

Anna M Venezia

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	XPS study of supported gold catalysts: the role of Au ⁰ and Au ⁺ species as active sites. <i>Surface and Interface Analysis</i> , 2006, 38, 215-218.	0.8	435
2	Co ₃ O ₄ /CeO ₂ composite oxides for methane emissions abatement: Relationship between Co ₃ O ₄ and CeO ₂ interaction and catalytic activity. <i>Applied Catalysis B: Environmental</i> , 2006, 66, 217-227.	10.8	419
3	Co ₃ O ₄ nanocrystals and Co ₃ O ₄ -MO _x binary oxides for CO, CH ₄ and VOC oxidation at low temperatures: a review. <i>Catalysis Science and Technology</i> , 2013, 3, 3085.	2.1	318
4	Relationship between Structure and CO Oxidation Activity of Ceria-Supported Gold Catalysts. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2821-2827.	1.2	272
5	Catalytic reduction of nitrates and nitrites in water solution on pumice-supported Pd-Cu catalysts. <i>Applied Catalysis B: Environmental</i> , 2000, 24, 265-273.	10.8	171
6	X-ray photoelectron spectroscopy (XPS) for catalysts characterization. <i>Catalysis Today</i> , 2003, 77, 359-370.	2.2	169
7	X-ray photoelectron spectroscopy investigation of pumice-supported nickel catalysts. <i>Surface and Interface Analysis</i> , 1995, 23, 239-247.	0.8	162
8	Bi- and trimetallic Ni catalysts over Al ₂ O ₃ and Al ₂ O ₃ -MO (M = Ce or Mg) oxides for methane dry reforming: Au and Pt additive effects. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 350-361.	10.8	141
9	Ni/CeO ₂ catalysts for methane partial oxidation: Synthesis driven structural and catalytic effects. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 233-241.	10.8	141
10	Supported Au catalysts for low-temperature abatement of propene and toluene, as model VOCs: Support effect. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 629-637.	10.8	139
11	Hydrogenation of aromatics over Au-Pd/SiO ₂ -Al ₂ O ₃ catalysts; support acidity effect. <i>Applied Catalysis A: General</i> , 2004, 264, 43-51.	2.2	135
12	Gold catalysts supported on CeO ₂ and CeO ₂ -Al ₂ O ₃ for NO _x reduction by CO. <i>Applied Catalysis B: Environmental</i> , 2006, 65, 101-109.	10.8	112
13	Effect of Gold on the HDS Activity of Supported Palladium Catalysts. <i>Journal of Catalysis</i> , 2002, 212, 56-62.	3.1	111
14	AuPd alloy formation in Au-Pd/Al ₂ O ₃ catalysts and its role on aromatics hydrogenation. <i>Applied Surface Science</i> , 2005, 242, 380-391.	3.1	108
15	Pumice-Supported Cu-Pd Catalysts: Influence of Copper on the Activity and Selectivity of Palladium in the Hydrogenation of Phenylacetylene and But-1-ene. <i>Journal of Catalysis</i> , 1999, 182, 456-462.	3.1	103
16	Influence of the SMSI effect on the catalytic activity of a Pt(1%)/Ce _{0.6} Zr _{0.4} O ₂ catalyst: SAXS, XRD, XPS and TPR investigations. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 133-149.	10.8	93
17	Surface characterisation of metal ions loaded TiO ₂ photocatalysts: structure-activity relationship. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 223-233.	10.8	92
18	Liquid phase selective oxidation of benzyl alcohol over Pd-Ag catalysts supported on pumice. <i>Catalysis Today</i> , 2001, 66, 271-276.	2.2	86

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19	Characterization of Pumice-Supported Ag-Pd and Cu-Pd Bimetallic Catalysts by X-Ray Photoelectron Spectroscopy and X-Ray Diffraction. <i>Journal of Catalysis</i> , 1999, 182, 449-455.	3.1	84
20	Screening of different solid acid catalysts for glycerol acetylation. <i>Journal of Molecular Catalysis A</i> , 2013, 367, 69-76.	4.8	84
21	Metal-support and preparation influence on the structural and electronic properties of gold catalysts. <i>Applied Catalysis A: General</i> , 2006, 302, 309-316.	2.2	83
22	Synthesis of CeO ₂ , ZrO ₂ , Ce _{0.5} Zr _{0.5} O ₂ , and TiO ₂ nanoparticles by a novel oil-in-water microemulsion reaction method and their use as catalyst support for CO oxidation. <i>Catalysis Today</i> , 2010, 158, 35-43.	2.2	82
23	Preparation of N-doped TiO ₂ : characterization and photocatalytic performance under UV and visible light. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4084.	1.3	79
24	Structural characterisation of silica supported CoMo catalysts by UV Raman spectroscopy, XPS and X-ray diffraction techniques. <i>Applied Catalysis A: General</i> , 2002, 235, 171-180.	2.2	73
25	NO reduction by CO in the presence of water over gold supported catalysts on CeO ₂ -Al ₂ O ₃ mixed support, prepared by mechanochemical activation. <i>Applied Catalysis B: Environmental</i> , 2007, 76, 107-114.	10.8	73
26	Effect of Alkali Ions on the Amorphous to Crystalline Phase Transition of Silica. <i>Journal of Solid State Chemistry</i> , 2001, 161, 373-378.	1.4	72
27	Low pressure oxidation of Ni ₃ Al alloys at elevated temperatures as studied by x-ray photoelectron spectroscopy and Auger spectroscopy. <i>Surface Science</i> , 1988, 194, 136-148.	0.8	71
28	Support effect on the catalytic performance of Au/Co ₃ O ₄ -CeO ₂ catalysts for CO and CH ₄ oxidation. <i>Catalysis Today</i> , 2008, 139, 174-179.	2.2	69
29	Oxidation of CH ₄ over Pd supported on TiO ₂ -doped SiO ₂ : Effect of Ti(IV) loading and influence of SO ₂ . <i>Applied Catalysis B: Environmental</i> , 2009, 88, 430-437.	10.8	68
30	Particle size and metal-support interaction effects in pumice supported palladium catalysts. <i>Applied Catalysis A: General</i> , 1995, 125, 113-128.	2.2	67
31	Effect of the Al/Si atomic ratio on surface and structural properties of sol-gel prepared aluminosilicates. <i>Journal of Solid State Chemistry</i> , 2003, 174, 482-488.	1.4	63
32	A novel microwave assisted process for the synthesis of nanostructured ruthenium catalysts active in the hydrogenation of phenol to cyclohexanone. <i>Applied Catalysis A: General</i> , 2008, 350, 46-52.	2.2	63
33	Co ₃ O ₄ particles grown over nanocrystalline CeO ₂ : influence of precipitation agents and calcination temperature on the catalytic activity for methane oxidation. <i>Catalysis Science and Technology</i> , 2015, 5, 1888-1901.	2.1	63
34	An easy microwave-assisted process for the synthesis of nanostructured palladium catalysts and their use in the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2010, 386, 124-131.	2.2	62
35	Supported gold catalysts for CO oxidation and preferential oxidation of CO in H ₂ stream: Support effect. <i>Catalysis Today</i> , 2010, 158, 56-62.	2.2	59
36	Structure and the Metal Support Interaction of the Au/Mn Oxide Catalysts. <i>Chemistry of Materials</i> , 2010, 22, 3952-3960.	3.2	58

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37	Effect of Ti(IV) loading on CH ₄ oxidation activity and SO ₂ tolerance of Pd catalysts supported on silica SBA-15 and HMS. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 529-539.	10.8	55
38	A comparative study of differently prepared rare earths-modified ceria-supported gold catalysts for preferential oxidation of CO. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6505-6515.	3.8	54
39	Synthesis and support composition effects on CH ₄ partial oxidation over Ni-CeLa oxides. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 135-143.	10.8	54
40	Support effect on the structure and CO oxidation activity of Cu-Cr mixed oxides over Al ₂ O ₃ and SiO ₂ . <i>Materials Chemistry and Physics</i> , 2009, 114, 604-611.	2.0	53
41	Effect of metal loading on activity, selectivity and deactivation behavior of Pd/silica-alumina catalysts in the hydroconversion of n-hexadecane. <i>Catalysis Today</i> , 2014, 223, 87-96.	2.2	52
42	Hydroconversion of n-hexadecane on Pt/silica-alumina catalysts: Effect of metal loading and support acidity on bifunctional and hydrogenolytic activity. <i>Applied Catalysis A: General</i> , 2014, 469, 328-339.	2.2	50
43	Catalytic CO oxidation over pumice supported Pd-Ag catalysts. <i>Applied Catalysis A: General</i> , 2001, 211, 167-174.	2.2	49
44	Influence of the preparation method on the thiophene HDS activity of silica supported CoMo catalysts. <i>Applied Catalysis A: General</i> , 2002, 229, 261-271.	2.2	49
45	Vanadium based catalysts prepared by grafting: preparation, properties and performances in the ODH of butane. <i>Applied Catalysis A: General</i> , 2004, 270, 177-192.	2.2	48
46	XPS study of pumice-supported palladium and platinum catalysts. <i>Surface and Interface Analysis</i> , 1992, 19, 543-547.	0.8	47
47	Complete benzene oxidation over mono and bimetallic Au-Pd catalysts supported on Fe-modified ceria. <i>Chemical Engineering Journal</i> , 2015, 260, 133-141.	6.6	47
48	Gold catalysts supported on Y-modified ceria for CO-free hydrogen production via PROX. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 154-168.	10.8	47
49	Carbon supported bimetallic Ru-Co catalysts for H ₂ production through NaBH ₄ and NH ₃ BH ₃ hydrolysis. <i>International Journal of Energy Research</i> , 2018, 42, 1183-1195.	2.2	47
50	Partial oxidation of methane to synthesis gas over Pt nanoparticles supported on nanocrystalline CeO ₂ catalyst. <i>Catalysis Science and Technology</i> , 2016, 6, 4601-4615.	2.1	46
51	Sol-derived AuNi/MgAl ₂ O ₄ catalysts: Formation, structure and activity in dry reforming of methane. <i>Applied Catalysis A: General</i> , 2013, 468, 250-259.	2.2	45
52	CoMo catalysts supported on aluminosilicates: synergy between support and sodium effects. <i>Applied Catalysis A: General</i> , 2004, 260, 237-247.	2.2	44
53	Structure of the Metal-Support Interface and Oxidation State of Gold Nanoparticles Supported on Ceria. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2960-2966.	1.5	44
54	Au/CeO ₂ -SBA-15 catalysts for CO oxidation: Effect of ceria loading on physic-chemical properties and catalytic performances. <i>Catalysis Today</i> , 2012, 187, 10-19.	2.2	43

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55	NO reduction by CO over gold catalysts supported on Fe-loaded ceria. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 176-184.	10.8	43
56	In situ FT-IR investigation of the reduction of NO with CO over Au/CeO ₂ -Al ₂ O ₃ catalyst in the presence and absence of H ₂ . <i>Applied Catalysis B: Environmental</i> , 2009, 88, 113-126.	10.8	42
57	Factors influencing selectivity in naphthalene hydrogenation over Au- and Pt-Au-supported catalysts. <i>Applied Catalysis A: General</i> , 2005, 283, 165-175.	2.2	40
58	Post-synthesis alumination of MCM-41: Effect of the acidity on the HDS activity of supported Pd catalysts. <i>Applied Catalysis A: General</i> , 2010, 383, 211-216.	2.2	40
59	The structure of pumice: An XPS and ²⁷ Al MAS NMR study. <i>Surface and Interface Analysis</i> , 1992, 18, 532-538.	0.8	39
60	NO reduction by CO over gold based on ceria, doped by rare earth metals. <i>Catalysis Today</i> , 2008, 139, 168-173.	2.2	39
61	Preferential oxidation of CO in H ₂ rich stream (PROX) over gold catalysts supported on doped ceria: Effect of preparation method and nature of dopant. <i>Catalysis Today</i> , 2010, 158, 44-55.	2.2	39
62	Nanostructured copper-zirconia composites as catalysts for methanol decomposition. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 599-610.	10.8	38
63	Effect of Au on Pd supported over HMS and Ti doped HMS as catalysts for the hydrogenation of levulinic acid to γ -valerolactone. <i>Catalysis Today</i> , 2015, 257, 291-296.	2.2	38
64	Esterification of acetic acid with butanol over sulfonic acid-functionalized hybrid silicas. <i>Catalysis Today</i> , 2010, 158, 109-113.	2.2	35
65	Co/SiO ₂ catalysts for Fischer-Tropsch synthesis; effect of Co loading and support modification by TiO ₂ . <i>Catalysis Today</i> , 2012, 197, 18-23.	2.2	35
66	Pumice-Supported Pd-Pt Bimetallic Catalysts: Synthesis, Structural Characterization, and Liquid-Phase Hydrogenation of 1,3-Cyclooctadiene. <i>Journal of Catalysis</i> , 1995, 151, 125-134.	3.1	34
67	Strong impact of indium promoter on Ni/Al ₂ O ₃ and Ni/CeO ₂ -Al ₂ O ₃ catalysts used in dry reforming of methane. <i>Applied Catalysis A: General</i> , 2021, 621, 118174.	2.2	34
68	Preferential oxidation of CO in H ₂ rich stream (PROX) over gold catalysts supported on doped ceria: Effect of water and CO ₂ . <i>Catalysis Today</i> , 2011, 175, 411-419.	2.2	33
69	Photoactivity under visible light of metal loaded TiO ₂ catalysts prepared by low frequency ultrasound treatment. <i>Catalysis Today</i> , 2017, 284, 92-99.	2.2	33
70	Oxidation of Ni ₃ Al at low and high oxygen pressures. <i>Surface and Interface Analysis</i> , 1988, 11, 287-290.	0.8	31
71	Chromia on silica and zirconia oxides as recyclable oxidizing system: structural and surface characterization of the active chromium species for oxidation reaction. <i>Catalysis Today</i> , 2004, 91-92, 231-236.	2.2	31
72	Synthesis and physico-chemical characterization of gold nanoparticles softly coated by AOT. <i>Materials Chemistry and Physics</i> , 2006, 96, 66-72.	2.0	30

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73	Supported Au catalysts for propene total oxidation: Study of support morphology and gold particle size effects. <i>Catalysis Today</i> , 2011, 176, 7-13.	2.2	30
74	Effect of Ti and Al addition via direct synthesis to SBA-15 as support for cobalt based Fischer-Tropsch catalysts. <i>Applied Catalysis A: General</i> , 2012, 443-444, 76-86.	2.2	30
75	High throughput experiment approach to the oxidation of propene-to-propene oxide with transition-metal oxides as O-donors. <i>Catalysis Today</i> , 2008, 137, 44-51.	2.2	29
76	Combined sulfating and non-sulfating support to prevent water and sulfur poisoning of Pd catalysts for methane combustion. <i>Chemical Communications</i> , 2010, 46, 6317.	2.2	29
77	Combined effect of noble metals (Pd, Au) and support properties on HDS activity of Co/SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2009, 353, 296-304.	2.2	28
78	Highly stable defective TiO _{2-x} with tuned exposed facets induced by fluorine: Impact of surface and bulk properties on selective UV/visible alcohol photo-oxidation. <i>Applied Surface Science</i> , 2020, 510, 145419.	3.1	28
79	Combined CO/CH ₄ oxidation tests over Pd/Co ₃ O ₄ monolithic catalyst: Effects of high reaction temperature and SO ₂ exposure on the deactivation process. <i>Applied Catalysis B: Environmental</i> , 2007, 75, 182-188.	10.8	27
80	Nature of cobalt active species in hydrodesulfurization catalysts: Combined support and preparation method effects. <i>Journal of Molecular Catalysis A</i> , 2007, 271, 238-245.	4.8	27
81	Alumina supported Au/Y-doped ceria catalysts for pure hydrogen production via PROX. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 233-245.	3.8	27
82	Partial oxidation of methane over SiO ₂ supported Ni and NiCe catalysts. <i>Journal of Energy Chemistry</i> , 2020, 47, 1-9.	7.1	27
83	Characterization of Chromium Ion-Doped Titania by FTIR and XPS. <i>Journal of Catalysis</i> , 1994, 147, 115-122.	3.1	26
84	Synthesis of cyclic carbonates from epoxides: Use of reticular oxygen of Al ₂ O ₃ or Al ₂ O ₃ -supported CeO _x for the selective epoxidation of propene. <i>Catalysis Today</i> , 2006, 115, 117-123.	2.2	25
85	Transesterification of short chain esters using sulfonic acid-functionalized hybrid silicas: Effect of silica morphology. <i>Catalysis Today</i> , 2014, 223, 115-121.	2.2	25
86	Influence of fluorine on the synthesis of anatase TiO ₂ for photocatalytic partial oxidation: are exposed facets the main actors?. <i>Catalysis Science and Technology</i> , 2018, 8, 1606-1620.	2.1	25
87	Temperature and pressure effects for oxygen adsorption and oxidation of Ni ₃ Al alloyed with chromium and zirconium. <i>Surface Science</i> , 1990, 225, 195-205.	0.8	24
88	Effect of sodium on the electronic properties of Pd/silica-alumina catalysts. <i>Applied Catalysis A: General</i> , 1996, 147, 81-94.	2.2	24
89	Evidence for Diffusion-Controlled Hydrocarbon Selectivities in the Fischer-Tropsch Synthesis Over Cobalt Supported on Ordered Mesoporous Silica. <i>Topics in Catalysis</i> , 2011, 54, 1175-1184.	1.3	24
90	Nano-gold catalysts on Fe-modified ceria for pure hydrogen production via WGS and PROX: Effect of preparation method and Fe-doping on the structural and catalytic properties. <i>Applied Catalysis A: General</i> , 2013, 467, 76-90.	2.2	24

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91	IR and XPS Study of NO and CO Interaction with Palladium Catalysts Supported on Aluminosilicates. <i>Langmuir</i> , 1999, 15, 1176-1181.	1.6	23
92	Influence of Sodium on the Structure and HDS Activity of Co-Mo Catalysts Supported ON Silica and Aluminosilicate. <i>Journal of Catalysis</i> , 2000, 194, 393-400.	3.1	22
93	Utilization of greenhouse gas carbon dioxide for cleaner Fischer-Tropsch diesel production. <i>Journal of Cleaner Production</i> , 2019, 228, 1013-1024.	4.6	22
94	The relationship between mass transport and oxide chemistry in oxidation of Ni ₃ Al alloys. <i>Journal of Materials Research</i> , 1992, 7, 1341-1349.	1.2	21
95	Structural Changes of Titanium Oxide Induced by Chromium Addition as Determined by an X-Ray Diffraction Study. <i>Journal of Solid State Chemistry</i> , 1995, 114, 364-368.	1.4	20
96	Model Pumices Supported Metal Catalysts. <i>Journal of Catalysis</i> , 1997, 171, 177-183.	3.1	20
97	Structural and surface properties of heterogeneous catalysts: Nature of the oxide carrier and supported particle size effects. <i>Catalysis Today</i> , 2017, 285, 114-124.	2.2	20
98	The structure of pumice by neutron diffraction. <i>Journal of Applied Crystallography</i> , 1994, 27, 271-277.	1.9	19
99	Innovative Process for the Synthesis of Nanostructured Ruthenium Catalysts and their Catalytic Performance. <i>Topics in Catalysis</i> , 2009, 52, 1065-1069.	1.3	19
100	CO and VOCs Catalytic Oxidation Over Alumina Supported Cu-Mn Catalysts: Effect of Au or Ag Deposition. <i>Topics in Catalysis</i> , 2017, 60, 110-122.	1.3	19
101	Chemical effect on the XPS spectra of the valence band and on O KLL and Pd MNN Auger spectra in pumice-supported catalysts. <i>Surface and Interface Analysis</i> , 1992, 18, 619-622.	0.8	18
102	Pd and PdAu catalysts supported over 3-MPTES grafted HMS used in the HDS of thiophene. <i>Applied Catalysis B: Environmental</i> , 2012, 119-120, 248-255.	10.8	18
103	CO ₂ Reforming of CH ₄ over SiO ₂ -Supported Ni Catalyst: Effect of Sn as Support and Metal Promoter. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18684-18694.	1.8	18
104	Pd/Co ₃ O ₄ catalyst for CH ₄ emissions abatement: study of SO ₂ poisoning effect. <i>Topics in Catalysis</i> , 2007, 42-43, 425-428.	1.3	17
105	NO reduction by CO over gold catalysts based on ceria supports, prepared by mechanochemical activation, modified by Me ³⁺ (Me=Al or lanthanides): Effect of water in the feed gas. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 286-294.	10.8	17
106	Design of Cobalt Nanoparticles with Tailored Structural and Morphological Properties via O/W and W/O Microemulsions and Their Deposition onto Silica. <i>Catalysts</i> , 2015, 5, 442-459.	1.6	17
107	New HDS catalysts based on thiol functionalized mesoporous silica supports. <i>Applied Catalysis A: General</i> , 2010, 386, 43-50.	2.2	16
108	Structure control of silica-supported mono and bimetallic Au-Pt catalysts via mercapto capping synthesis. <i>Journal of Catalysis</i> , 2013, 298, 170-178.	3.1	16

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109	Effects of Synthesis on the Structural Properties and Methane Partial Oxidation Activity of Ni/CeO ₂ Catalyst. <i>Catalysts</i> , 2018, 8, 220.	1.6	16
110	Nano-Structured Gold Catalysts Supported on CeO ₂ and CeO ₂ -Al ₂ O ₃ for NO _x Reduction by CO: Effect of Catalyst Pretreatment and Feed Composition. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 867-873.	0.9	15
111	Noble metals supported on binary γ -Al ₂ O ₃ - γ -Ga ₂ O ₃ oxide as potential low-temperature water-gas shift catalysts. <i>Fuel</i> , 2020, 266, 117031.	3.4	15
112	Effect of Y Modified Ceria Support in Mono and Bimetallic Pd-Au Catalysts for Complete Benzene Oxidation. <i>Catalysts</i> , 2018, 8, 283.	1.6	14
113	Chemical Evolution of Interstellar Methanol Ice Analogs upon Ultraviolet Irradiation: The Role of the Substrate. <i>Astrophysical Journal</i> , 2018, 858, 35.	1.6	14
114	Mechanochemically Prepared Co ₃ O ₄ -CeO ₂ Catalysts for Complete Benzene Oxidation. <i>Catalysts</i> , 2021, 11, 1316.	1.6	14
115	Structural insight in TiO ₂ supported CoFe catalysts for Fischer-Tropsch synthesis at ambient pressure. <i>Applied Catalysis A: General</i> , 2020, 600, 117621.	2.2	13
116	Novel transformations amongst mesostructured VPO phases synthesized through surfactant assisted organization from an exfoliated solution of VOPO ₄ ·2H ₂ O. <i>Microporous and Mesoporous Materials</i> , 2010, 128, 213-222.	2.2	12
117	Promotional Effect of Gold on the WGS Activity of Alumina-Supported Copper-Manganese Mixed Oxides. <i>Catalysts</i> , 2018, 8, 563.	1.6	12
118	Plain and CeO ₂ Supported La _x NiO _y catalysts for partial oxidation of CH ₄ . <i>Catalysis Today</i> , 2018, 307, 189-196.	2.2	11
119	Model Pumices Supported Metal Catalysts. <i>Journal of Catalysis</i> , 1997, 171, 169-176.	3.1	10
120	Enhanced CO ₂ Hydrogenation to C ₂₊ Hydrocarbons over Mesoporous γ -Fe ₂ O ₃ - γ -Al ₂ O ₃ Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18660-18671.	1.8	10
121	Pumice-Supported Nickel Catalysts. <i>Journal of Catalysis</i> , 1997, 172, 463-470.	3.1	9
122	Physicochemical investigation of cobalt/iron cyanide nanoparticles synthesized by a novel solid-solid reaction in confined space. <i>Colloid and Polymer Science</i> , 2004, 283, 265-276.	1.0	9
123	Insights into SO ₂ Interaction with Pd/Co ₃ O ₄ -CeO ₂ Catalysts for Methane Oxidation. <i>Topics in Catalysis</i> , 2009, 52, 1989-1994.	1.3	9
124	Pd (1Åwt%)/LaMn _{0.4} Fe _{0.6} O ₃ Catalysts Supported Over Silica SBA-15: Effect of Perovskite Loading and Support Morphology on Methane Oxidation Activity and SO ₂ Tolerance. <i>Topics in Catalysis</i> , 2012, 55, 782-791.	1.3	9
125	SOFT X-RAY IRRADIATION OF SILICATES: IMPLICATIONS FOR DUST EVOLUTION IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2016, 828, 29.	1.6	9
126	Improved Water-Gas Shift Performance of Au/NiAl LDHs Nanostructured Catalysts via CeO ₂ Addition. <i>Nanomaterials</i> , 2021, 11, 366.	1.9	9

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127	EXAFS and XRD study of Pd–Ag bimetallic catalysts supported on pumice from organometallic precursors. <i>Journal of Non-Crystalline Solids</i> , 2001, 293-295, 682-687.	1.5	8
128	Status of the EPIC thin and medium filters on-board XMM-Newton after more than 10 years of operation I: laboratory measurements on back-up filters. <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
129	Impact of ceria loading on the preferential CO oxidation over gold catalysts on CeO ₂ /Al ₂ O ₃ and Y-doped CeO ₂ /Al ₂ O ₃ supports prepared by mechanical mixing. <i>Catalysis Today</i> , 2020, 357, 547-555.	2.2	8
130	CO ₂ reforming of CH ₄ over Ni supported on SiO ₂ modified by TiO ₂ and ZrO ₂ : Effect of the support synthesis procedure. <i>Applied Catalysis A: General</i> , 2022, 642, 118704.	2.2	8
131	Natural Pumice by XPS. <i>Surface Science Spectra</i> , 1994, 3, 112-120.	0.3	7
132	Exploring the role of promoters (Au, Cu and Re) in the performance of Ni–Al layered double hydroxides for water-gas shift reaction. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 11998-12014.	3.8	7
133	Structural characterization of Rh/pumice SMAD catalysts. <i>European Physical Journal D</i> , 1999, 7, 577-586.	0.6	6
134	Alumina and Alumina–Baria Supported Cobalt Catalysts for DeNO _x : Influence of the Support and Cobalt Content on the Catalytic Performance. <i>Topics in Catalysis</i> , 2009, 52, 1826-1831.	1.3	6
135	Interaction of Gold with Co-Condensed and Grafted HMS-SH Silica: A ²⁹ Si {1H} CP-MAS NMR Spectroscopy, XRD, XPS and Au LIII EXAFS Study. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3628-3635.	1.0	6
136	Nanosized gold catalysts on Pr-modified ceria for pure hydrogen production via WGS reaction. <i>Materials Chemistry and Physics</i> , 2015, 157, 138-146.	2.0	6
137	FTIR investigation under reaction conditions during CO oxidation over Ru(x)-CeO ₂ catalysts. <i>Molecular Catalysis</i> , 2020, 493, 111086.	1.0	6
138	Molecular MNN auger spectra of gaseous tetramethyltin and hexamethylditin. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1985, 36, 281-296.	0.8	5
139	Hydrodesulfurization cobalt-based catalysts modified by gold. <i>Gold Bulletin</i> , 2007, 40, 130-134.	3.2	5
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