

JosÃ© C Conesa

List of Publications by Year in descending order

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184
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28736

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfide-Based Photocatalysts Using Visible Light, with Special Focus on In ₂ S ₃ , SnS ₂ and ZnIn ₂ S ₄ . Catalysts, 2022, 12, 40.	1.6	6
2	Efficient Production of Solar Hydrogen Peroxide Using Piezoelectric Polarization and Photoinduced Charge Transfer of Nanopiezoelectrics Sensitized by Carbon Quantum Dots. Advanced Science, 2022, 9, e2105792.	5.6	26
3	Nanostructured sulfide based photocatalysts using visible light for environmental and energy purposes. , 2021, , 267-282.		0
4	V-Substituted ZnIn ₂ S ₄ : A (Visible+NIR) Light-Active Photocatalyst. Photochem, 2021, 1, 1-9.	1.3	2
5	High Performance Generation of H ₂ under Piezophototronic Effect with Multi-layer In ₂ S ₃ Nanosheets Modified by Spherical ZnS and BaTiO ₃ Nanopiezoelectrics. Small Methods, 2021, 5, e2100269.	4.6	34
6	Computing with DFT Band Offsets at Semiconductor Interfaces: A Comparison of Two Methods. Nanomaterials, 2021, 11, 1581.	1.9	6
7	Divalent chromium in the octahedral positions of the novel hybrid perovskites CH ₃ NH ₃ Pb _{1-x} Cr _x (Br,Cl) ₃ (x = 0.25, 0.5): Induction of narrow bands inside the bandgap. Journal of Alloys and Compounds, 2020, 821, 153414.	2.8	11
8	Spinel-Type nitride compounds with improved features as solar cell absorbers. Acta Materialia, 2020, 197, 316-329.	3.8	7
9	Atomic-Scale Model and Electronic Structure of Cu ₂ O/CH ₃ NH ₃ PbI ₃ Interfaces in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 44648-44657.	4.0	16
10	Theoretical Study of the Catalytic Performance of Activated Layered Double Hydroxides in the Cyanoethylation of Alcohols. Journal of Physical Chemistry C, 2019, 123, 8777-8784.	1.5	12
11	Influence of chromium hyperdoping on the electronic structure of CH ₃ NH ₃ PbI ₃ perovskite: a first-principles insight. Scientific Reports, 2018, 8, 2511.	1.6	13
12	H ₂ photo-production from methanol, ethanol and 2-propanol: Pt-(Nb)TiO ₂ performance under UV and visible light. Molecular Catalysis, 2018, 446, 88-97.	1.0	28
13	Measuring and interpreting quantum efficiency of acid blue 9 photodegradation using TiO ₂ -based catalysts. Applied Catalysis A: General, 2018, 550, 38-47.	2.2	11
14	Theoretical band alignment in an intermediate band chalcopyrite based material. Applied Surface Science, 2017, 424, 132-136.	3.1	15
15	Measuring and interpreting quantum efficiency for hydrogen photo-production using Pt-titania catalysts. Journal of Catalysis, 2017, 347, 157-169.	3.1	68
16	Nanostructured Catalysts Based on Combinations of Cobalt and Cerium Oxides for CO Oxidation and Effect of the Presence of Water. Journal of Nanoscience and Nanotechnology, 2017, 17, 3816-3823.	0.9	7
17	UV and visible hydrogen photo-production using Pt promoted Nb-doped TiO ₂ photo-catalysts: Interpreting quantum efficiency. Applied Catalysis B: Environmental, 2017, 216, 133-145.	10.8	41
18	Laccase-Catalyzed Bioelectrochemical Oxidation of Water Assisted with Visible Light. ACS Catalysis, 2017, 7, 4881-4889.	5.5	20

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19	Ferroelectric Domains May Lead to Two-Dimensional Confinement of Holes, but not of Electrons, in $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26698-26705.	1.5	11
20	Synthesis and Characterization of V-Doped In_2S_3 Thin Films on FTO Substrates. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28753-28761.	1.5	31
21	Modeling of Thermal Effect on the Electronic Properties of Photovoltaic Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$: The Case of Tetragonal Phase. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7976-7986.	1.5	25
22	Electronic band alignment at CuGaS_2 chalcopyrite interfaces. <i>Computational Materials Science</i> , 2016, 121, 79-85.	1.4	16
23	Electronic Structure of the (Undoped and Fe-Doped) NiOOH Evolution Electrolyst. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18999-19010.	1.5	52
24	In Situ Determination of Photobioproduction of H_2 by In_2S_3 -[NiFeSe] Hydrogenase from <i>Desulfovibrio vulgaris</i> Hildenborough Using Only Visible Light. <i>ACS Catalysis</i> , 2016, 6, 5691-5698.	5.5	37
25	Near-ambient XPS characterization of interfacial copper species in ceria-supported copper catalysts. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29995-30004.	1.3	74
26	Preferential oxidation of CO in excess H_2 over CuO/CeO_2 catalysts: Performance as a function of the copper coverage and exposed face present in the CeO_2 support. <i>Catalysis Today</i> , 2014, 229, 104-113.	2.2	76
27	V-substituted In_2S_3 : an intermediate band material with photocatalytic activity in the whole visible light range. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8236-8245.	5.2	42
28	Self-consistent relativistic band structure of the $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9030-9041.	1.1	245
29	Improving the CO-PROX Performance of Inverse CeO_2/CuO Catalysts: Doping of the CuO Component with Zn. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9030-9041.	1.5	34
30	Band structures and nitrogen doping effects in zinc titanate photocatalysts. <i>Catalysis Today</i> , 2013, 208, 11-18.	2.2	47
31	Preferential oxidation of CO in excess H_2 over CuO/CeO_2 catalysts: Characterization and performance as a function of the exposed face present in the CeO_2 support. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 224-238.	10.8	146
32	Characterization of Active Sites/Entities and Redox/Catalytic Correlations in Copper-Ceria-Based Catalysts for Preferential Oxidation of CO in H_2 -Rich Streams. <i>Catalysts</i> , 2013, 3, 378-400.	1.6	56
33	Modeling with Hybrid Density Functional Theory the Electronic Band Alignment at the Zinc Oxide/Anatase Interface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18884-18890.	1.5	76
34	Operando DRIFTS study of the redox and catalytic properties of $\text{CuO}/\text{Ce}_{1-x}\text{Tb}_x\text{O}_2$ ($x = 0-0.5$) catalysts: evidence of an induction step during CO oxidation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2144-2151.	1.3	28
35	Spectral response and stability of In_2S_3 as visible light-active photocatalyst. <i>Catalysis Communications</i> , 2012, 20, 1-5.	1.6	23
36	Redox and catalytic properties of CuO/CeO_2 under $\text{CO}+\text{O}_2+\text{NO}$: Promoting effect of NO on CO oxidation. <i>Catalysis Today</i> , 2012, 180, 81-87.	2.2	32

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37	Hydrothermally synthesized nanocrystalline tin disulphide as visible light-active photocatalyst: Spectral response and stability. <i>Applied Catalysis A: General</i> , 2012, 415-416, 111-117.	2.2	43
38	Thermodynamics of zinc insertion in CuGaS ₂ :Ti, used as a modulator agent in an intermediate-band photovoltaic material. <i>Computational and Theoretical Chemistry</i> , 2011, 975, 134-137.	1.1	10
39	V-doped SnS ₂ : a new intermediate band material for a better use of the solar spectrum. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20401.	1.3	80
40	Supported Metals in Vehicle Emission Control. <i>Catalytic Science Series</i> , 2011, , 493-552.	0.6	1
41	Permanent magnetism in phosphine- and chlorine-capped gold: from clusters to nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1307-1318.	0.8	21
42	Visible Light-Responsive Titanium Oxide Photocatalysts: Preparations Based on Chemical Methods. <i>Nanostructure Science and Technology</i> , 2010, , 277-299.	0.1	0
43	Magnetometry and electron paramagnetic resonance studies of phosphine- and thiol-capped gold nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, 064303.	1.1	11
44	The Relevance of Dispersion Interactions for the Stability of Oxide Phases. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22718-22726.	1.5	58
45	Structural, catalytic/redox and electrical characterization of systems combining Cu ⁰ /Ni with CeO ₂ or Ce _{1-x} MxO ₂ (M=Gd or Tb) for direct methane oxidation. <i>Journal of Power Sources</i> , 2009, 192, 70-77.	4.0	25
46	Surface anion vacancies on ceria: Quantum modelling of mutual interactions and oxygen adsorption. <i>Catalysis Today</i> , 2009, 143, 315-325.	2.2	60
47	Transition-Metal-Substituted Indium Thiospinels as Novel Intermediate-Band Materials: Prediction and Understanding of Their Electronic Properties. <i>Physical Review Letters</i> , 2008, 101, 046403.	2.9	129
48	Thermodynamics of the Formation of Ti- and Cr-doped CuGaS ₂ Intermediate-band Photovoltaic Materials. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9525-9529.	1.5	50
49	Synthesis and Spectral Properties of Nanocrystalline V-Substituted In ₂ S ₃ , a Novel Material for More Efficient Use of Solar Radiation. <i>Chemistry of Materials</i> , 2008, 20, 5125-5127.	3.2	95
50	Characterization by Ab Initio Calculations of an Intermediate Band Material Based on Chalcopyrite Semiconductors Substituted by Several Transition Metals. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2007, 129, 314.	1.1	22
51	Structure-Activity Relationship in Nanostructured Copper-Ceria-Based Preferential CO Oxidation Catalysts. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11026-11038.	1.5	296
52	Catalytic properties of monometallic copper and bimetallic copper-nickel systems combined with ceria and Ce-X (X=Gd, Tb) mixed oxides applicable as SOFC anodes for direct oxidation of methane. <i>Journal of Power Sources</i> , 2007, 169, 9-16.	4.0	36
53	O ₂ -probe EPR as a method for characterization of surface oxygen vacancies in ceria-based catalysts. <i>Research on Chemical Intermediates</i> , 2007, 33, 775-791.	1.3	26
54	Theoretical modelling of intermediate band solar cell materials based on metal-doped chalcopyrite compounds. <i>Thin Solid Films</i> , 2007, 515, 6280-6284.	0.8	96

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55	First principles calculation of isolated intermediate bands formation in a transition metal-doped chalcopyrite-type semiconductor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1395-1401.	0.8	77
56	Obtaining Ni Nanoparticles on 3Y-TZP Powder from Nickel Salts. <i>Journal of the American Ceramic Society</i> , 2006, 89, 144-150.	1.9	10
57	First-principles investigation of isolated band formation in half-metallic $Ti_xGa_{1-x}P$ ($x=0.3125 \pm 0.25$). <i>Physical Review B</i> , 2006, 73, .	1.1	56
58	Energetics of formation of $TiGa_3As_4$ and $TiGa_3P_4$ intermediate band materials. <i>Journal of Chemical Physics</i> , 2006, 124, 014711.	1.2	47
59	AB-Initio Modeling of Intermediate Band Materials Based on Metal-Doped Chalcopyrite Compounds. , 2006, , .		1
60	Preferential oxidation of CO in a H ₂ -rich stream over CuO/CeO ₂ and CuO/(Ce,M)O _x (M=Zr, Tb) catalysts. <i>Journal of Power Sources</i> , 2005, 151, 32-42.	4.0	115
61	Cerium-terbium mixed oxides as potential materials for anodes in solid oxide fuel cells. <i>Journal of Power Sources</i> , 2005, 151, 43-51.	4.0	64
62	FULLSPECTRUM: a new PV wave making more efficient use of the solar spectrum. <i>Solar Energy Materials and Solar Cells</i> , 2005, 87, 467-479.	3.0	40
63	The effect of Ni in Pd-Ni/(Ce,Zr)O/AlO catalysts used for stoichiometric CO and NO elimination. Part 1: Nanoscopic characterization of the catalysts. <i>Journal of Catalysis</i> , 2005, 235, 251-261.	3.1	44
64	Nanostructured Ti-W Mixed-Metal Oxides: Structural and Electronic Properties. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6075-6083.	1.2	90
65	Light-off behaviour of Pd/Al ₂ O ₃ catalysts for stoichiometric CO-O ₂ and CO-O ₂ -NO reactions: a combined catalytic activity in situ DRIFTS study. <i>Journal of Catalysis</i> , 2004, 221, 85-92.	3.1	60
66	Role of the state of the metal component on the light-off performance of Pd-based three-way catalysts. <i>Journal of Catalysis</i> , 2004, 221, 594-600.	3.1	62
67	EPR study of the photoassisted formation of radicals on CeO ₂ nanoparticles employed for toluene photooxidation. <i>Applied Catalysis B: Environmental</i> , 2004, 50, 167-175.	10.8	128
68	Catalytic Properties of Ag/Al ₂ O ₃ Catalysts for Lean NO _x Reduction Processes and Characterisation of Active Silver Species. <i>Topics in Catalysis</i> , 2004, 30/31, 65-70.	1.3	13
69	Influence of the nature of the Ce-promoter on the behavior of Pd and Pd-Cr TWC systems. <i>Applied Catalysis A: General</i> , 2004, 259, 207-220.	2.2	21
70	First principles calculations of electronic structures and metal mobility of Na _x Si ₄ 6 and Na _x Si ₃ 4 clathrates. <i>Journal of Chemical Physics</i> , 2004, 120, 6142-6151.	1.2	25
71	Interfacial Redox Processes under CO/O ₂ in a Nanoceria-Supported Copper Oxide Catalyst. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17983-17991.	1.2	155
72	Confinement effects in quasi-stoichiometric CeO ₂ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3524-3529.	1.3	95

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73	Redox interplay at copper oxide-(Ce,Zr)Ox interfaces: influence of the presence of NO on the catalytic activity for CO oxidation over CuO/CeZrO4. Journal of Catalysis, 2003, 214, 261-272.	3.1	83
74	Behavior of bimetallic Pd?Cr/Al2O3 and Pd?Cr/(Ce,Zr)Ox/Al2O3 catalysts for CO and NO elimination. Journal of Catalysis, 2003, 214, 220-233.	3.1	45
75	Nature and catalytic role of active silver species in the lean NOx reduction with C3H6 in the presence of water. Journal of Catalysis, 2003, 217, 310-323.	3.1	85
76	Structural, Morphological, and Oxygen Handling Properties of Nanosized Cerium~Terbium Mixed Oxides Prepared by Microemulsion. Chemistry of Materials, 2003, 15, 4309-4316.	3.2	81
77	Influence of preparation method on surface and bulk properties of sunlight-active Ti~W mixed oxide photocatalysts. Physical Chemistry Chemical Physics, 2003, 5, 2913-2921.	1.3	12
78	Computer Modeling of Local Level Structures in (Ce, Zr) Mixed Oxide. Journal of Physical Chemistry B, 2003, 107, 8840-8853.	1.2	33
79	Spectroscopic Characterization of Heterogeneity and Redox Effects in Zirconium~Cerium (1:1) Mixed Oxides Prepared by Microemulsion Methods. Journal of Physical Chemistry B, 2003, 107, 2667-2677.	1.2	47
80	Density Functional Calculations for Modeling the Oxidized States of the Active Site of Nickel~Iron Hydrogenases. 1. Verification of the Method with Paramagnetic Ni and Co Complexes. Inorganic Chemistry, 2002, 41, 4417-4423.	1.9	28
81	Density Functional Calculations for Modeling the Active Site of Nickel~Iron Hydrogenases. 2. Predictions for the Unready and Ready States and the Corresponding Activation Processes. Inorganic Chemistry, 2002, 41, 4424-4434.	1.9	68
82	STUDIES OF CERIA-CONTAINING CATALYSTS USING MAGNETIC RESONANCE AND X-RAY SPECTROSCOPIES. Catalytic Science Series, 2002, , 169-216.	0.6	11
83	Computer Modeling of alfo-Si and alfo-Ge Polymorphs. Journal of Physical Chemistry B, 2002, 106, 3402-3409.	1.2	26
84	Thermal behavior of (Ce,Zr)Ox/Al2O3 complex oxides prepared by a microemulsion method. Physical Chemistry Chemical Physics, 2002, 4, 2473-2481.	1.3	43
85	Effects of thermal pretreatment on the redox behaviour of Ce0.5Zr0.5O2: isotopic and spectroscopic studies. Physical Chemistry Chemical Physics, 2002, 4, 149-159.	1.3	57
86	Ce~Zr~Ca Ternary Mixed Oxides: Structural Characteristics and Oxygen Handling Properties. Journal of Catalysis, 2002, 211, 326-334.	3.1	50
87	Influence of thermal sintering on the activity for CO~O2 and CO~O2~NO stoichiometric reactions over Pd/(Ce, Zr)Ox/Al2O3 catalysts. Applied Catalysis B: Environmental, 2002, 38, 151-158.	10.8	34
88	Effects of Copper on the Catalytic Properties of Bimetallic Pd~Cu/(Ce,Zr)Ox/Al2O3 and Pd~Cu/(Ce,Zr)Ox Catalysts for CO and NO Elimination. Journal of Catalysis, 2002, 206, 281-294.	3.1	59
89	Nanosize Ti~W Mixed Oxides: Effect of Doping Level in the Photocatalytic Degradation of Toluene Using Sunlight-Type Excitation. Journal of Catalysis, 2002, 212, 1-9.	3.1	204
90	Surface properties of CeZrO4-based materials employed as catalysts supports. Journal of Alloys and Compounds, 2001, 323-324, 605-609.	2.8	13

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91	New Strategies for the Improvement of Automobile Catalysts. International Journal of Molecular Sciences, 2001, 2, 251-262.	1.8	9
92	Visible light-activated nanosized doped-TiO ₂ photocatalysts. Chemical Communications, 2001, , 2718-2719.	2.2	219
93	Fourier Transform Infrared Study of the Performance of Nanostructured TiO ₂ Particles for the Photocatalytic Oxidation of Gaseous Toluene. Journal of Catalysis, 2001, 202, 413-420.	3.1	317
94	EPR Study of CO and O ₂ Interaction with Supported Au Catalysts. Journal of Catalysis, 2001, 203, 168-174.	3.1	119
95	Effect of Thermal Sintering on Light-Off Performance of Pd/(Ce,Zr)O _x /Al ₂ O ₃ Three-Way Catalysts: Model Gas and Engine Tests. Journal of Catalysis, 2001, 204, 238-248.	3.1	90
96	New Pd/Ce _x Zr _{1-x} O ₂ /Al ₂ O ₃ three-way catalysts prepared by microemulsion. Applied Catalysis B: Environmental, 2001, 31, 51-60.	10.8	112
97	New Pd/Ce _x Zr _{1-x} O ₂ /Al ₂ O ₃ three-way catalysts prepared by microemulsion. Applied Catalysis B: Environmental, 2001, 31, 39-50.	10.8	131
98	Oxygen handling properties of Ce-Ca mixed oxides solutions. Studies in Surface Science and Catalysis, 2001, , 347-354.	1.5	13
99	CO and NO elimination over Pd-Cu catalysts. Studies in Surface Science and Catalysis, 2000, 130, 1325-1330.	1.5	6
100	Study of the lean NO _x reduction with C ₃ H ₆ in the presence of water over silver/alumina catalysts prepared from inverse microemulsions. Applied Catalysis B: Environmental, 2000, 28, 29-41.	10.8	119
101	EPR study on oxygen handling properties of ceria, zirconia and Zr-Ce (1 : 1) mixed oxide samples. Catalysis Letters, 2000, 65, 197-204.	1.4	81
102	Influence of the Preparation Method, Outgassing Treatment, and Adsorption of NO and/or O ₂ on the Cu ²⁺ Species in Cu-ZSM-5: An EPR Study. Journal of Catalysis, 2000, 190, 352-363.	3.1	32
103	Behavior of Palladium-Copper Catalysts for CO and NO Elimination. Journal of Catalysis, 2000, 190, 387-395.	3.1	62
104	Structural Characteristics and Redox Behavior of CeO ₂ -ZrO ₂ /Al ₂ O ₃ Supports. Journal of Catalysis, 2000, 194, 385-392.	3.1	202
105	Comparative Study on Redox Properties and Catalytic Behavior for CO Oxidation of CuO/CeO ₂ and CuO/ZrCeO ₄ Catalysts. Journal of Catalysis, 2000, 195, 207-216.	3.1	357
106	Surface structure and redox chemistry of ceria-containing automotive catalytic systems. Research on Chemical Intermediates, 2000, 26, 103-111.	1.3	7
107	Chloride-induced modifications of the properties of rhodia/ceria catalysts. Topics in Catalysis, 2000, 11/12, 205-212.	1.3	17
108	Structural and Redox Properties of Ceria in Alumina-Supported Ceria Catalyst Supports. Journal of Physical Chemistry B, 2000, 104, 4038-4046.	1.2	204

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109	Characterization of surface defects in CeO ₂ modified by incorporation of precious metals from chloride salts precursors: an EPR study using oxygen as probe molecule. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 158, 67-74.	2.3	38
110	Spectroscopic Study of a Cu/CeO ₂ Catalyst Subjected to Redox Treatments in Carbon Monoxide and Oxygen. <i>Journal of Catalysis</i> , 1999, 182, 367-377.	3.1	237
111	Influence of Ceria on Pd Activity for the CO+O ₂ Reaction. <i>Journal of Catalysis</i> , 1999, 187, 474-485.	3.1	151
112	Characterization of High Surface Area Zr ⁴⁺ /Ce (1:1) Mixed Oxide Prepared by a Microemulsion Method. <i>Langmuir</i> , 1999, 15, 4796-4802.	1.6	194
113	Influence of Ceria Dispersion on the Catalytic Performance of Cu/(CeO ₂)/Al ₂ O ₃ Catalysts for the CO Oxidation Reaction.. <i>Studies in Surface Science and Catalysis</i> , 1998, , 591-600.	1.5	33
114	Interaction of CO and NO with PdCu(111) Surfaces. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8017-8023.	1.2	74
115	Effect of Copper ²⁺ /Ceria Interactions on Copper Reduction in a Cu/CeO ₂ /Al ₂ O ₃ Catalyst Subjected to Thermal Treatments in CO. <i>Journal of Physical Chemistry B</i> , 1998, 102, 809-817.	1.2	105
116	Influence of Mutual Platinum-Dispersed Ceria Interactions on the Promoting Effect of Ceria for the CO Oxidation Reaction in a Pt/CeO ₂ /Al ₂ O ₃ Catalyst. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4357-4365.	1.2	79
117	Study of the Heterometallic Bond Nature in PdCu(111) Surfaces. <i>Journal of Physical Chemistry B</i> , 1998, 102, 141-147.	1.2	55
118	Spectroscopic Study of Active Phase-Support Interactions on a RhOx/CeO ₂ Catalyst: Evidence for Electronic Interactions. <i>Journal of Catalysis</i> , 1997, 168, 364-373.	3.1	40
119	Influence of Ceria on the Dispersion and Reduction/Oxidation Behaviour of Alumina-Supported Copper Catalysts. <i>Journal of Catalysis</i> , 1997, 172, 146-159.	3.1	96
120	Effect of surface relaxation and rumpling on the vibrational spectrum of NO adsorbed on a Cu ₂ O surface. <i>Journal of Molecular Catalysis A</i> , 1997, 119, 87-93.	4.8	1
121	Effect of the Madelung potential value and symmetry on the adsorption properties of adsorbate/oxide systems. <i>Surface Science</i> , 1996, 349, 207-215.	0.8	24
122	Spectroscopic study of oxygen adsorption on CeO ₂ / γ -Al ₂ O ₃ catalyst supports. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1619-1626.	1.7	59
123	Electron paramagnetic resonance spectroscopy study of the adsorption of O ₂ and CO on a Pt/CeO ₂ /Al ₂ O ₃ catalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 115, 215-221.	2.3	18
124	Effect of outgassing treatments on the surface reactivity of catalysts: CO adsorption. <i>Vacuum</i> , 1995, 46, 1201-1204.	1.6	27
125	Effect of the CeO ₂ dispersion on alumina on its reactivity for co and no conversion. <i>Studies in Surface Science and Catalysis</i> , 1995, , 215-227.	1.5	8
126	Structural aspects of the interaction of methyl thiol and dimethyldisulphide with Ni(111). <i>Journal of Physics Condensed Matter</i> , 1995, 7, 7781-7796.	0.7	28

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127	Spectroscopic study of oxygen adsorption as a method to study surface defects on CeO ₂ . Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1669-1678.	1.7	137
128	NO reaction at surface oxygen vacancies generated in cerium oxide. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1679-1687.	1.7	231
129	Bonding geometry and mechanism of NO adsorbed on Cu ₂ O(111): NO activation by Cu ⁺ cations. Journal of Chemical Physics, 1994, 101, 10134-10139.	1.2	28
130	ESR study of photo-oxidation of phenol at low temperature on polycrystalline titanium dioxide. Studies in Surface Science and Catalysis, 1994, 82, 693-701.	1.5	9
131	Structure determination of Ni(111)c(4 Å ⁻²)-CO and its implications for the interpretation of vibrational spectroscopic data. Surface Science, 1994, 311, 337-348.	0.8	105
132	Effect of the state of vanadium on the properties of titanium phosphate-based catalysts for oxidation of toluene. Studies in Surface Science and Catalysis, 1994, 82, 729-737.	1.5	1
133	Physicochemical Study of Structural Disorder in Vanadyl Pyrophosphate. Journal of Catalysis, 1993, 141, 671-687.	3.1	30
134	Is the frequency of the internal mode of an adsorbed diatomic molecule a reliable guide to its local adsorption site?. Journal of Electron Spectroscopy and Related Phenomena, 1993, 64-65, 75-83.	0.8	80
135	Influence of the support on the metal dispersion in Rh/CeO ₂ catalysts. Applied Surface Science, 1993, 70-71, 245-249.	3.1	7
136	Electron spin resonance study of radicals formed during photo-oxidation of phenol on TiO ₂ . Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 78, 73-83.	2.3	12
137	The bonding mechanism of NO to Cu(111). Surface Science, 1993, 280, 441-449.	0.8	28
138	Effect of Calcination on V-O-Ti-P Catalysts. Studies in Surface Science and Catalysis, 1993, 75, 2717-2720.	1.5	2
139	Structure determination for PF ₃ adsorption on Ni(111). Journal of Physics Condensed Matter, 1992, 4, 6509-6522.	0.7	19
140	Local site identification for NO on Ni(111) in vibrationally distinct adsorption states. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2445-2450.	0.9	19
141	Structural determination of a molecular adsorbate by photoelectron diffraction: Ammonia on Ni{111}. Physical Review B, 1992, 46, 4836-4843.	1.1	74
142	The growth of thin Ti and TiO _x films on Pt(111): Morphology and oxidation states. Surface Science, 1992, 273, 31-39.	0.8	23
143	Effect of oxidized rhodium on oxygen adsorption on cerium oxide. Vacuum, 1992, 43, 437-440.	1.6	23
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