

# 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	Advanced Nanoarchitectures for Solar Photocatalytic Applications. <i>Chemical Reviews</i> , 2012, 112, 1555-1614.	47.7	2,107
2	Cu-doped TiO <sub>2</sub> systems with improved photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2006, 67, 41-51.	20.2	491
3	Improved photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> composites prepared by a simple impregnation method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 253, 16-21.	3.9	235
4	Structural and surface approach to the enhanced photocatalytic activity of sulfated TiO <sub>2</sub> photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2006, 63, 45-59.	20.2	228
5	Redox behavior of CeO <sub>2</sub> -ZrO <sub>2</sub> mixed oxides. <i>Applied Catalysis B: Environmental</i> , 2000, 27, 49-63.	20.2	220
6	Preparation and Physicochemical Properties of ZrO <sub>2</sub> and Fe/ZrO <sub>2</sub> Prepared by a Sol-Gel Technique. <i>Langmuir</i> , 2001, 17, 202-210.	3.5	210
7	Surface and structural characterization of Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> mixed oxides as potential three-way catalyst promoters. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 3717-3726.	1.7	193
8	Modification of the oxygen storage capacity of CeO <sub>2</sub> -ZrO <sub>2</sub> mixed oxides after redox cycling aging. <i>Catalysis Today</i> , 2000, 59, 373-386.	4.4	190
9	Cationic (V, Mo, Nb, W) doping of TiO <sub>2</sub> -anatase: A real alternative for visible light-driven photocatalysts. <i>Catalysis Today</i> , 2009, 143, 286-292.	4.4	188
10	Hydrothermal synthesis of BiVO <sub>4</sub> : Structural and morphological influence on the photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 59-66.	20.2	175
11	Comparative study of the photodeposition of Pt, Au and Pd on pre-sulphated TiO <sub>2</sub> for the photocatalytic decomposition of phenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 275-283.	3.9	164
12	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
13	TiO <sub>2</sub> 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
14	Photocatalytic deactivation of commercial TiO <sub>2</sub> 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
15	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
16	Towards the hydrogen production by photocatalysis. <i>Applied Catalysis A: General</i> , 2016, 518, 48-59.	4.3	143
17	Synthesis, characterization and photocatalytic properties of iron-doped titania semiconductors prepared from TiO <sub>2</sub> and iron(III) acetylacetonate. <i>Journal of Molecular Catalysis A</i> , 1996, 106, 267-276.	4.8	142
18	Monoclinic-Tetragonal Heterostructured BiVO <sub>4</sub> by Yttrium Doping with Improved Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24479-24484.	3.1	134

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19	Effect of TiO <sub>2</sub> acidic pre-treatment on the photocatalytic properties for phenol degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 179, 20-27.	3.9	133
20	Sunlight highly photoactive Bi <sub>2</sub> WO <sub>6</sub> /TiO <sub>2</sub> heterostructures for rhodamine B degradation. Chemical Communications, 2010, 46, 4809.	4.1	129
21	TiO <sub>2</sub> activation by using activated carbon as a support Part II. Photoreactivity and FTIR study. Applied Catalysis B: Environmental, 2003, 44, 153-160.	20.2	122
22	Photocatalytic behaviour of sulphated TiO <sub>2</sub> for phenol degradation. Applied Catalysis B: Environmental, 2003, 45, 39-50.	20.2	118
23	Nanostructured Ti-M mixed-metal oxides: Toward a visible light-driven photocatalyst. Journal of Catalysis, 2008, 254, 272-284.	6.2	116
24	Hydrothermal preparation of highly photoactive TiO <sub>2</sub> nanoparticles. Catalysis Today, 2007, 129, 50-58.	4.4	114
25	Gas-phase ethanol photocatalytic degradation study with TiO <sub>2</sub> doped with Fe, Pd and Cu. Journal of Molecular Catalysis A, 2004, 215, 153-160.	4.8	112
26	Improved H <sub>2</sub> production of Pt-TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> -MnO <sub>x</sub> composites by an efficient handling of photogenerated charge pairs. Applied Catalysis B: Environmental, 2014, 144, 775-782.	20.2	111
27	High-performance Er <sup>3+</sup> /TiO <sub>2</sub> system: Dual up-conversion and electronic role of the lanthanide. Journal of Catalysis, 2013, 299, 298-306.	6.2	108
28	Redox behavior of CeO <sub>2</sub> /ZrO <sub>2</sub> mixed oxides. Applied Catalysis B: Environmental, 2001, 30, 75-85.	20.2	106
29	Textural and phase stability of C <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> mixed oxides under high temperature oxidising conditions. Catalysis Today, 1999, 50, 271-284.	4.4	105
30	Cascade charge separation mechanism by ternary heterostructured BiPO <sub>4</sub> /TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalyst. Applied Catalysis B: Environmental, 2016, 184, 96-103.	20.2	100
31	A novel preparation of high surface area TiO <sub>2</sub> nanoparticles from alkoxide precursor and using active carbon as additive. Catalysis Today, 2002, 76, 91-101.	4.4	96
32	Active Site Considerations on the Photocatalytic H <sub>2</sub> Evolution Performance of Cu-Doped TiO <sub>2</sub> Obtained by Different Doping Methods. ACS Catalysis, 2014, 4, 3320-3329.	11.2	96
33	Heterostructured Er <sup>3+</sup> doped BiVO <sub>4</sub> with exceptional photocatalytic performance by cooperative electronic and luminescence sensitization mechanism. Applied Catalysis B: Environmental, 2014, 158-159, 242-249.	20.2	94
34	Novel Bi <sub>2</sub> WO <sub>6</sub> /TiO <sub>2</sub> heterostructures for Rhodamine B degradation under sunlike irradiation. Journal of Hazardous Materials, 2011, 185, 1425-1434.	12.4	87
35	Photodeposition of gold on titanium dioxide for photocatalytic phenol oxidation. Applied Catalysis A: General, 2011, 397, 112-120.	4.3	86
36	Evidence of upconversion luminescence contribution to the improved photoactivity of erbium doped TiO <sub>2</sub> systems. Chemical Communications, 2012, 48, 7865.	4.1	85

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37	Excellent photocatalytic activity of Yb <sup>3+</sup> , Er <sup>3+</sup> co-doped BiVO <sub>4</sub> photocatalyst. Applied Catalysis B: Environmental, 2014, 152-153, 328-334.	20.2	84
38	Photocatalytic properties of surface modified platinised TiO <sub>2</sub> : Effects of particle size and structural composition. Catalysis Today, 2007, 129, 43-49.	4.4	82
39	Erbium doped TiO <sub>2</sub> @Bi <sub>2</sub> WO <sub>6</sub> heterostructure with improved photocatalytic activity under sun-like irradiation. Applied Catalysis B: Environmental, 2013, 140-141, 299-305.	20.2	82
40	Effect of Sulfate Pretreatment on Gold-Modified TiO <sub>2</sub> for Photocatalytic Applications. Journal of Physical Chemistry C, 2009, 113, 12840-12847.	3.1	81
41	Doping level effect on sunlight-driven W,N-co-doped TiO <sub>2</sub> -anatase photo-catalysts for aromatic hydrocarbon partial oxidation. Applied Catalysis B: Environmental, 2010, 93, 274-281.	20.2	80
42	Cu@TiO <sub>2</sub> systems for the photocatalytic H <sub>2</sub> production: Influence of structural and surface support features. Applied Catalysis B: Environmental, 2015, 179, 468-478.	20.2	79
43	On the different photocatalytic performance of BiVO <sub>4</sub> catalysts for Methylene Blue and Rhodamine B degradation. Journal of Molecular Catalysis A, 2013, 376, 40-47.	4.8	77
44	Influence of Carboxylic Acid on the Photocatalytic Reduction of Cr(VI) Using Commercial TiO <sub>2</sub> . Langmuir, 2001, 17, 7174-7177.	3.5	76
45	N- and/or W-(co)doped TiO <sub>2</sub> -anatase catalysts: Effect of the calcination treatment on photoactivity. Applied Catalysis B: Environmental, 2010, 95, 238-244.	20.2	74
46	Exalted photocatalytic activity of tetragonal BiVO <sub>4</sub> by Er <sup>3+</sup> doping through a luminescence cooperative mechanism. Dalton Transactions, 2014, 43, 311-316.	3.3	71
47	Highly photoactive ZnO by amine capping-assisted hydrothermal treatment. Applied Catalysis B: Environmental, 2008, 83, 30-38.	20.2	70
48	Photoconductive and photocatalytic properties of ZrTiO <sub>4</sub> . Comparison with the parent oxides TiO <sub>2</sub> and ZrO <sub>2</sub> . Journal of Photochemistry and Photobiology A: Chemistry, 1997, 108, 179-185.	3.9	69
49	Effect of deposition of silver on structural characteristics and photoactivity of TiO <sub>2</sub> -based photocatalysts. Applied Catalysis B: Environmental, 2012, 127, 112-120.	20.2	66
50	Liquid-phase alkylation of naphthalene by isopropanol over zeolites. Part 1: HY zeolites. Applied Catalysis A: General, 1998, 168, 81-92.	4.3	63
51	FTIR study of photocatalytic degradation of 2-propanol in gas phase with different TiO <sub>2</sub> catalysts. Applied Catalysis B: Environmental, 2009, 89, 204-213.	20.2	63
52	Solar pilot plant scale hydrogen generation by irradiation of Cu/TiO <sub>2</sub> composites in presence of sacrificial electron donors. Applied Catalysis B: Environmental, 2018, 229, 15-23.	20.2	62
53	Evolution of H <sub>2</sub> photoproduction with Cu content on CuO -TiO <sub>2</sub> composite catalysts prepared by a microemulsion method. Applied Catalysis B: Environmental, 2015, 163, 214-222.	20.2	61
54	Phase-Contact Engineering in Mono- and Bimetallic Cu@Ni Co-catalysts for Hydrogen Photocatalytic Materials. Angewandte Chemie - International Edition, 2018, 57, 1199-1203.	13.8	59

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55	CeO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> catalytic system. Part I. Preparation and characterisation of catalysts. Physical Chemistry Chemical Physics, 2000, 2, 4453-4459.	2.8	54
56	Effect of ZrO <sub>2</sub> incorporation and calcination temperature on the photocatalytic activity of commercial TiO <sub>2</sub> for salicylic acid and Cr(VI) photodegradation. Applied Catalysis A: General, 2002, 231, 185-199.	4.3	54
57	Influence of high temperature treatments under net oxidizing and reducing conditions on the oxygen storage and buffering properties of a Ce <sub>0.68</sub> Zr <sub>0.32</sub> O <sub>2</sub> mixed oxide. Catalysis Today, 1999, 54, 93-100.	4.4	52
58	Influence of sulfur on the structural, surface properties and photocatalytic activity of sulfated TiO <sub>2</sub> . Applied Catalysis B: Environmental, 2009, 90, 633-641.	20.2	52
59	Preparation, characterisation and activity of CeO <sub>2</sub> -ZrO <sub>2</sub> catalysts for alcohol dehydration. Journal of Molecular Catalysis A, 2003, 204-205, 629-635.	4.8	49
60	W,N-Codoped TiO <sub>2</sub> -Anatase: A Sunlight-Operated Catalyst for Efficient and Selective Aromatic Hydrocarbons Photo-Oxidation. Journal of Physical Chemistry C, 2009, 113, 8553-8555.	3.1	47
61	Influence of residual carbon on the photocatalytic activity of TiO <sub>2</sub> /C samples for phenol oxidation. Applied Catalysis B: Environmental, 2003, 43, 163-173.	20.2	46
62	Bifunctional, Monodisperse BiPO <sub>4</sub> -Based Nanostars: Photocatalytic Activity and Luminescent Applications. Crystal Growth and Design, 2014, 14, 3319-3326.	3.0	45
63	Oxidative dehydrogenation of propane over V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> /SiO <sub>2</sub> catalysts obtained by grafting titanium and vanadium alkoxides on silica. Applied Catalysis A: General, 2001, 214, 203-212.	4.3	44
64	Modification of the physicochemical properties of commercial TiO <sub>2</sub> samples by soft mechanical activation. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 341-348.	3.9	43
65	Improving the direct synthesis of hydrogen peroxide from hydrogen and oxygen over Au-Pd/SBA-15 catalysts by selective functionalization. Molecular Catalysis, 2018, 445, 142-151.	2.0	43
66	Improved O <sub>2</sub> evolution from a water splitting reaction over Er <sup>3+</sup> and Y <sup>3+</sup> co-doped tetragonal BiVO <sub>4</sub> . Catalysis Science and Technology, 2014, 4, 2042-2050.	4.1	42
67	Effects of H <sub>2</sub> O <sub>2</sub> and SO <sub>4</sub> <sup>2-</sup> Species on the Crystalline Structure and Surface Properties of ZrO <sub>2</sub> Processed by Alkaline Precipitation. Chemistry of Materials, 1997, 9, 1256-1261.	6.7	41
68	ZnO activation by using activated carbon as a support: Characterisation and photoreactivity. Applied Catalysis A: General, 2009, 364, 174-181.	4.3	41
69	A ternary Er <sup>3+</sup> -BiVO <sub>4</sub> /TiO <sub>2</sub> complex heterostructure with excellent photocatalytic performance. RSC Advances, 2014, 4, 6920.	3.6	40
70	Photochemical methane partial oxidation to methanol assisted by H <sub>2</sub> O <sub>2</sub> . Journal of Photochemistry and Photobiology A: Chemistry, 2017, 349, 216-223.	3.9	39
71	Structure, Texture, Surface Acidity, and Catalytic Activity of AlPO <sub>4</sub> -ZrO <sub>2</sub> (5 wt% ZrO <sub>2</sub> ) Catalysts Prepared by a Sol-Gel Procedure. Journal of Catalysis, 1998, 179, 483-494.	6.2	38
72	Enhancement of TiO <sub>2</sub> /C photocatalytic activity by sulfate promotion. Applied Catalysis A: General, 2004, 259, 235-243.	4.3	37

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73	Study of the synergic effect of sulphate pre-treatment and platinisation on the highly improved photocatalytic activity of TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2008, 81, 49-55.	20.2	34
74	Effect of hydrothermal treatment on structural and photocatalytic properties of TiO <sub>2</sub> synthesized by sol-gel method. <i>Applied Catalysis A: General</i> , 2012, 411-412, 153-159.	4.3	32
75	ZrO <sub>2</sub> -SiO <sub>2</sub> 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
76	Gas phase photocatalytic oxidation of toluene using highly active Pt doped TiO <sub>2</sub> . <i>Journal of Molecular Catalysis A</i> , 2010, 320, 14-18.	4.8	31
77	On the origin of the photocatalytic activity improvement of BiVO <sub>4</sub> through rare earth tridoping. <i>Applied Catalysis A: General</i> , 2015, 501, 56-62.	4.3	31
78	Photocatalytic activity of bismuth vanadates under UV-A and visible light irradiation: Inactivation of <i>Escherichia coli</i> vs oxidation of methanol. <i>Catalysis Today</i> , 2015, 240, 93-99.	4.4	31
79	TiO <sub>2</sub> -clay based nanoarchitectures for enhanced photocatalytic hydrogen production. <i>Microporous and Mesoporous Materials</i> , 2016, 222, 120-127.	4.4	30
80	Making Photo-selective TiO <sub>2</sub> 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
81	Catalytic Properties of ZrO <sub>2</sub> -SiO <sub>2</sub> : Effects of Sulfation in the Cyclohexene Isomerization Reaction. <i>Journal of Catalysis</i> , 1996, 161, 605-613.	6.2	27
82	Influence of amine template on the photoactivity of TiO <sub>2</sub> nanoparticles obtained by hydrothermal treatment. <i>Applied Catalysis B: Environmental</i> , 2008, 78, 176-182.	20.2	27
83	Combined use of XPS, IR and EDAX techniques for the characterization of ZrO <sub>2</sub> -SiO <sub>2</sub> powders prepared by a sol-gel process. <i>Applied Surface Science</i> , 1994, 81, 325-329.	6.1	26
84	Enhanced photocatalytic activity of TiO <sub>2</sub> /WO <sub>3</sub> 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
85	Thermo-Photocatalytic Methanol Reforming for Hydrogen Production over a CuPd-TiO <sub>2</sub> Catalyst. <i>ChemPhotoChem</i> , 2020, 4, 630-637.	3.0	23
86	EXAFS study and photocatalytic properties of un-doped and iron-doped ZrO <sub>2</sub> -TiO <sub>2</sub> (photo-) catalysts. <i>Catalysis Today</i> , 2007, 128, 245-250.	4.4	21
87	CeO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> 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
88	Photocatalytic <i>Escherichia coli</i> inactivation by means of trivalent Er <sup>3+</sup> , Y <sup>3+</sup> doping of BiVO <sub>4</sub> system. <i>Applied Catalysis A: General</i> , 2016, 526, 126-131.	4.3	20
89	Surface characterization of ZrO <sub>2</sub> -SiO <sub>2</sub> systems prepared by a sol-gel method. <i>Applied Surface Science</i> , 1993, 70-71, 226-229.	6.1	19
90	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

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91	The effect of dosage on the photocatalytic degradation of organic pollutants. Research on Chemical Intermediates, 2007, 33, 351-358.	2.7	19
92	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
93	A novel two-steps solvothermal synthesis of nanosized BiPO <sub>4</sub> with enhanced photocatalytic activity. Journal of Molecular Catalysis A, 2015, 402, 92-99.	4.8	17
94	Overcoming Pd@TiO <sub>2</sub> Deactivation during H <sub>2</sub> Production from Photoreforming Using Cu@Pd Nanoparticles Supported on TiO <sub>2</sub> . ACS Applied Nano Materials, 2021, 4, 3204-3219.	5.0	17
95	Water splitting performance of Er <sup>3+</sup> -doped YVO <sub>4</sub> prepared from a layered K <sub>3</sub> V <sub>5</sub> O <sub>14</sub> precursor. Chemical Engineering Journal, 2015, 262, 29-33.	12.7	15
96	Structural and surface considerations on Mo/ZSM-5 systems for methane dehydroaromatization reaction. Molecular Catalysis, 2020, 486, 110787.	2.0	15
97	Heterogeneous Photocatalytic Oxidation of Liquid Isopropanol by TiO <sub>2</sub> , ZrO <sub>2</sub> and ZrTiO <sub>4</sub> Powders. Studies in Surface Science and Catalysis, 1994, , 721-728.	1.5	13
98	Mechanistic Considerations on the H <sub>2</sub> Production by Methanol Thermal-Assisted Photocatalytic Reforming over Cu/TiO <sub>2</sub> Catalyst. ChemCatChem, 2021, 13, 3878-3888.	3.7	13
99	Title is missing!. Journal of Sol-Gel Science and Technology, 1997, 10, 165-175.	2.4	11
100	Evidence of transalkylation during liquid-phase isopropylation of naphthalene. Reaction Kinetics and Catalysis Letters, 1998, 63, 3-8.	0.6	11
101	Thermal Behaviour of a TiO <sub>2</sub> -ZrO <sub>2</sub> Microcomposite Prepared by Chemical Coating. Magyar Árvilág Kémiai Szemle, 2002, 67, 229-238.	1.4	11
102	(NH <sub>4</sub> ) <sub>4</sub> [NiMo <sub>6</sub> O <sub>24</sub> H <sub>6</sub> ].5H <sub>2</sub> O / g-C <sub>3</sub> N <sub>4</sub> materials for selective photo-oxidation of C O and C C bonds. Applied Catalysis B: Environmental, 2020, 278, 119299.	20.2	11
103	Surface Modification of Rutile TiO <sub>2</sub> with Alkaline-Earth Oxide Nanoclusters for Enhanced Oxygen Evolution. ACS Applied Nano Materials, 2020, 3, 6017-6033.	5.0	10
104	Thermal evolution of TiO <sub>2</sub> -ZrO <sub>2</sub> composites prepared by chemical coating processing. Materials Letters, 1994, 20, 339-344.	2.6	8
105	Catalytic properties of sulfated and non-sulfated ZrO <sub>2</sub> -SiO <sub>2</sub> : effects of the sulfation submitted before or after the calcination process, in the cyclohexene isomerization reaction. Journal of Molecular Catalysis A, 1998, 135, 155-162.	4.8	8
106	Elucidating the nature of Mo species on ZSM-5 and its role in the methane aromatization reaction. Reaction Chemistry and Engineering, 2021, 6, 1265-1276.	3.7	8
107	Transformation of CO <sub>2</sub> Alone and Combined with Ethanol Present in the Hydrogen-Accumulating Intermetallic System TiFe <sub>0.95</sub> Zr <sub>0.03</sub> Mo <sub>0.02</sub> , Pd/SiO <sub>2</sub> , and $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . Langmuir, 1999, 15, 6601-6604.	3.5	7
108	Visible-light driven TiO <sub>2</sub> photocatalysts from Ti-oxychloride precursors. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 199, 136-143.	3.9	7

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109	Synthesis, Characterization, and Photodegradation Behavior of Single-Phase Anatase TiO <sub>2</sub> Materials Synthesized from Ti-oxychloride Precursors. <i>Langmuir</i> , 2008, 24, 11111-11118.	3.5	7
110	ACID-base properties of a CERIA-lanthana catalytic system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 223-229.	3.6	6
111	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
112	Phase-Contact Engineering in Mono- and Bimetallic Cu-Ni Catalysts for Hydrogen Photocatalytic Materials. <i>Angewandte Chemie</i> , 2018, 130, 1213-1217.	2.0	6
113	Kinetic study of zirconia crystallization from amorphous ZrO <sub>2</sub> -SiO <sub>2</sub> composite precursors processed by sol-gel chemistry. <i>Journal of Sol-Gel Science and Technology</i> , 1994, 2, 353-357.	2.4	5
114	Effects of sulfation on the crystallization and textural properties of processed ZrO <sub>2</sub> . <i>Materials Letters</i> , 1994, 20, 345-349.	2.6	5
115	NaY(MoO <sub>4</sub> ) <sub>2</sub> -based nanoparticles: synthesis, luminescence and photocatalytic properties. <i>Dalton Transactions</i> , 2021, 50, 16539-16547.	3.3	5
116	Low temperature selective methane activation to alkenes by a new hydrogen-accumulating system. <i>Chemical Communications</i> , 1999, , 943-944.	4.1	4
117	CH <sub>4</sub> and CO <sub>2</sub> 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
118	EXAFS study of the Fe <sub>x</sub> /ZrO <sub>2</sub> composite nanomaterials obtained by sol-gel synthesis. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 528-530.	2.4	3
119	XAFS study of high-disperse Pd-containing nanosystem supported on TiO <sub>2</sub> 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
120	Shepherding reaction intermediates to optimize H <sub>2</sub> yield using composite-doped TiO <sub>2</sub> -based photocatalysts. <i>Chemical Engineering Journal</i> , 2022, 442, 136333.	12.7	3
121	Photocatalytic Nanooxides: The Case of TiO <sub>2</sub> and ZnO. , 2013, , 245-266.		2
122	EXAFS Study of Fe <sub>3</sub> Interaction with ZrO <sub>2</sub> and TiO <sub>2</sub> Oxides. <i>Physica Scripta</i> , 2005, , 736.	2.5	1
123	H <sub>2</sub> Photoproduction Efficiency: Implications of the Reaction Mechanism as a Function of the Methanol/Water Mixture. <i>Catalysts</i> , 2022, 12, 402.	3.5	1
124	Characterization of Hexagonal Boron Nitride Powders. <i>Materials Science Forum</i> , 2001, 383, 185-190.	0.3	0
125	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 2219-2222.	3.7	0
126	XAFS study of an intermetallic TiFe <sub>0.95</sub> Zr <sub>0.03</sub> Mo <sub>0.02</sub> system for CO <sub>2</sub> conversion. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 199, 216-221.	1.4	0