

Dimitris I Kondarides

List of Publications by Year in descending order

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29994

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93
all docs

93
docs citations

93
times ranked

9697
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production by steam reforming of propane and LPG over supported metal catalysts. Applied Catalysis B: Environmental, 2022, 306, 121129.	10.8	20
2	Propane Steam Reforming over Catalysts Derived from Noble Metal (Ru, Rh)-Substituted LaNiO ₃ and La _{0.8} Sr _{0.2} NiO ₃ Perovskite Precursors. Nanomaterials, 2021, 11, 1931.	1.9	10
3	Support Induced Effects on the Ir Nanoparticles Activity, Selectivity and Stability Performance under CO ₂ Reforming of Methane. Nanomaterials, 2021, 11, 2880.	1.9	23
4	Photocatalytic hydrogen production over mixed Cd-Zn sulfide catalysts promoted with nickel or nickel phosphide. Catalysis Today, 2020, 355, 851-859.	2.2	13
5	Preface for SI: Catalysis for Energy and Environmental Applications. Catalysis Today, 2020, 355, 645-646.	2.2	0
6	CO ₂ Hydrogenation to Methanol over La ₂ O ₃ -Promoted CuO/ZnO/Al ₂ O ₃ Catalysts: A Kinetic and Mechanistic Study. Catalysts, 2020, 10, 183.	1.6	15
7	Nanoscale Mn ₃ O ₄ Thin Film Photoelectrodes Fabricated by a Vapor-Phase Route. ACS Applied Energy Materials, 2019, 2, 8294-8302.	2.5	6
8	Controlled Surface Modification of ZnO Nanostructures with Amorphous TiO ₂ for Photoelectrochemical Water Splitting. Advanced Sustainable Systems, 2019, 3, 1900046.	2.7	15
9	Copper phosphide and persulfate salt: A novel catalytic system for the degradation of aqueous phase micro-contaminants. Applied Catalysis B: Environmental, 2019, 244, 178-187.	10.8	88
10	Effect of support oxygen storage capacity on the catalytic performance of Rh nanoparticles for CO ₂ reforming of methane. Applied Catalysis B: Environmental, 2019, 243, 490-501.	10.8	178
11	Immobilized Ag ₃ PO ₄ photocatalyst for micro-pollutants removal in a continuous flow annular photoreactor. Catalysis Today, 2019, 328, 223-229.	2.2	31
12	Synthesis and characterization of CoOx/BiVO ₄ photocatalysts for the degradation of propyl paraben. Journal of Hazardous Materials, 2019, 372, 52-60.	6.5	63
13	Solar photocatalytic abatement of sulfamethoxazole over Ag ₃ PO ₄ /WO ₃ composites. Applied Catalysis B: Environmental, 2018, 231, 73-81.	10.8	76
14	Pd-Zn/C bimetallic electrocatalysts for oxygen reduction reaction. Journal of Applied Electrochemistry, 2018, 48, 675-689.	1.5	11
15	Solar light-induced degradation of ethyl paraben with CuO x /BiVO ₄ : Statistical evaluation of operating factors and transformation by-products. Catalysis Today, 2017, 280, 122-131.	2.2	29
16	Fast photocatalytic degradation of bisphenol A by Ag ₃ PO ₄ /TiO ₂ composites under solar radiation. Catalysis Today, 2017, 280, 99-107.	2.2	68
17	Solar photocatalytic degradation of bisphenol A with CuO x /BiVO ₄ : Insights into the unexpectedly favorable effect of bicarbonates. Chemical Engineering Journal, 2017, 318, 39-49.	6.6	112
18	Photodegradation of ethyl paraben using simulated solar radiation and Ag ₃ PO ₄ photocatalyst. Journal of Hazardous Materials, 2017, 323, 478-488.	6.5	66

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19	Comparison of the Activity of Pd-M (M: Ag, Co, Cu, Fe, Ni, Zn) Bimetallic Electrocatalysts for Oxygen Reduction Reaction. <i>Topics in Catalysis</i> , 2017, 60, 1260-1273.	1.3	47
20	Glycerol steam reforming over modified Ru/Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2017, 542, 201-211.	2.2	38
21	Photocatalytic degradation of bisphenol A over Rh/TiO ₂ suspensions in different water matrices. <i>Catalysis Today</i> , 2017, 284, 59-66.	2.2	61
22	Solar photocatalytic degradation of sulfamethoxazole over tungsten Modified TiO ₂ . <i>Chemical Engineering Journal</i> , 2017, 318, 143-152.	6.6	92
23	Glycerol steam reforming over modified Ni-based catalysts. <i>Applied Catalysis A: General</i> , 2016, 518, 129-141.	2.2	56
24	Correlating the properties of hydrogenated titania to reaction kinetics and mechanism for the photocatalytic degradation of bisphenol A under solar irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 65-76.	10.8	52
25	Hysteresis phenomena and rate fluctuations under conditions of glycerol photo-reforming reaction over CuOx/TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 201-209.	10.8	62
26	Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO ₂ catalysts. <i>Water Research</i> , 2015, 81, 157-166.	5.3	102
27	Synthesis and characterization of N-doped TiO ₂ photocatalysts with tunable response to solar radiation. <i>Applied Surface Science</i> , 2014, 305, 281-291.	3.1	48
28	Kinetic and mechanistic study of the photocatalytic reforming of methanol over Pt/TiO ₂ catalyst. <i>Applied Catalysis B: Environmental</i> , 2014, 146, 249-257.	10.8	104
29	Methanol dehydration to dimethylether over Al ₂ O ₃ catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 136-148.	10.8	129
30	Quantum Dot Sensitized Titania as Visible-light Photocatalyst for Solar Operation of Photofuel Cells. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	4
31	Photocatalytic Production of Renewable Hydrogen. , 2013, , 495-527.		0
32	Kinetics and mechanism of glycerol photo-oxidation and photo-reforming reactions in aqueous TiO ₂ and Pt/TiO ₂ suspensions. <i>Catalysis Today</i> , 2013, 209, 91-98.	2.2	119
33	Photocatalysis and photoelectrocatalysis using nanocrystalline titania alone or combined with Pt, RuO ₂ or NiO co-catalysts. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 737-743.	1.5	20
34	Quantum Dot Sensitized Titania Applicable as Photoanode in Photoactivated Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16901-16909.	1.5	47
35	Mechanistic aspects of the selective methanation of CO over Ru/TiO ₂ catalyst. <i>Catalysis Today</i> , 2012, 181, 138-147.	2.2	120
36	Solar photocatalysis for the abatement of emerging micro-contaminants in wastewater: Synthesis, characterization and testing of various TiO ₂ samples. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 283-291.	10.8	57

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37	Chemical Reaction Engineering and Catalysis Issues in Distributed Power Generation Systems. Industrial & Engineering Chemistry Research, 2011, 50, 523-530.	1.8	32
38	Mechanistic Study of the Selective Methanation of CO over Ru/TiO ₂ Catalyst: Identification of Active Surface Species and Reaction Pathways. Journal of Physical Chemistry C, 2011, 115, 1220-1230.	1.5	187
39	Production of peroxide species in Pt/TiO ₂ suspensions under conditions of photocatalytic water splitting and glycerol photoreforming. Chemical Engineering Journal, 2011, 170, 433-439.	6.6	106
40	Effects of promotion of TiO ₂ with alkaline earth metals on the chemisorptive properties and water-gas shift activity of supported platinum catalysts. Applied Catalysis B: Environmental, 2011, 101, 738-746.	10.8	71
41	Catalytic oxidation of toluene over binary mixtures of copper, manganese and cerium oxides supported on γ-Al ₂ O ₃ . Applied Catalysis B: Environmental, 2011, 103, 275-286.	10.8	305
42	Photocatalysis and photoelectrocatalysis using (CdS-ZnS)/TiO ₂ combined photocatalysts. Applied Catalysis B: Environmental, 2011, 107, 188-196.	10.8	165
43	Anaerobic Photocatalytic Oxidation of Carbohydrates in Aqueous Pt/TiO ₂ Suspensions with Simultaneous Production of Hydrogen. Journal of Advanced Oxidation Technologies, 2010, 13, .	0.5	10
44	An efficient photoelectrochemical cell functioning in the presence of organic wastes. Solar Energy Materials and Solar Cells, 2010, 94, 592-597.	3.0	78
45	Aldol condensation products during photocatalytic oxidation of ethanol in a photoelectrochemical cell. Applied Catalysis B: Environmental, 2010, 100, 124-132.	10.8	27
46	Mechanistic Aspects of the Ethanol Steam Reforming Reaction for Hydrogen Production on Pt, Ni, and PtNi Catalysts Supported on γ-Al ₂ O ₃ . Journal of Physical Chemistry A, 2010, 114, 3873-3882.	1.1	103
47	Solar Light-Responsive Pt/CdS/TiO ₂ Photocatalysts for Hydrogen Production and Simultaneous Degradation of Inorganic or Organic Sacrificial Agents in Wastewater. Environmental Science & Technology, 2010, 44, 7200-7205.	4.6	300
48	Kinetic and mechanistic studies of the water-gas shift reaction on Pt/TiO ₂ catalyst. Journal of Catalysis, 2009, 264, 117-129.	3.1	168
49	Effects of alkali promotion of TiO ₂ on the chemisorptive properties and water-gas shift activity of supported noble metal catalysts. Journal of Catalysis, 2009, 267, 57-66.	3.1	141
50	Photooxidation Products of Ethanol During Photoelectrochemical Operation Using a Nanocrystalline Titania Anode and a Two Compartment Chemically Biased Cell. Catalysis Letters, 2009, 129, 344-349.	1.4	32
51	Catalytic Activity of Supported Platinum and Metal Oxide Catalysts for Toluene Oxidation. Topics in Catalysis, 2009, 52, 517-527.	1.3	85
52	Efficient production of hydrogen by photo-induced reforming of glycerol at ambient conditions. Catalysis Today, 2009, 144, 75-80.	2.2	221
53	Selective methanation of CO over supported Ru catalysts. Applied Catalysis B: Environmental, 2009, 88, 470-478.	10.8	221
54	Hydrogen Production by Photo-Induced Reforming of Biomass Components and Derivatives at Ambient Conditions. Catalysis Letters, 2008, 122, 26-32.	1.4	305

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55	Selective methanation of CO over supported noble metal catalysts: Effects of the nature of the metallic phase on catalytic performance. <i>Applied Catalysis A: General</i> , 2008, 344, 45-54.	2.2	236
56	A comparative study of the selective catalytic reduction of NO by propylene over supported Pt and Rh catalysts. <i>Applied Catalysis B: Environmental</i> , 2008, 80, 260-270.	10.8	38
57	Effects of alkali additives on the physicochemical characteristics and chemisorptive properties of Pt/TiO ₂ catalysts. <i>Journal of Catalysis</i> , 2008, 260, 141-149.	3.1	97
58	Photocatalytic degradation of organic pollutants with simultaneous production of hydrogen. <i>Catalysis Today</i> , 2007, 124, 94-102.	2.2	282
59	Water-gas shift activity of doped Pt/CeO ₂ catalysts. <i>Chemical Engineering Journal</i> , 2007, 134, 16-22.	6.6	153
60	Hydrogen production by photocatalytic alcohol reforming employing highly efficient nanocrystalline titania films. <i>Applied Catalysis B: Environmental</i> , 2007, 77, 184-189.	10.8	189
61	Comparative study of the chemisorptive and catalytic properties of supported Pt catalysts related to the selective catalytic reduction of NO by propylene. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 136-148.	10.8	38
62	A comparative study of the water-gas shift activity of Pt catalysts supported on single (MO _x) and composite (MO _x /Al ₂ O ₃ , MO _x /TiO ₂) metal oxide carriers. <i>Catalysis Today</i> , 2007, 127, 319-329.	2.2	83
63	Effect of the nature of the support on the catalytic performance of noble metal catalysts for the water-gas shift reaction. <i>Catalysis Today</i> , 2006, 112, 49-52.	2.2	262
64	Particle size effects on the reducibility of titanium dioxide and its relation to the water-gas shift activity of Pt/TiO ₂ catalysts. <i>Journal of Catalysis</i> , 2006, 240, 114-125.	3.1	245
65	Enhancement of photoinduced hydrogen production from irradiated Pt/TiO ₂ suspensions with simultaneous degradation of azo-dyes. <i>Applied Catalysis B: Environmental</i> , 2006, 64, 171-179.	10.8	187
66	Adsorption of Acid Orange 7 on the Surface of Titanium Dioxide. <i>Langmuir</i> , 2005, 21, 9222-9230.	1.6	136
67	Visible light-induced photocatalytic degradation of Acid Orange 7 in aqueous TiO ₂ suspensions. <i>Applied Catalysis B: Environmental</i> , 2004, 47, 189-201.	10.8	585
68	Effect of morphological characteristics of TiO ₂ -supported noble metal catalysts on their activity for the water-gas shift reaction. <i>Journal of Catalysis</i> , 2004, 225, 327-336.	3.1	241
69	Effect of morphological characteristics of TiO ₂ -supported noble metal catalysts on their activity for the water-gas shift reaction. <i>Journal of Catalysis</i> , 2004, 225, 327-327.	3.1	9
70	Pathways of solar light-induced photocatalytic degradation of azo dyes in aqueous TiO ₂ suspensions. <i>Applied Catalysis B: Environmental</i> , 2003, 40, 271-286.	10.8	520
71	Catalytic reduction of NO by C ₃ H ₆ over Rh/TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2003, 41, 415-426.	10.8	22
72	Production of hydrogen for fuel cells by steam reforming of ethanol over supported noble metal catalysts. <i>Applied Catalysis B: Environmental</i> , 2003, 43, 345-354.	10.8	645

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73	Mechanistic and kinetic study of solar-light induced photocatalytic degradation of Acid Orange 7 in aqueous TiO ₂ suspensions. <i>International Journal of Photoenergy</i> , 2003, 5, 59-67.	1.4	29
74	Production of hydrogen for fuel cells by reformation of biomass-derived ethanol. <i>Catalysis Today</i> , 2002, 75, 145-155.	2.2	428
75	Mechanistic study of the reduction of NO by C ₃ H ₆ in the presence of oxygen over Rh/TiO ₂ catalysts. <i>Catalysis Today</i> , 2002, 73, 213-221.	2.2	45
76	Title is missing!. <i>Catalysis Letters</i> , 2002, 79, 113-117.	1.4	32
77	Steam reforming of biomass-derived ethanol for the production of hydrogen for fuel cell applications. <i>Chemical Communications</i> , 2001, , 851-852.	2.2	131
78	Partial Oxidation of Methane to Synthesis Gas over Ru/TiO ₂ Catalysts: Effects of Modification of the Support on Oxidation State and Catalytic Performance. <i>Journal of Catalysis</i> , 2001, 198, 195-207.	3.1	66
79	Catalytic Reduction of NO by CO over Rhodium Catalysts. <i>Journal of Catalysis</i> , 2000, 190, 446-459.	3.1	94
80	Catalytic Reduction of NO by CO over Rhodium Catalysts. <i>Journal of Catalysis</i> , 2000, 191, 147-164.	3.1	78
81	Catalytic Reduction of NO by CO over Rhodium Catalysts. <i>Journal of Catalysis</i> , 2000, 193, 303-307.	3.1	53
82	The oxidation state of Ru catalysts under conditions of partial oxidation of methane studied by XPS and FTIR spectroscopy. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 3083-3088.	1.5	11
83	The effect of operational parameters and TiO ₂ -doping on the photocatalytic degradation of azo-dyes. <i>Catalysis Today</i> , 1999, 54, 119-130.	2.2	239
84	XPS and FTIR Study of Ru/Al ₂ O ₃ and Ru/TiO ₂ Catalysts: Reduction Characteristics and Interaction with a Methane/Oxygen Mixture. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5227-5239.	1.2	206
85	Effect of Chlorine on the Chemisorptive Properties of Rh/CeO ₂ Catalysts Studied by XPS and Temperature Programmed Desorption Techniques. <i>Journal of Catalysis</i> , 1998, 174, 52-64.	3.1	119
86	Chlorine-Induced Alterations in Oxidation State and CO Chemisorptive Properties of CeO ₂ -Supported Rh Catalysts. <i>Journal of Catalysis</i> , 1998, 176, 536-544.	3.1	39
87	Interaction of Oxygen with Supported Ag-Au Alloy Catalysts. <i>Journal of Catalysis</i> , 1996, 158, 363-377.	3.1	62
88	Characterization and performance of a [PtMo ₆]/MgO catalyst for alkane-to-alkene conversion. <i>Journal of Molecular Catalysis A</i> , 1996, 111, 145-165.	4.8	21
89	A novel [PtMo ₆]/MgO catalyst for alkane-to-alkene conversion. <i>Studies in Surface Science and Catalysis</i> , 1995, , 141-150.	1.5	4
90	The adsorption of oxygen on Ag and Ag-Au alloys: Mechanistic implications in ethylene epoxidation catalysis. <i>Studies in Surface Science and Catalysis</i> , 1994, , 471-480.	1.5	2

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91	Oxygen Adsorption on Supported Silver Catalysts Investigated by Microgravimetric and Transient Techniques. <i>Journal of Catalysis</i> , 1993, 143, 481-491.	3.1	24