

# Jose Gonzalo Hernandez Cortez

## List of Publications by Year in descending order

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24  
papers

819  
citations

687363

13  
h-index

642732

23  
g-index

24  
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24  
docs citations

24  
times ranked

1176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption and photocatalytic degradation of phenol and 2,4 dichlorophenoxyacetic acid by Mg <sup>2+</sup> /Zn <sup>2+</sup> /Al layered double hydroxides. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 330-338.	20.2	232
2	Thermal stability of 12-tungstophosphoric acid supported on zirconia. <i>Applied Catalysis A: General</i> , 2000, 193, 215-225.	4.3	156
3	Calcined layered double hydroxides Mg <sup>2+</sup> /Me <sup>2+</sup> /Al (Me: Cu, Fe, Ni, Zn) as bifunctional catalysts. <i>Catalysis Today</i> , 2010, 150, 340-345.	4.4	78
4	Skeletal isomerization of 1-butene on 12-tungstophosphoric acid supported on zirconia. <i>Applied Catalysis A: General</i> , 1998, 175, 43-53.	4.3	52
5	Advances in the transesterification of triglycerides to biodiesel using MgO <sup>2+</sup> /NaOH, MgO <sup>2+</sup> /KOH and MgO <sup>2+</sup> /CeO <sub>2</sub> as solid basic catalysts. <i>Catalysis Today</i> , 2013, 212, 23-30.	4.4	49
6	Liquid phase alkylation of benzene with dec-1-ene catalyzed on supported 12-tungstophosphoric acid. <i>Catalysis Today</i> , 2010, 150, 346-352.	4.4	31
7	Long-term evaluation of NiMo/alumina <sup>2+</sup> /carbon black composite catalysts in hydroconversion of Mexican 538 <sup>o</sup> C+ vacuum residue. <i>Catalysis Today</i> , 2005, 109, 69-75.	4.4	30
8	Study of hydrotalcite-supported transition metals as catalysts for crude glycerol hydrogenolysis. <i>Molecular Catalysis</i> , 2019, 468, 9-18.	2.0	29
9	Study of acid <sup>+</sup> /base properties of supported heteropoly acids in the reactions of secondary alcohols dehydration. <i>Catalysis Today</i> , 2014, 220-222, 32-38.	4.4	20
10	Uniformly sized Pt nanoparticles dispersed at high loading on Titania nanotubes. <i>Applied Catalysis A: General</i> , 2020, 600, 117631.	4.3	18
11	Sol <sup>+</sup> -gel silica modified with phosphate and sulfate ions. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 643-646.	3.1	17
12	Synthesis and catalytic activity of chrysotile-type magnesium silicate nanotubes using various silicate sources. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 176-182.	4.4	16
13	Differential scanning calorimetry characterization of water-in-oil emulsions from Mexican crude oils. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 899-906.	3.6	15
14	Thermally Induced Phase Transformation on 12-Tungstophosphoric Acid/ZrO <sub>2</sub> Sol-Gel. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 213-216.	2.4	13
15	Experimental and theoretical study of bifunctionalized PEO <sup>+</sup> /PPO <sup>+</sup> /PEO triblock copolymers with applications as dehydrating agents for heavy crude oil. <i>Arabian Journal of Chemistry</i> , 2017, 10, 410-419.	4.9	12
16	One-Pot Synthesis of Ru-Doped ZnO Oxides for Photodegradation of 4-Chlorophenol. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-12.	2.5	12
17	Synthesis of transition metal doped lamellar double hydroxides as base catalysts for acetone aldol condensation. <i>Applied Clay Science</i> , 2015, 118, 188-194.	5.2	9
18	Selective Vanillin Hydrodeoxygenation on Synthetic Takovite Derived NiAlO <sub>x</sub> Mixed Oxide. <i>Topics in Catalysis</i> , 2020, 63, 428-436.	2.8	9

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19	Acid and base properties of molybdophosphoric acid supported on zirconia: Characterized by IR spectroscopy, TPD and catalytic activity. <i>Fuel</i> , 2012, 100, 144-151.	6.4	8
20	Recent progress on catalyst technologies for high quality gasoline production. <i>Catalysis Reviews - Science and Engineering</i> , 2023, 65, 1079-1299.	12.9	8
21	Effect of Ga in the photocatalytic properties of TiO <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , 2009, 167, 012048.	0.4	2
22	Formation of diisopropyl ether from 2-propanol using Keggin-type H <sub>3</sub> [W <sub>12</sub> PO <sub>40</sub> ] and H <sub>4</sub> [W <sub>12</sub> SiO <sub>40</sub> ] heteropolyacids supported on Zirconia. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 2591-2596.	1.5	1
23	Production of Di-isopropyl ether (DIPE) over 12-Molybdophosphoric Acid Supported on ZrO <sub>2</sub> . An Alternative Octane Enhancer for Lead-free Petrol. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1279, 1.	0.1	1
24	Thermal Stability and Hydrolysis Catalysts Effect on Sol-Gel Zirconia in The Presence of Heteropolyacids. , 2003, , 221-229.		1