of the Chilean Chemical Society, 2006, 51, .	1.2	3
105	Chiral Pt/ZrO2 Catalysts. Enantioselective Hydrogenation of 1-phenyl-1,2-propanedione. Molecules, 2010, 15, 3428-3440.	3.8	2
106	CATALYTIC COMBUSTION OF SOOT ON Ce-DOPED LANTHANUM COBALTITES. Journal of the Chilean Chemical Society, 2014, 59, 2725-2730.	1.2	2
107	TOXICITY STUDIES DURING THE DEGRADATION OF PENTACHLOROPHENOL BY OZONATION IN THE PRESENCE OF MnO2/TiO2. Journal of the Chilean Chemical Society, 2018, 63, 4090-4097.	1.2	2
108	Pd-Co catalysts prepared from palladium-doped cobalt titanate precursors for chemoselective hydrogenation of halonitroarenes. Molecular Catalysis, 2020, 482, 110702.	2.0	2

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109	Perovskitas manganitas con Mn sustituido TRCo_xMn_{1-x}O₃: comparaciÃ³n entre las propiedades magnÃ©ticas de LaCo_xMn_{1-x}O₃ y de GdCo_xMn_{1-x}O₃. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2008, 47, 207-212.	1.9	2
110	Selective Oxofunctionalization of Cyclohexane and Benzyl Alcohol over BiOI/TiO2 Heterojunction. Catalysts, 2022, 12, 318.	3.5	2
111	Resistance to sulfur poisoning of Rh supported catalysts. Reaction Kinetics and Catalysis Letters, 1999, 67, 177-182.	0.6	1
112	EFFECT OF COOPER ON THE CATALYTIC ACTIVITY FOR ACETYLACETATE COMBUSTION OF Ca1-x Cu xZrO3 AND Sr1-xCu xZrO3 PEROVSKITE-TYPE OXIDES. Journal of the Chilean Chemical Society, 2013, 58, 1941-1946.	1.2	1
113	Kinetic and structural understanding of bulk and supported vanadium-based catalysts for furfural oxidation to maleic anhydride. Catalysis Science and Technology, 2021, 11, 6477-6489.	4.1	1
114	Potassium niobates substituted with titanium as novel photocatalysts. Materials Letters, 2021, 305, 130817.	2.6	0