

Gerardo ColÃ³n

List of Publications by Year in descending order

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126
papers

10,191
citations

30070

54
h-index

32842

100
g-index

129
all docs

129
docs citations

129
times ranked

10983
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalytic activity of TiO ₂ /WO ₃ nanocomposite from sonochemical-microwave assisted synthesis for the photodegradation of ciprofloxacin and oxytetracycline antibiotics under UV and sunlight. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 428, 113848.	3.9	25
2	H ₂ Photoproduction Efficiency: Implications of the Reaction Mechanism as a Function of the Methanol/Water Mixture. <i>Catalysts</i> , 2022, 12, 402.	3.5	1
3	Shepherding reaction intermediates to optimize H ₂ yield using composite-doped TiO ₂ -based photocatalysts. <i>Chemical Engineering Journal</i> , 2022, 442, 136333.	12.7	3
4	Overcoming Pd@TiO ₂ Deactivation during H ₂ Production from Photoreforming Using Cu@Pd Nanoparticles Supported on TiO ₂ . <i>ACS Applied Nano Materials</i> , 2021, 4, 3204-3219.	5.0	17
5	Mechanistic Considerations on the H ₂ Production by Methanol Thermal-assisted Photocatalytic Reforming over Cu/TiO ₂ Catalyst. <i>ChemCatChem</i> , 2021, 13, 3878-3888.	3.7	13
6	Elucidating the nature of Mo species on ZSM-5 and its role in the methane aromatization reaction. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1265-1276.	3.7	8
7	NaY(MoO ₄) ₂ -based nanoparticles: synthesis, luminescence and photocatalytic properties. <i>Dalton Transactions</i> , 2021, 50, 16539-16547.	3.3	5
8	Thermal-Photocatalytic Methanol Reforming for Hydrogen Production over a CuPd@TiO ₂ Catalyst. <i>ChemPhotoChem</i> , 2020, 4, 630-637.	3.0	23
9	Surface Modification of Rutile TiO ₂ with Alkaline-Earth Oxide Nanoclusters for Enhanced Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 6017-6033.	5.0	10
10	Structural and surface considerations on Mo/ZSM-5 systems for methane dehydroaromatization reaction. <i>Molecular Catalysis</i> , 2020, 486, 110787.	2.0	15
11	(NH ₄) ₄ [NiMo ₆ O ₂₄ H ₆].5H ₂ O / g-C ₃ N ₄ materials for selective photo-oxidation of C O and C C bonds. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119299.	20.2	11
12	Phase-Contact Engineering in Mono- and Bimetallic Cu-Ni Co-catalysts for Hydrogen Photocatalytic Materials. <i>Angewandte Chemie</i> , 2018, 130, 1213-1217.	2.0	6
13	Solar pilot plant scale hydrogen generation by irradiation of Cu/TiO ₂ composites in presence of sacrificial electron donors. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 15-23.	20.2	62
14	Phase-Contact Engineering in Mono- and Bimetallic Cu-Ni Co-catalysts for Hydrogen Photocatalytic Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1199-1203.	13.8	59
15	Improving the direct synthesis of hydrogen peroxide from hydrogen and oxygen over Au-Pd/SBA-15 catalysts by selective functionalization. <i>Molecular Catalysis</i> , 2018, 445, 142-151.	2.0	43
16	Photochemical methane partial oxidation to methanol assisted by H ₂ O ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 216-223.	3.9	39
17	Photocatalytic Escherichia coli inactivation by means of trivalent Er ³⁺ , Y ³⁺ doping of BiVO ₄ system. <i>Applied Catalysis A: General</i> , 2016, 526, 126-131.	4.3	20
18	Towards the hydrogen production by photocatalysis. <i>Applied Catalysis A: General</i> , 2016, 518, 48-59.	4.3	143

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19	Cascade charge separation mechanism by ternary heterostructured BiPO ₄ /TiO ₂ /g-C ₃ N ₄ photocatalyst. Applied Catalysis B: Environmental, 2016, 184, 96-103.	20.2	100
20	TiO ₂ -clay based nanoarchitectures for enhanced photocatalytic hydrogen production. Microporous and Mesoporous Materials, 2016, 222, 120-127.	4.4	30
21	Cu ²⁺ -TiO ₂ systems for the photocatalytic H ₂ production: Influence of structural and surface support features. Applied Catalysis B: Environmental, 2015, 179, 468-478.	20.2	79
22	A novel two-steps solvothermal synthesis of nanosized BiPO ₄ with enhanced photocatalytic activity. Journal of Molecular Catalysis A, 2015, 402, 92-99.	4.8	17
23	On the origin of the photocatalytic activity improvement of BiVO ₄ through rare earth tridoping. Applied Catalysis A: General, 2015, 501, 56-62.	4.3	31
24	Photocatalytic activity of bismuth vanadates under UV-A and visible light irradiation: Inactivation of Escherichia coli vs oxidation of methanol. Catalysis Today, 2015, 240, 93-99.	4.4	31
25	Evolution of H ₂ photoproduction with Cu content on CuO -TiO ₂ composite catalysts prepared by a microemulsion method. Applied Catalysis B: Environmental, 2015, 163, 214-222.	20.2	61
26	Water splitting performance of Er ³⁺ -doped YVO ₄ prepared from a layered K ₃ V ₅ O ₁₄ precursor. Chemical Engineering Journal, 2015, 262, 29-33.	12.7	15
27	Heterostructured Er ³⁺ doped BiVO ₄ with exceptional photocatalytic performance by cooperative electronic and luminescence sensitization mechanism. Applied Catalysis B: Environmental, 2014, 158-159, 242-249.	20.2	94
28	Improved H ₂ production of Pt-TiO ₂ /g-C ₃ N ₄ -MnO _x composites by an efficient handling of photogenerated charge pairs. Applied Catalysis B: Environmental, 2014, 144, 775-782.	20.2	111
29	Excellent photocatalytic activity of Yb ³⁺ , Er ³⁺ co-doped BiVO ₄ photocatalyst. Applied Catalysis B: Environmental, 2014, 152-153, 328-334.	20.2	84
30	In situ XAS study of an improved natural phosphate catalyst for hydrogen production by reforming of methane. Applied Catalysis B: Environmental, 2014, 150-151, 459-465.	20.2	17
31	A ternary Er ³⁺ -BiVO ₄ /TiO ₂ complex heterostructure with excellent photocatalytic performance. RSC Advances, 2014, 4, 6920.	3.6	40
32	Bifunctional, Monodisperse BiPO ₄ -Based Nanostars: Photocatalytic Activity and Luminescent Applications. Crystal Growth and Design, 2014, 14, 3319-3326.	3.0	45
33	Improved O ₂ evolution from a water splitting reaction over Er ³⁺ and Y ³⁺ co-doped tetragonal BiVO ₄ . Catalysis Science and Technology, 2014, 4, 2042-2050.	4.1	42
34	Exalted photocatalytic activity of tetragonal BiVO ₄ by Er ³⁺ doping through a luminescence cooperative mechanism. Dalton Transactions, 2014, 43, 311-316.	3.3	71
35	Active Site Considerations on the Photocatalytic H ₂ Evolution Performance of Cu-Doped TiO ₂ Obtained by Different Doping Methods. ACS Catalysis, 2014, 4, 3320-3329.	11.2	96
36	Photocatalytic Nanooxides: The Case of TiO ₂ and ZnO. , 2013, , 245-266.		2

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37	On the different photocatalytic performance of BiVO ₄ catalysts for Methylene Blue and Rhodamine B degradation. <i>Journal of Molecular Catalysis A</i> , 2013, 376, 40-47.	4.8	77
38	Erbium doped TiO ₂ –Bi ₂ WO ₆ heterostructure with improved photocatalytic activity under sun-like irradiation. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 299-305.	20.2	82
39	High-performance Er ³⁺ –TiO ₂ system: Dual up-conversion and electronic role of the lanthanide. <i>Journal of Catalysis</i> , 2013, 299, 298-306.	6.2	108
40	Improved photocatalytic activity of g-C ₃ N ₄ /TiO ₂ composites prepared by a simple impregnation method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 253, 16-21.	3.9	235
41	Monoclinic–Tetragonal Heterostructured BiVO ₄ by Yttrium Doping with Improved Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24479-24484.	3.1	134
42	Making Photo-selective TiO ₂ Materials by Cation–Anion Codoping: From Structure and Electronic Properties to Photoactivity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18759-18767.	3.1	29
43	Evidence of upconversion luminescence contribution to the improved photoactivity of erbium doped TiO ₂ systems. <i>Chemical Communications</i> , 2012, 48, 7865.	4.1	85
44	Effect of deposition of silver on structural characteristics and photoactivity of TiO ₂ -based photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 112-120.	20.2	66
45	Advanced Nanoarchitectures for Solar Photocatalytic Applications. <i>Chemical Reviews</i> , 2012, 112, 1555-1614.	47.7	2,107
46	Effect of hydrothermal treatment on structural and photocatalytic properties of TiO ₂ synthesized by sol–gel method. <i>Applied Catalysis A: General</i> , 2012, 411-412, 153-159.	4.3	32
47	Hydrothermal synthesis of BiVO ₄ : Structural and morphological influence on the photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 59-66.	20.2	175
48	Photodeposition of gold on titanium dioxide for photocatalytic phenol oxidation. <i>Applied Catalysis A: General</i> , 2011, 397, 112-120.	4.3	86
49	Comparative study of the photodeposition of Pt, Au and Pd on pre-sulphated TiO ₂ for the photocatalytic decomposition of phenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 275-283.	3.9	164
50	Novel Bi ₂ WO ₆ –TiO ₂ heterostructures for Rhodamine B degradation under sunlike irradiation. <i>Journal of Hazardous Materials</i> , 2011, 185, 1425-1434.	12.4	87
51	N- and/or W-(co)doped TiO ₂ -anatase catalysts: Effect of the calcination treatment on photoactivity. <i>Applied Catalysis B: Environmental</i> , 2010, 95, 238-244.	20.2	74
52	Gas phase photocatalytic oxidation of toluene using highly active Pt doped TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2010, 320, 14-18.	4.8	31
53	Doping level effect on sunlight-driven W,N-co-doped TiO ₂ -anatase photo-catalysts for aromatic hydrocarbon partial oxidation. <i>Applied Catalysis B: Environmental</i> , 2010, 93, 274-281.	20.2	80
54	Sunlight highly photoactive Bi ₂ WO ₆ –TiO ₂ heterostructures for rhodamine B degradation. <i>Chemical Communications</i> , 2010, 46, 4809.	4.1	129

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55	Cationic (V, Mo, Nb, W) doping of TiO ₂ anatase: A real alternative for visible light-driven photocatalysts. <i>Catalysis Today</i> , 2009, 143, 286-292.	4.4	188
56	Influence of sulfur on the structural, surface properties and photocatalytic activity of sulfated TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2009, 90, 633-641.	20.2	52
57	ZnO activation by using activated carbon as a support: Characterisation and photoreactivity. <i>Applied Catalysis A: General</i> , 2009, 364, 174-181.	4.3	41
58	FTIR study of photocatalytic degradation of 2-propanol in gas phase with different TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 204-213.	20.2	63
59	Effect of Sulfate Pretreatment on Gold-Modified TiO ₂ for Photocatalytic Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12840-12847.	3.1	81
60	W,N-Codoped TiO ₂ -Anatase: A Sunlight-Operated Catalyst for Efficient and Selective Aromatic Hydrocarbons Photo-Oxidation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8553-8555.	3.1	47
61	Visible-light driven TiO ₂ photocatalysts from Ti-oxychloride precursors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 199, 136-143.	3.9	7
62	Highly photoactive ZnO by amine capping-assisted hydrothermal treatment. <i>Applied Catalysis B: Environmental</i> , 2008, 83, 30-38.	20.2	70
63	Influence of amine template on the photoactivity of TiO ₂ nanoparticles obtained by hydrothermal treatment. <i>Applied Catalysis B: Environmental</i> , 2008, 78, 176-182.	20.2	27
64	Study of the synergic effect of sulphate pre-treatment and platinisation on the highly improved photocatalytic activity of TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2008, 81, 49-55.	20.2	34
65	Nanostructured Ti-M mixed-metal oxides: Toward a visible light-driven photocatalyst. <i>Journal of Catalysis</i> , 2008, 254, 272-284.	6.2	116
66	Synthesis, Characterization, and Photodegradation Behavior of Single-Phase Anatase TiO ₂ Materials Synthesized from Ti-oxychloride Precursors. <i>Langmuir</i> , 2008, 24, 11111-11118.	3.5	7
67	Photocatalytic properties of surface modified platinised TiO ₂ : Effects of particle size and structural composition. <i>Catalysis Today</i> , 2007, 129, 43-49.	4.4	82
68	Hydrothermal preparation of highly photoactive TiO ₂ nanoparticles. <i>Catalysis Today</i> , 2007, 129, 50-58.	4.4	114
69	EXAFS study and photocatalytic properties of un-doped and iron-doped ZrO ₂ -TiO ₂ (photo-) catalysts. <i>Catalysis Today</i> , 2007, 128, 245-250.	4.4	21
70	XAFS study of high-disperse Pd-containing nanosystem supported on TiO ₂ oxide matrix. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 575, 180-184.	1.6	3
71	The effect of dosage on the photocatalytic degradation of organic pollutants. <i>Research on Chemical Intermediates</i> , 2007, 33, 351-358.	2.7	19
72	Effect of TiO ₂ acidic pre-treatment on the photocatalytic properties for phenol degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 179, 20-27.	3.9	133

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73	Structural and surface approach to the enhanced photocatalytic activity of sulfated TiO ₂ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2006, 63, 45-59.	20.2	228
74	Cu-doped TiO ₂ systems with improved photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2006, 67, 41-51.	20.2	491
75	EXAFS Study of Fe ³⁺ Interaction with ZrO ₂ and TiO ₂ Oxides. <i>Physica Scripta</i> , 2005, , 736.	2.5	1
76	Gas-phase ethanol photocatalytic degradation study with TiO ₂ doped with Fe, Pd and Cu. <i>Journal of Molecular Catalysis A</i> , 2004, 215, 153-160.	4.8	112
77	Enhancement of TiO ₂ /C photocatalytic activity by sulfate promotion. <i>Applied Catalysis A: General</i> , 2004, 259, 235-243.	4.3	37
78	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 2219-2222.	3.7	0
79	ACID-base properties of a CERIA-lanthana catalytic system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 223-229.	3.6	6
80	Catalytic activity of a ceria-lanthana system for 4-methylpentan-2-ol dehydration. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 79, 93-99.	0.6	6
81	Influence of residual carbon on the photocatalytic activity of TiO ₂ /C samples for phenol oxidation. <i>Applied Catalysis B: Environmental</i> , 2003, 43, 163-173.	20.2	46
82	TiO ₂ activation by using activated carbon as a support Part II. Photoreactivity and FTIR study. <i>Applied Catalysis B: Environmental</i> , 2003, 44, 153-160.	20.2	122
83	TiO ₂ activation by using activated carbon as a support Part I. Surface characterisation and decantability study. <i>Applied Catalysis B: Environmental</i> , 2003, 44, 161-172.	20.2	151
84	Photocatalytic behaviour of sulphated TiO ₂ for phenol degradation. <i>Applied Catalysis B: Environmental</i> , 2003, 45, 39-50.	20.2	118
85	XAFS study of an intermetallic TiFe _{0.95} Zr _{0.03} Mo _{0.02} system for CO ₂ conversion. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 199, 216-221.	1.4	0
86	Preparation, characterisation and activity of CeO ₂ -ZrO ₂ catalysts for alcohol dehydration. <i>Journal of Molecular Catalysis A</i> , 2003, 204-205, 629-635.	4.8	49
87	Effect of ZrO ₂ incorporation and calcination temperature on the photocatalytic activity of commercial TiO ₂ for salicylic acid and Cr(VI) photodegradation. <i>Applied Catalysis A: General</i> , 2002, 231, 185-199.	4.3	54
88	Modification of the physicochemical properties of commercial TiO ₂ samples by soft mechanical activation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 341-348.	3.9	43
89	A novel preparation of high surface area TiO ₂ nanoparticles from alkoxide precursor and using active carbon as additive. <i>Catalysis Today</i> , 2002, 76, 91-101.	4.4	96
90	Thermal Behaviour of a TiO ₂ -ZrO ₂ Microcomposite Prepared by Chemical Coating. <i>Magyar Árvizsgáló és Vizsgáló Lapok</i> , 2002, 67, 229-238.	1.4	11

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91	CeO ₂ –La ₂ O ₃ catalytic system. Part II. Acid–base properties and catalytic activity for 4-methylpentan-2-ol dehydration. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 2928-2934.	2.8	20
92	Preparation and Physicochemical Properties of ZrO ₂ and Fe/ZrO ₂ Prepared by a Sol–Gel Technique. <i>Langmuir</i> , 2001, 17, 202-210.	3.5	210
93	Influence of Carboxylic Acid on the Photocatalytic Reduction of Cr(VI) Using Commercial TiO ₂ . <i>Langmuir</i> , 2001, 17, 7174-7177.	3.5	76
94	CH ₄ and CO ₂ transformations initiated by hydrogen-accumulated systems. Role of spillover and lattice bound hydrogen. <i>Studies in Surface Science and Catalysis</i> , 2001, , 239-250.	1.5	3
95	Structural determination of the Fe-modified zirconium oxide. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 470, 341-346.	1.6	19
96	EXAFS study of the Fe _x /ZrO ₂ composite nanomaterials obtained by sol–gel synthesis. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 528-530.	2.4	3
97	Oxidative dehydrogenation of propane over V ₂ O ₅ /TiO ₂ /SiO ₂ catalysts obtained by grafting titanium and vanadium alkoxides on silica. <i>Applied Catalysis A: General</i> , 2001, 214, 203-212.	4.3	44
98	Photocatalytic deactivation of commercial TiO ₂ samples during simultaneous photoreduction of Cr(VI) and photooxidation of salicylic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 138, 79-85.	3.9	146
99	Redox behavior of CeO ₂ –ZrO ₂ mixed oxides. <i>Applied Catalysis B: Environmental</i> , 2001, 30, 75-85.	20.2	106
100	Characterization of Hexagonal Boron Nitride Powders. <i>Materials Science Forum</i> , 2001, 383, 185-190.	0.3	0
101	Modification of the oxygen storage capacity of CeO ₂ –ZrO ₂ mixed oxides after redox cycling aging. <i>Catalysis Today</i> , 2000, 59, 373-386.	4.4	190
102	Redox behavior of CeO ₂ –ZrO ₂ mixed oxides. <i>Applied Catalysis B: Environmental</i> , 2000, 27, 49-63.	20.2	220
103	CeO ₂ –La ₂ O ₃ catalytic system. Part I. Preparation and characterisation of catalysts. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4453-4459.	2.8	54
104	Iron-doped titania semiconductor powders prepared by a sol–gel method. Part I: synthesis and characterization. <i>Applied Catalysis A: General</i> , 1999, 177, 111-120.	4.3	153
105	Textural and phase stability of Ce _x Zr _{1-x} O ₂ mixed oxides under high temperature oxidising conditions. <i>Catalysis Today</i> , 1999, 50, 271-284.	4.4	105
106	Influence of high temperature treatments under net oxidizing and reducing conditions on the oxygen storage and buffering properties of a Ce _{0.68} Zr _{0.32} O ₂ mixed oxide. <i>Catalysis Today</i> , 1999, 54, 93-100.	4.4	52
107	Low temperature selective methane activation to alkenes by a new hydrogen-accumulating system. <i>Chemical Communications</i> , 1999, , 943-944.	4.1	4
108	Transformation of CO ₂ Alone and Combined with Ethanol Present in the Hydrogen-Accumulating Intermetallic System TiFe _{0.95} Zr _{0.03} Mo _{0.02} , Pd/SiO ₂ , and γ-Al ₂ O ₃ . <i>Langmuir</i> , 1999, 15, 6601-6604.	3.5	7

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109	Structure, Texture, Surface Acidity, and Catalytic Activity of AlPO ₄ ·ZrO ₂ (50 wt% ZrO ₂) Catalysts Prepared by a Sol-Gel Procedure. <i>Journal of Catalysis</i> , 1998, 179, 483-494.	6.2	38
110	Heterogeneous photocatalytic reactions of nitrite oxidation and Cr(VI) reduction on iron-doped titania prepared by the wet impregnation method. <i>Applied Catalysis B: Environmental</i> , 1998, 16, 187-196.	20.2	143
111	Evidence of transalkylation during liquid-phase isopropylation of naphthalene. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 63, 3-8.	0.6	11
112	Catalytic properties of sulfated and non-sulfated ZrO ₂ ·SiO ₂ : effects of the sulfation submitted before or after the calcination process, in the cyclohexene isomerization reaction. <i>Journal of Molecular Catalysis A</i> , 1998, 135, 155-162.	4.8	8
113	Liquid-phase alkylation of naphthalene by isopropanol over zeolites. Part 1: HY zeolites. <i>Applied Catalysis A: General</i> , 1998, 168, 81-92.	4.3	63
114	Surface and structural characterization of C _x Zr _{1-x} O ₂ CEZIRENCAT mixed oxides as potential three-way catalyst promoters. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 3717-3726.	1.7	193
115	Effects of H ₂ O ₂ and SO ₂ Species on the Crystalline Structure and Surface Properties of ZrO ₂ Processed by Alkaline Precipitation. <i>Chemistry of Materials</i> , 1997, 9, 1256-1261.	6.7	41
116	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 1997, 10, 165-175.	2.4	11
117	Photoconductive and photocatalytic properties of ZrTiO ₄ . Comparison with the parent oxides TiO ₂ and ZrO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 108, 179-185.	3.9	69
118	Catalytic Properties of ZrO ₂ ·SiO ₂ : Effects of Sulfation in the Cyclohexene Isomerization Reaction. <i>Journal of Catalysis</i> , 1996, 161, 605-613.	6.2	27
119	Synthesis, characterization and photocatalytic properties of iron-doped titania semiconductors prepared from TiO ₂ and iron(III) acetylacetonate. <i>Journal of Molecular Catalysis A</i> , 1996, 106, 267-276.	4.8	142
120	ZrO ₂ ·SiO ₂ mixed oxides: surface aspects, photophysical properties and photoreactivity for 4-nitrophenol oxidation in aqueous phase. <i>Journal of Molecular Catalysis A</i> , 1996, 109, 239-248.	4.8	31
121	Heterogeneous Photocatalytic Oxidation of Liquid Isopropanol by TiO ₂ , ZrO ₂ and ZrTiO ₄ Powders. <i>Studies in Surface Science and Catalysis</i> , 1994, , 721-728.	1.5	13
122	Kinetic study of zirconia crystallization from amorphous ZrO ₂ ·SiO ₂ composite precursors processed by sol-gel chemistry. <i>Journal of Sol-Gel Science and Technology</i> , 1994, 2, 353-357.	2.4	5
123	Combined use of XPS, IR and EDAX techniques for the characterization of ZrO ₂ ·SiO ₂ powders prepared by a sol-gel process. <i>Applied Surface Science</i> , 1994, 81, 325-329.	6.1	26
124	Thermal evolution of TiO ₂ ·ZrO ₂ composites prepared by chemical coating processing. <i>Materials Letters</i> , 1994, 20, 339-344.	2.6	8
125	Effects of sulfation on the crystallization and textural properties of processed ZrO ₂ . <i>Materials Letters</i> , 1994, 20, 345-349.	2.6	5
126	Surface characterization of ZrO ₂ ·SiO ₂ systems prepared by a sol-gel method. <i>Applied Surface Science</i> , 1993, 70-71, 226-229.	6.1	19