Luis R Pizzio

List of Publications by Year
in descending order

77 papers	1,564 citations	279798 23 h-index	361022 35 g-index
77 all docs	77 docs citations	77 times ranked	1591 citing authors

#	Article	IF	Citations
1	Tungstophosphoric and tungstosilicic acids on carbon as acidic catalysts. Applied Catalysis A: General, 2001, 208, 7-19.	4.3	104
2	A contribution to the physicochemical characterization of nonstoichiometric salts of tungstosilicic acid. Microporous and Mesoporous Materials, 2007, 103, 40-47.	4.4	83
3	Isoamyl acetate production catalyzed by H3PW12O40 on their partially substituted Cs or K salts. Applied Catalysis A: General, 2003, 255, 265-277.	4.3	80
4	Composite H3PW12O40â€“TiO2 catalysts for toluene selective photo-oxidation. Applied Catalysis B: Environmental, 2018, 225, 100-109.	20.2	58
5	In situ generated TiO 2 over zeolitic supports as reusable photocatalysts for the degradation of dichlorvos. Applied Catalysis B: Environmental, 2015, 162, 167-173.	20.2	54
6	Tungstophosphoric and Molybdophosphoric Acids Supported on Zirconia as Esterification Catalysts. Catalysis Letters, 2001, 77, 233-239.	2.6	53
7	TiO2 modified with polyoxotungstates should induce visible-light absorption and high photocatalytic activity through the formation of surface complexes. Applied Catalysis B: Environmental, 2016, 189, 99-109.	20.2	51
8	Low-frequency ultrasound induces oxygen vacancies formation and visible light absorption in TiO2 P-25 nanoparticles. Ultrasonics Sonochemistry, 2012, 19, 383-386.	8.2	45
9	Synthesis and characterization of a novel tungstosilicic acid immobilized on zeolites catalyst for the photodegradation of methyl orange. Applied Catalysis B: Environmental, 2016, 188, 23-30.	20.2	44
10	Direct modification with tungstophosphoric acid of mesoporous titania synthesized by urea-templated solâ€“gel reactions. Journal of Colloid and Interface Science, 2008, 327, 403-411.	9.4	41
11	Supported trifluoromethanesulfonic acid as catalyst in the synthesis of flavone and chromone derivatives. Applied Catalysis A: General, 2007, 324, 62-68.	4.3	39
12	Abatement of 2,4-D by H2O2 solar photolysis and solar photo-Fenton-like process with minute Fe(III) concentrations. Water Research, 2018, 144, 572-580.	11.3	39
13	Tungstophosphoric acid/zirconia composites prepared by the solâ€“gel method: An efficient and recyclable green catalyst for the one-pot synthesis of 14-aryl-14H-dibenzo[a,j]xanthenes. Applied Catalysis A: General, 2012, 443-444, 207-213.	4.3	32
14	Photocatalytic discoloration of aqueous malachite green solutions by UV-illuminated TiO2 nanoparticles under air and nitrogen atmospheres: effects of counter-ions and pH. Photochemical and Photobiological Sciences, 2011, 10, 29-34.	2.9	30
15	Tungstosilicate salts as catalysts in phenol tetrahydropyranylation and depyranylation. Applied Catalysis A: General, 2005, 295, 209-215.	4.3	29
16	Mesoporous titania: effect of thermal treatment on the texture and acidic properties. Materials Letters, 2005, 59, 994-997.	2.6	28
17	Adsorption of Tungstophosphoric or Tungstosilicic Acids from Ethanolâ€“Water Solutions on Carbon. Journal of Colloid and Interface Science, 1997, 190, 318-326.	9.4	27
18	Mesoporous titania directly modified with tungstophosphoric acid: Synthesis, characterization and catalytic evaluation. Applied Catalysis A: General, 2009, 358, 73-78.	4.3	25

#	Article	IF	Citations
19	Degradation study of malachite green on chitosan films containing heterojunctions of melon/TiO2 absorbing visible-light in solid-gas interfaces. Applied Catalysis B: Environmental, 2019, 244, 773-785.	20.2	25
20	Equilibrium adsorption of 11-tungstophosphate anion on different supports. Applied Surface Science, 1999, 151, 91-101.	6.1	24
21	Photocatalytic bleaching of aqueous malachite green solutions by UV-A and blue-light-illuminated TiO2 spherical nanoparticles modified with tungstophosphoric acid. Applied Catalysis B: Environmental, 2011, 110, 126-132.	20.2	24
22	Carbon-supported metal-modified lacunary tungstosilicic polyoxometallates used as catalysts in the selective oxidation of sulfides. Journal of Molecular Catalysis A, 2015, 403, 27-36.	4.8	24
23	2-Methoxynaphthalene acylation using aluminum or copper salts of tungstophosphoric and tungstosilicic acids as catalysts. Catalysis Today, 2011, 173, 32-37.	4.4	23
24	Tungstophosphoric acid immobilized on ammonium Y and ZSM5 zeolites: Synthesis, characterization and catalytic evaluation. Applied Catalysis B: Environmental, 2013, 130-131, 187-196.	20.2	22
25	Trifluoromethanesulfonic acid immobilized on zirconium oxide obtained by the solâ€“gel method as catalyst in paraben synthesis. Applied Catalysis A: General, 2011, 400, 91-98.	4.3	21
26	Biomass valorization derivatives: Clean esterification of 2-furoic acid using tungstophosphoric acid/zirconia composites as recyclable catalyst. Chemical Engineering Research and Design, 2015, 98, 176-186.	5.6	21
27	NiMo(W)-based hydrotreatment catalysts supported on peach stones activated carbon. Applied Catalysis A: General, 1999, 184, 303-313.	4.3	20
28	Preparation and characterization of transition metal-modified lacunary Keggin 11-tungstophosphates supported on carbon. Materials Letters, 2007, 61, 719-724.	2.6	19
29	Trifluoromethanesulfonic acid supported on carbon used as catalysts in the synthesis of flavones and chromones. Catalysis Communications, 2009, 10, 576-581.	3.3	19
30	SILICA-SUPPORTED HETEROPOLYACIDS READILY INDUCE CYCLODIMERIZATION OF STYRENES AND STILBENES. Synthetic Communications, 2002, 32, 3803-3812.	2.1	18
31	Effect of the support on a new metanethole synthesis heterogeneously catalyzed by Keggin heteropolyacids. Applied Catalysis A: General, 2006, 301, 25-31.	4.3	18
32	Valorization of biomass derivatives: Keggin heteropolyacids supported on titania as catalysts in the suitable synthesis of 2-phenoxyethyl-2-furoate. Journal of Molecular Catalysis A, 2016, 425, 266-274.	4.8	17
33	Heterogeneous acid catalysts prepared by immobilization of H3PW12O40 on silica through impregnation and inclusion, applied to the synthesis of 3H-1,5-benzodiazepines. Molecular Catalysis, 2020, 485, 110842.	2.0	17
34	Title is missing!. Catalysis Letters, 2001, 71, 193-201.	2.6	16
35	Novel catalyst based on mono- and di-vanadium substituted Keggin polyoxometalate incorporated in poly(acrylic acid-co-acrylamide) polymer for the oxidation of sulfides. Molecular Catalysis, 2018, 457, 8-16.	2.0	16
36	Synthesis and characterization of aluminum or copper tungstophosphate and tungstosilicate immobilized in a polymeric blend. European Polymer Journal, 2008, 44, 801-807.	5.4	15

#	Article	IF	Citations
37	Polyvinyl alcoholâ€“polyethylenglycol blends with tungstophosphoric acid addition: Synthesis and characterization. Materials Chemistry and Physics, 2008, 108, 331-336.	4.0	15
38	Influence of the thermal treatment on the physicochemical properties and photocatalytic degradation of 4-chlorophenol in aqueous solutions with tungstophosphoric acid-modified mesoporous titania. Applied Catalysis A: General, 2011, 405, 69-78.	4.3	14
39	Mesoporous activated carbon from sunflower shells modified with sulfonic acid groups as solid acid catalyst for itaconic acid esterification. Catalysis Today, 2021, 372, 51-58.	4.4	14
40	Properties of mesoporous tungstosilicic acid/titania composites prepared by solâ€“gel method. Applied Surface Science, 2010, 256, 3546-3553.	6.1	13
41	Visible light absorption of TiO2 materials impregnated with tungstophosphoric acid ethanolâ€“aqueous solution at different pH values. Evidence about the formation of a surface complex between Keggin anion and TiO2 surfaces. Materials Research Bulletin, 2014, 49, 618-624.	5.2	13
42	Synthesis and Characterization of Hollow Silica Spheres. , 2015, 8, 567-576.		13
43	Self-cleaning and antimicrobial photo-induced properties under indoor lighting irradiation of chitosan films containing Melon/TiO2 composites. Applied Surface Science, 2020, 508, 144895.	6.1	13
44	2,3,5-Trimethylphenol oxidation over Co-based solid catalysts. Applied Catalysis A: General, 2013, 452, 17-23.	4.3	12
45	Transition metal-modified polyoxometalates supported on carbon as catalyst in 2-(methylthio)-benzothiazole sulfoxidation. Journal of Chemical Sciences, 2015, 127, 123-132.	1.5	12
46	Biomass Derivative Valorization Using Nano Core-Shell Magnetic Materials Based on Keggin-Heteropolyacids: Levulinic Acid Esterification Kinetic Study with N-Butanol. Journal of Nanomaterials, 2019, 2019, 1-14.	2.7	12
47	Synthesis and characterization of trifluoromethanesulfonic acid supported on mesoporous titania. Materials Letters, 2006, 60, 3931-3935.	2.6	11
48	Visible-light-absorbing mesoporous TiO2 modified with tungstosilicic acid as photocatalyst in the photodegradation of 4-chlorophenol. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 289, 22-30.	3.9	11
49	Synthesis and characterization of nanoparticulate silica with organized multimodal porous structure impregnated with 12-phosphotungstic acid for its use in heterogeneous catalysis. Molecular Catalysis, 2020, 481, 110210.	2.0	11
50	Tetrabutyl Ammonium Salts of Keggin-Type Vanadium-Substituted Phosphomolybdates and Phosphotungstates for Selective Aerobic Catalytic Oxidation of Benzyl Alcohol. Catalysts, 2022, 12, 507.	3.5	11
51	Hybrid materials based on aluminum tungstophosphate or tungstosilicate as catalysts in anisole acylation. Catalysis Today, 2008, 133-135, 181-186.	4.4	10
52	Polystyrene/silica microspheres with core/shell structure as support of tungstophosphoric acid. Materials Chemistry and Physics, 2016, 171, 281-289.	4.0	10
53	Synthesis and characterization of tungstophosphoric acid-modified mesoporous silica nanoparticles with tuneable diameter and pore size distribution. Journal of Sol-Gel Science and Technology, 2017, 83, 355-364.	2.4	10
54	Green catalytic synthesis of 14-aryl-14H-dibenzo[a,j]xanthenes using recyclable mesoporous zirconia modified with tungstophosphoric acid. Green Chemistry Letters and Reviews, 2012, 5, 433-437.	4.7	9

#	Article	IF	Citations
55	Mesoporous titania/tungstophosphoric acid composites: suitable synthesis of flavones. Journal of Porous Materials, 2013, 20, 1433-1440.	2.6	9
56	Tungstophosphoric Acid Supported on Zirconia: A Recyclable Catalyst for the Green Synthesis on Quinoxaline Derivatives under Solvent-Free Conditions. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 1071-1079.	1.6	9
57	Visible-light-absorbing Evonik P-25 nanoparticles modified with tungstophosphoric acid and their photocatalytic activity on different wavelengths. Materials Research Bulletin, 2016, 83, 360-368.	5.2	9
58	Tungstophosphoric acid immobilized in polyvinyl alcohol hydrogel beads as heterogeneous catalyst. Studies in Surface Science and Catalysis, 2000, 143, 731-738.	1.5	8
59	Comparative study of the catalytic preparation of flavones using Keggin heteropolyacids under homogeneous, heterogeneous and solvent free conditions. Reaction Kinetics, Mechanisms and Catalysis, 2010, 100, 165.	1.7	8
60	Facile photocatalytic immobilization strategy for P-25 TiO2 nanoparticles on low density polyethylene films and their UV-A photo-induced super hydrophilicity and photocatalytic activity. Catalysis Today, 2021, 372, 11-19.	4.4	8
61	Dodecatungstocobaltate supported over ZSM-5 zeolite as novel solid catalyst in selective sulfide oxidation. Journal of Porous Materials, 2016, 23, 947-956.	2.6	7
62	A green and reusable catalytic system based on silicopolyoxotungstovanadates incorporated in a polymeric material for the selective oxidation of sulfides to sulfones. Microporous and Mesoporous Materials, 2021, 310, 110584.	4.4	7
63	An Efficient and Green Catalytic Method for FriedlÃnder Quinoline Synthesis Using Tungstophosphoric Acid Included in a Polymeric Matrix. Current Catalysis, 2015, 4, 65-72.	0.5	6
64	Chitosan films containing TiO2 nanoparticles modified with tungstophosphoric acid for the photobleaching of malachite green in solid-gas interfaces upon different wavelengths. Molecular Catalysis, 2018, 448, 1-9.	2.0	6
65	Tungstophosphoric acid/mesoporous silicas as suitable catalysts in quinoxaline synthesis. Molecular Catalysis, 2022, 517, 112046.	2.0	6
66	TiO2 nanorods doped with g-C3N4 â€“ Polyethylene composite coating for self-cleaning applications. Materials Chemistry and Physics, 2022, 288, 126356.	4.0	6
67	Dehydration of Alcohols Catalysed by Heteropolyacids Supported on Silica. Journal of Chemical Research, 2001, 2001, 508-510.	1.3	5
68	Preparation of acetates catalyzed by boric acid and/or tungstophosphoric acid-modified zirconia obtained employing polyethylene glycols as pore-forming agents. Journal of Molecular Catalysis A, 2017, 426, 88-96.	4.8	5
69	Synthesis and characterization of tungstophosphoric acid-modified mesoporous sponge-like TUD-1 materials. Journal of Sol-Gel Science and Technology, 2018, 87, 204-215.	2.4	5
70	Keggin heteropolyacid as catalyst for olefin epoxidation: A multiphase approach. Sustainable Chemistry and Pharmacy, 2020, 15, 100201.	3.3	5
71	Removal of diclofenac and ibuprofen on mesoporous activated carbon from agro-industrial wastes prepared by optimized synthesis employing a central composite design. Biomass Conversion and Biorefinery, 0, , 1.	4.6	5
72	Adsorption and Impregnation of Alumina with Molybdenum or Tungsten Solutions. Adsorption Science and Technology, 1996, 13, 165-176.	3.2	4

#	Article	IF	Citations
73	Unexpected Result in the Catalytic Solvent-free Multicomponent Synthesis of 2-Amino-3-cyano-4H-chromene. Organic Preparations and Procedures International, 2019, 51, 443-455.	1.3	4
74	Titania hollow spheres modified with tungstophosphoric acid with enhanced visible light absorption for the photodegradation of 4-chlorophenol. Photochemical and Photobiological Sciences, 2017, 16, 46-52.	2.9	3
75	Synthesis and characterization of catalysts obtained by trifluoromethanesulfonic acid immobilization on zirconia. Studies in Surface Science and Catalysis, 2010, , 405-408.	1.5	2
76	Polymer-immobilized aluminium or copper tungstophosphates and tungstosilicates as new catalysts in anisole acylation. Studies in Surface Science and Catalysis, 2006, 162, 793-800.	1.5	1
77	Nanoestructuras de sÃ‡lice, con diÃ¡metro y distribuciÃ³n de mesoporos variable, modificadas con Ã¡cido tungstofosfÃ³rico como catalizadores en la sÃntesis de quinoxalinas. Revista Colombiana De Quimica, 2020, 49, 37-43.	0.4	1