Marcos FernÃ¡ndez-GarcÃ-a

List of Publications by Year
in descending order

325	23,601	6254 80	9861 141
papers	citations	h-index	g-index

342	342	342	23036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of alkali-cyano group interaction in g-C3N4 based catalysts for hydrogen photo-production. Catalysis Today, 2022, 394-396, 25-33.	4.4	6
2	Photodegradation of 2-propanol in gas phase over zirconium doped TiO2: Effect of Zr content. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 427, 113774.	3.9	5
3	H2 Photoproduction Efficiency: Implications of the Reaction Mechanism as a Function of the Methanol/Water Mixture. Catalysts, 2022, 12, 402.	3.5	1
4	Shepherding reaction intermediates to optimize H2 yield using composite-doped TiO2-based photocatalysts. Chemical Engineering Journal, 2022, 442, 136333.	12.7	3
5	Surface modification of Cu2O-CuO photocatalyst on Cu wire through decorating with TiO2 nanoparticles for enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2022, 919, 165864.	5.5	25
6	Towards full-spectrum photocatalysis: Successful approaches and materials. Applied Catalysis A: General, 2021, 610, 117966.	4.3	36
7	Composite materials in thermo-photo catalysis. , 2021, , 409-420.		0
8	Carbothermally generated copperâ€“molybdenum carbide supported on graphite for the CO₂ hydrogenation to methanol. Catalysis Science and Technology, 2021, 11, 4051-4059.	4.1	7
9	Biomass valorization: Catalytic approaches using benign-by-design nanomaterials. Advances in Inorganic Chemistry, 2021, 77, 27-58.	1.0	5
10	Nature-inspired hierarchical materials for sensing and energy storage applications. Chemical Society Reviews, 2021, 50, 4856-4871.	38.1	49
11	Heterogeneous Photocatalysis. ChemEngineering, 2021, 5, 26.	2.4	9
12	Metabolomics reveals synergy between Ag and g-C3N4 in Ag/g-C3N4 composite photocatalysts: a unique feature among Ag-doped biocidal materials. Metabolomics, 2021, 17, 53.	3.0	2
13	Titania-decorated copper oxide nanophotocatalyst powder: A stable and promoted photocatalytic active system. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113401.	3.9	6
14	Interpreting quantum efficiency for energy and environmental applications of photo-catalytic materials. Current Opinion in Chemical Engineering, 2021, 33, 100712.	7.8	6
15	Assessing quantitatively charge carrier fate in 4-chlorophenol photocatalytic degradation using globular titania catalysts: Implications in quantum efficiency calculation. Journal of Environmental Chemical Engineering, 2021, 9, 106074.	6.7	5
16	Pt/B-g-C3N4 catalysts for hydrogen photo-production: Activity interpretation through a spectroscopic and intrinsic kinetic analysis. Journal of Environmental Chemical Engineering, 2021, 9, 106073.	6.7	8
17	Thermo-photo production of hydrogen using ternary Pt-CeO2-TiO2 catalysts: A spectroscopic and mechanistic study. Chemical Engineering Journal, 2021, 425, 130641.	12.7	13
18	Oxide-based composites: applications in thermo-photocatalysis. Catalysis Science and Technology, 2021, 11, 6904-6930.	4.1	13

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19	Pd-Pt bimetallic Nb-doped TiO2 for H2 photo-production: Gas and liquid phase processes. Molecular Catalysis, 2020, 481, 110240.	2.0	1
20	Sunlight active g-C3N4-based Mn+ (M Cu, Ni, Zn, Mn) â€“ promoted catalysts: Sharing of nitrogen atoms as a door for optimizing photo-activity. Molecular Catalysis, 2020, 484, 110725.	2.0	2
21	Hydrogen photogeneration using ternary CuGaS2-TiO2-Pt nanocomposites. International Journal of Hydrogen Energy, 2020, 45, 1510-1520.	7.1	24
22	Waste-derived Materials: Opportunities in Photocatalysis. Topics in Current Chemistry, 2020, 378, 3.	5.8	18
23	Improving Electrochemical Hydrogen Evolution of Ag@CN Nanocomposites by Synergistic Effects with Î±-Rich Proteins. ACS Applied Materials & Interfaces, 2020, 12, 2207-2215.	8.0	20
24	Selective hydrogen production from formic acid decomposition over Mo carbides supported on carbon materials. Catalysis Science and Technology, 2020, 10, 6790-6799.	4.1	22
25	Photocatalytic Production of Vanillin over CeO_x and ZrO₂ Modified Biomass-Templated Titania. Industrial & Engineering Chemistry Research, 2020, 59, 17085-17093.	3.7	18
26	Effect of TiO2 nanoparticle loading by solâ€“gel method on the gas-phase photocatalytic activity of CuxOâ€“TiO2 nanocomposite. Journal of Sol-Gel Science and Technology, 2020, 96, 464-479.	2.4	8
27	Sunlight-Operated TiO2-Based Photocatalysts. Molecules, 2020, 25, 4008.	3.8	23
28	Boosting Pt/TiO2 hydrogen photoproduction through Zr doping of the anatase structure: A spectroscopic and mechanistic study. Chemical Engineering Journal, 2020, 398, 125665.	12.7	18
29	Photocatalytic toluene degradation: braiding physico-chemical and intrinsic kinetic analyses. Reaction Chemistry and Engineering, 2020, 5, 1429-1440.	3.7	2
30	Facile synthesis of B/g-C₃N₄ composite materials for the continuous-flow selective photo-production of acetone. Green Chemistry, 2020, 22, 4975-4984.	9.0	25
31	Microemulsion: A versatile synthesis tool for photocatalysis. Current Opinion in Colloid and Interface Science, 2020, 49, 42-59.	7.4	14
32	Promoting H2 photoproduction of TiO2-based materials by surface decoration with Pt nanoparticles and SnS2 nanoplatelets. Applied Catalysis B: Environmental, 2020, 277, 119246.	20.2	35
33	Thermal and light irradiation effects on the electrocatalytic performance of hemoglobin modified Co₃O₄-g-C₃N₄ nanomaterials for the oxygen evolution reaction. Nanoscale, 2020, 12, 8477-8484.	5.6	14
34	(NH4)4[NiMo6O24H6].5H2O / g-C3N4 materials for selective photo-oxidation of C O and C C bonds. Applied Catalysis B: Environmental, 2020, 278, 119299.	20.2	11
35	Graphitic carbon nitride-based photocatalysts: Toward efficient organic transformation for value-added chemicals production. Molecular Catalysis, 2020, 488, 110902.	2.0	245
36	State-of-the-Art of Eggshell Waste in Materials Science: Recent Advances in Catalysis, Pharmaceutical Applications, and Mechanochemistry. Frontiers in Bioengineering and Biotechnology, 2020, 8, 612567.	4.1	38

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37	Characterization of Photo-catalysts: From Traditional to Advanced Approaches. Topics in Current Chemistry Collections, 2020, , 163-191.	0.5	0
38	Mechanochemical synthesis of three double perovskites: Cs₂AgBiBr₆, (CH₃NH₃)₂TlBiBr₆ and Cs₂AgSbBr₆. Nanoscale, 2019, 11, 16650-16657.	5.6	65
39	g-C3N4/TiO2 composite catalysts for the photo-oxidation of toluene: Chemical and charge handling effects. Chemical Engineering Journal, 2019, 378, 122228.	12.7	46
40	Mechanochemical Synthesis of CuO/MgAl2O4 and MgFe2O4 Spinels for Vanillin Production from Isoeugenol and Vanillyl Alcohol. Molecules, 2019, 24, 2597.	3.8	29
41	Efficient Ru-based scrap waste automotive converter catalysts for the continuous-flow selective hydrogenation of cinnamaldehyde. Green Chemistry, 2019, 21, 4712-4722.	9.0	29
42	Ultrastable Co x Si y O z Nanowires by Glancing Angle Deposition with Magnetron Sputtering as Novel Electrocatalyst for Water Oxidation. ChemCatChem, 2019, 11, 6111-6115.	3.7	8
43	Toward the Green Production of H₂: Binary Ptâ€“Ru Promoted Nb-TiO₂ Based Photocatalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 15671-15683.	6.7	17
44	Characterization of Photo-catalysts: From Traditional to Advanced Approaches. Topics in Current Chemistry, 2019, 377, 24.	5.8	12
45	Braiding kinetics and spectroscopy in photo-catalysis: the spectro-kinetic approach. Chemical Society Reviews, 2019, 48, 637-682.	38.1	79
46	Continuous flow synthesis of amines from the cascade reactions of nitriles and carbonyl-containing compounds promoted by Pt-modified titania catalysts. Green Chemistry, 2019, 21, 300-306.	9.0	21
47	Characterization and performance of Cu2O nanostructures on Cu wire photocatalyst synthesized in-situ by chemical and thermal oxidation. Journal of Materials Science: Materials in Electronics, 2019, 30, 13675-13689.	2.2	10
48	A flexible cell for in situ combined XASâ€“DRIFTSâ€“MS experiments. Journal of Synchrotron Radiation, 2019, 26, 801-810.	2.4	6
49	Hydrogen thermo-photo production using Ru/TiO2: Heat and light synergistic effects. Applied Catalysis B: Environmental, 2019, 256, 117790.	20.2	44
50	Continuous Flow Synthesis of High Valuable N-Heterocycles via Catalytic Conversion of Levulinic Acid. Frontiers in Chemistry, 2019, 7, 103.	3.6	21
51	Thermoâ€Photocatalysis: Environmental and Energy Applications. ChemSusChem, 2019, 12, 2098-2116.	6.8	115
52	Versatile Protein-Templated TiO₂ Nanocomposite for Energy Storage and Catalytic Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 5329-5337.	6.7	24
53	One-Pot Cu/TiO2 Nanoparticles Synthesis for Trans-Ferulic Acid Conversion into Vanillin. Molecules, 2019, 24, 3985.	3.8	12
54	Toluene and styrene photo-oxidation quantum efficiency: Comparison between doped and composite tungsten-containing anatase-based catalysts. Applied Catalysis B: Environmental, 2019, 245, 49-61.	20.2	21

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55	Benign-by-design advanced nanomaterials for environmental and energy-related applications. Current Opinion in Green and Sustainable Chemistry, 2019, 15, 98-102.	5.9	6
56	Unprecedented Wiring Efficiency of Sulfonated Graphitic Carbon Nitride Materials: Toward High-Performance Amperometric Recombinant CotA Laccase Biosensors. ACS Sustainable Chemistry and Engineering, 2019, 7, 1474-1484.	6.7	21
57	Environmental Catalysis: Present and Future. ChemCatChem, 2019, 11, 18-38.	3.7	87
58	Facile mechanochemical modification of g-C3N4 for selective photo-oxidation of benzyl alcohol. Chemical Engineering Science, 2019, 194, 78-84.	3.8	43
59	Effect of different promoter precursors in a model Ru-Cs/graphite system on the catalytic selectivity for Fischer-Tropsch reaction. Applied Surface Science, 2018, 447, 307-314.	6.1	8
60	Sunlightâ€Driven Hydrogen Production Using an Annular Flow Photoreactor and gâ€C₃N₄â€Based Catalysts. ChemPhotoChem, 2018, 2, 870-877.	3.0	20
61	Er-W codoping of TiO2-anatase: Structural and electronic characterization and disinfection capability under UVâ€“vis, and near-IR excitation. Applied Catalysis B: Environmental, 2018, 228, 113-129.	20.2	22
62	Sn modification of TiO2 anatase and rutile type phases: 2-Propanol photo-oxidation under UV and visible light. Applied Catalysis B: Environmental, 2018, 228, 130-141.	20.2	19
63	Phaseâ€Contact Engineering in Monoâ€•and Bimetallic Cuâ€Ni Coâ€catalysts for Hydrogen Photocatalytic Materials. Angewandte Chemie, 2018, 130, 1213-1217.	2.0	6
64	Phaseâ€Contact Engineering in Monoâ€•and Bimetallic Cuâ€Ni Coâ€catalysts for Hydrogen Photocatalytic Materials. Angewandte Chemie - International Edition, 2018, 57, 1199-1203.	13.8	59
65	H2 photo-production from methanol, ethanol and 2-propanol: Pt-(Nb)TiO2 performance under UV and visible light. Molecular Catalysis, 2018, 446, 88-97.	2.0	28
66	Measuring and interpreting quantum efficiency of acid blue 9 photodegradation using TiO2-based catalysts. Applied Catalysis A: General, 2018, 550, 38-47.	4.3	11
67	Thermo-photo degradation of 2-propanol using a composite ceria-titania catalyst: Physico-chemical interpretation from a kinetic model. Applied Catalysis B: Environmental, 2018, 225, 298-306.	20.2	34
68	Composite H3PW12O40â€“TiO2 catalysts for toluene selective photo-oxidation. Applied Catalysis B: Environmental, 2018, 225, 100-109.	20.2	58
69	Microwave-assisted preparation of Ag/Ag₂S carbon hybrid structures from pig bristles as efficient HER catalysts. Journal of Materials Chemistry A, 2018, 6, 21516-21523.	10.3	48
70	Benign-by-Design Orange Peel-Templated Nanocatalysts for Continuous Flow Conversion of Levulinic Acid to N-Heterocycles. ACS Sustainable Chemistry and Engineering, 2018, 6, 16637-16644.	6.7	38
71	XAS/DRIFTS/MS spectroscopy for time-resolved operando investigations at high temperature. Journal of Synchrotron Radiation, 2018, 25, 1745-1752.	2.4	22
72	Chromism and catalysis shake hands. Nature Catalysis, 2018, 1, 643-644.	34.4	5

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73	Highly Active Catalytic Ruthenium/TiO2Nanomaterials for Continuous Production of Î³â€Valerolactone. ChemSusChem, 2018, 11, 2604-2611.	6.8	23
74	Understanding W Doping in Wurtzite ZnO. Journal of Physical Chemistry C, 2018, 122, 19082-19089.	3.1	4
75	Operando Spectroscopy in Photocatalysis. ChemPhotoChem, 2018, 2, 777-785.	3.0	28
76	Enhancing photocatalytic performance of TiO2 in H2 evolution via Ru co-catalyst deposition. Applied Catalysis B: Environmental, 2018, 238, 434-443.	20.2	85
77	Novel (NH4)4[NiMo6O24H6]Â·5H2O â€“ TiO2 composite system: Photo-oxidation of toluene under UV and sunlight-type illumination. Applied Catalysis B: Environmental, 2018, 238, 381-392.	20.2	16
78	Bimetallic Pt-Pd co-catalyst Nb-doped TiO2 materials for H2 photo-production under UV and Visible light illumination. Applied Catalysis B: Environmental, 2018, 238, 533-545.	20.2	70
79	Mechanochemistry: Toward Sustainable Design of Advanced Nanomaterials for Electrochemical Energy Storage and Catalytic Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 9530-9544.	6.7	130
80	Measuring and interpreting quantum efficiency for hydrogen photo-production using Pt-titania catalysts. Journal of Catalysis, 2017, 347, 157-169.	6.2	68
81	UV and visible light driven H2 photo-production using Nb-doped TiO2: Comparing Pt and Pd co-catalysts. Molecular Catalysis, 2017, 437, 1-10.	2.0	28
82	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.	20.2	41
83	Understanding the role of oxygen surface groups: The key for a smart ruthenium-based carbon-supported heterogeneous catalyst design and synthesis. Applied Catalysis A: General, 2017, 544, 66-76.	4.3	15
84	Effect of exfoliation and surface deposition of MnOx species in g-C3N4: Toluene photo-degradation under UV and visible light. Applied Catalysis B: Environmental, 2017, 203, 663-672.	20.2	43
85	Gas phase 2-propanol degradation using titania photocatalysts: Study of the quantum efficiency. Applied Catalysis B: Environmental, 2017, 201, 400-410.	20.2	35
86	Mechanochemical Synthesis of TiO2 Nanocomposites as Photocatalysts for Benzyl Alcohol Photo-Oxidation. Nanomaterials, 2016, 6, 93.	4.1	41
87	Surface CuO, Bi₂O₃, and CeO₂ Species Supported in TiO₂-Anatase: Study of Interface Effects in Toluene Photodegradation Quantum Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 13934-13945.	8.0	22
88	Ni-based bimetallic heterogeneous catalysts for energy and environmental applications. Energy and Environmental Science, 2016, 9, 3314-3347.	30.8	556
89	Efficient Electrochemical Production of Syngas from CO₂ and H₂O by using a Nanostructured Ag/gâ€C₃N₄ Catalyst. ChemElectroChem, 2016, 3, 1497-1502.	3.4	46
90	Effect of the anataseâ€“rutile contact in gas phase toluene photodegradation quantum efficiency. Chemical Engineering Journal, 2016, 299, 393-402.	12.7	23

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91	Time-Resolved XAS Investigation of the Local Environment and Evolution of Oxidation States of a Fischerâ€“Tropsch Ruâ€“Cs/C Catalyst. ACS Catalysis, 2016, 6, 1437-1445.	11.2	23
92	Disinfection capability of Ag/g-C 3 N 4 composite photocatalysts under UV and visible light illumination. Applied Catalysis B: Environmental, 2016, 183, 86-95.	20.2	127
93	Catalytic hydrogen production through WGS or steam reforming of alcohols over Cu, Ni and Co catalysts. Applied Catalysis A: General, 2016, 518, 2-17.	4.3	78
94	Interface Effects in Sunlight-Driven Ag/g-C₃N₄ Composite Catalysts: Study of the Toluene Photodegradation Quantum Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 2617-2627.	8.0	140
95	Photoactivity and charge trapping sites in copper and vanadium doped anatase TiO₂ nano-materials. Catalysis Science and Technology, 2016, 6, 1094-1105.	4.1	46
96	Liquid phase oxidation chemistry in continuous-flow microreactors. Chemical Society Reviews, 2016, 45, 83-117.	38.1	421
97	Role of the Interface in Baseâ€Metal Ceriaâ€Based Catalysts for Hydrogen Purification and Production Processes. ChemCatChem, 2015, 7, 3614-3624.	3.7	35
98	Cuâ€“TiO2 systems for the photocatalytic H2 production: Influence of structural and surface support features. Applied Catalysis B: Environmental, 2015, 179, 468-478.	20.2	79
99	Detecting the Genesis of a High-Performance Carbon-Supported Pd Sulfide Nanophase and Its Evolution in the Hydrogenation of Butadiene. ACS Catalysis, 2015, 5, 5235-5241.	11.2	38
100	Heterogeneous photocatalysis: Light-matter interaction and chemical effects in quantum efficiency calculations. Journal of Catalysis, 2015, 330, 154-166.	6.2	59
101	Enhancing promoting effects in g-C3N4-Mn+/CeO2-TiO2 ternary composites: Photo-handling of charge carriers. Applied Catalysis B: Environmental, 2015, 176-177, 687-698.	20.2	33
102	Morphology effects in photoactive ZnO nanostructures: photooxidative activity of polar surfaces. Journal of Materials Chemistry A, 2015, 3, 8782-8792.	10.3	39
103	Visible and ultraviolet antibacterial behavior in PVDFâ€“TiO2 nanocomposite films. European Polymer Journal, 2015, 71, 412-422.	5.4	19
104	Ceria promotion of acetaldehyde photo-oxidation in a TiO₂-based catalyst: a spectroscopic and kinetic study. Catalysis Science and Technology, 2015, 5, 1521-1531.	4.1	22
105	Superior performance of Niâ€“Wâ€“Ce mixed-metal oxide catalysts for ethanol steam reforming: Synergistic effects of W- and Ni-dopants. Journal of Catalysis, 2015, 321, 90-99.	6.2	47
106	Efficient and stable Niâ€“Ce glycerol reforming catalysts: Chemical imaging using X-ray electron and scanning transmission microscopy. Applied Catalysis B: Environmental, 2015, 165, 139-148.	20.2	31
107	Promotion of CeO2â€“TiO2 photoactivity by g-C3N4: Ultraviolet and visible light elimination of toluene. Applied Catalysis B: Environmental, 2015, 164, 261-270.	20.2	63
108	Evolution of H2 photoproduction with Cu content on CuO -TiO2 composite catalysts prepared by a microemulsion method. Applied Catalysis B: Environmental, 2015, 163, 214-222.	20.2	61

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109	Catalytic Adventures in Space and Time Using High Energy X-rays. Catalysis Surveys From Asia, 2014, 18, 134-148.	2.6	9
110	Continuous flow transformations of glycerol to valuable products: an overview. Sustainable Chemical Processes, 2014, 2, .	2.3	86
111	Composite Bi2O3â€“TiO2 catalysts for toluene photo-degradation: Ultraviolet and visible light performances. Applied Catalysis B: Environmental, 2014, 156-157, 307-313.	20.2	63
112	Role of Interface Contact in CeO₂â€“TiO₂ Photocatalytic Composite Materials. ACS Catalysis, 2014, 4, 63-72.	11.2	178
113	Three-phase nanocomposites of two nanoclays and TiO2: Synthesis, characterization and photacatalytic activities. Applied Catalysis B: Environmental, 2014, 147, 526-533.	20.2	40
114	Green photo-oxidation of styrene over Wâ€“Ti composite catalysts. Journal of Catalysis, 2014, 309, 428-438.	6.2	32
115	Heterogeneous photocatalytic nanomaterials: prospects and challenges in selective transformations of biomass-derived compounds. Chemical Society Reviews, 2014, 43, 765-778.	38.1	539
116	Hydroxyl Identification on ZnO by Infrared Spectroscopies: Theory and Experiments. Journal of Physical Chemistry C, 2014, 118, 1492-1505.	3.1	40
117	Effective Enhancement of TiO₂ Photocatalysis by Synergistic Interaction of Surface Species: From Promoters to Co-catalysts. ACS Catalysis, 2014, 4, 4277-4288.	11.2	37
118	Effect of g-C3N4 loading on TiO2-based photocatalysts: UV and visible degradation of toluene. Catalysis Science and Technology, 2014, 4, 2006.	4.1	83
119	Morphological and structural behavior of TiO₂ nanoparticles in the presence of WO₃: crystallization of the oxide composite system. Physical Chemistry Chemical Physics, 2014, 16, 19540-19549.	2.8	10
120	Water-Gas Shift Reaction on Niâ€“Wâ€“Ce Catalysts: Catalytic Activity and Structural Characterization. Journal of Physical Chemistry C, 2014, 118, 2528-2538.	3.1	48
121	Acetaldehyde degradation under UV and visible irradiation using CeO2â€“TiO2 composite systems: Evaluation of the photocatalytic efficiencies. Chemical Engineering Journal, 2014, 255, 297-306.	12.7	56
122	Abatement of organics and Escherichia coli using CeO2-TiO2 composite oxides: Ultraviolet and visible light performances. Applied Catalysis B: Environmental, 2014, 154-155, 350-359.	20.2	29
123	Understanding the antimicrobial mechanism of TiO2-based nanocomposite films in a pathogenic bacterium. Scientific Reports, 2014, 4, 4134.	3.3	335
124	Following the Evolution of Ru/Activated Carbon Catalysts during the Decompositionâ€“Reduction of the Ru(NO)(NO₃)₃ Precursor. ChemCatChem, 2013, 5, 2446-2452.	3.7	18
125	Photocatalytic Nanooxides: The Case of TiO2 and ZnO. , 2013, , 245-266.		2
126	Continuous flow nanocatalysis: reaction pathways in the conversion of levulinic acid to valuable chemicals. Green Chemistry, 2013, 15, 2786.	9.0	70

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127	Role of TiO2 morphological characteristics in EVOHâ€“TiO2 nanocomposite films: self-degradation and self-cleaning properties. RSC Advances, 2013, 3, 8541.	3.6	10
128	Tungsten as an interface agent leading to highly active and stable copperâ€“ceria water gas shift catalyst. Applied Catalysis B: Environmental, 2013, 132-133, 423-432.	20.2	23
129	High-performance Er3+â€“TiO2 system: Dual up-conversion and electronic role of the lanthanide. Journal of Catalysis, 2013, 299, 298-306.	6.2	108
130	UV and visible light optimization of anatase TiO2 antimicrobial properties: Surface deposition of metal and oxide (Cu, Zn, Ag) species. Applied Catalysis B: Environmental, 2013, 140-141, 680-690.	20.2	73
131	Palygorskiteâ€“TiO2 nanocomposites: Part 2. photocatalytic activities in decomposing air and organic pollutants. Applied Clay Science, 2013, 83-84, 198-202.	5.2	20
132	Photocatalytic behavior of silver vanadates: Microemulsion synthesis and post-reaction characterization. Chemical Engineering Journal, 2013, 224, 24-31.	12.7	33
133	Halloysiteâ€“TiO2 nanocomposites: Synthesis, characterization and photocatalytic activity. Applied Catalysis B: Environmental, 2013, 132-133, 416-422.	20.2	98
134	Structure and activity of iron-doped TiO₂-anatase nanomaterials for gas-phase toluene photo-oxidation. Catalysis Science and Technology, 2013, 3, 626-634.	4.1	35
135	Sunlight-driven toluene photo-elimination using CeO2-TiO2 composite systems: A kinetic study. Applied Catalysis B: Environmental, 2013, 140-141, 626-635.	20.2	58
136	Influence of the Ceâ€“Zr promoter on Pd behaviour under dynamic CO/NO cycling conditions: a structural and chemical approach. Physical Chemistry Chemical Physics, 2013, 15, 8640.	2.8	15
137	Innovative insights in a plug flow microreactor foroperandoX-ray studies. Journal of Applied Crystallography, 2013, 46, 1523-1527.	4.5	15
138	Characterization of Active Sites/Entities and Redox/Catalytic Correlations in Copper-Ceria-Based Catalysts for Preferential Oxidation of CO in H2-Rich Streams. Catalysts, 2013, 3, 378-400.	3.5	56
139	Biodegradable Polycaprolactone-Titania Nanocomposites: Preparation, Characterization and Antimicrobial Properties. International Journal of Molecular Sciences, 2013, 14, 9249-9266.	4.1	60
140	Microwave-assisted mild-temperature preparation of neodymium-doped titania for the improved photodegradation of water contaminants. Applied Catalysis A: General, 2012, 441-442, 47-53.	4.3	36
141	Making Photo-selective TiO₂ Materials by Cationâ€“Anion Codoping: From Structure and Electronic Properties to Photoactivity. Journal of Physical Chemistry C, 2012, 116, 18759-18767.	3.1	29
142	A structural and surface approach to size and shape control of sulfur-modified undoped and Fe-doped TiO2 anatase nano-materials. Physical Chemistry Chemical Physics, 2012, 14, 5628.	2.8	14
143	Titanium Dioxideâ€“Polymer Nanocomposites with Advanced Properties. , 2012, , 119-149.		3
144	Operando DRIFTS study of the redox and catalytic properties of CuO/Ce_{1â^'x}Tb_xO_{2â^'Î´}(x = 0â€“0.5) catalysts: evidence of an induction step during CO oxidation. Physical Chemistry Chemical Physics, 2012, 14, 2144-2151.	2.8	28

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145	Advanced Nanoarchitectures for Solar Photocatalytic Applications. Chemical Reviews, 2012, 112, 1555-1614.	47.7	2,107
146	Surface and Bulk Approach to Timeâ€resolved Characterization of Heterogeneous Catalysts. ChemCatChem, 2012, 4, 725-737.	3.7	14
147	Redox and catalytic properties of CuO/CeO2 under CO+O2+NO: Promoting effect of NO on CO oxidation. Catalysis Today, 2012, 180, 81-87.	4.4	32
148	Catalytic and redox properties of bimetallic Cuâ€“Ni systems combined with CeO2 or Gd-doped CeO2 for methane oxidation and decomposition. Applied Catalysis B: Environmental, 2012, 111-112, 96-105.	20.2	42
149	Ironâ€“sulfur codoped TiO2 anatase nano-materials: UV and sunlight activity for toluene degradation. Applied Catalysis B: Environmental, 2012, 117-118, 310-316.	20.2	44
150	Kinetics of photocatalytic disinfection in TiO2-containing polymer thin films: UV and visible light performances. Applied Catalysis B: Environmental, 2012, 121-122, 230-238.	20.2	33
151	Observing Oxygen Storage and Release at Work during Cycling Redox Conditions: Synergies between Noble Metal and Oxide Promoter. Angewandte Chemie - International Edition, 2012, 51, 2363-2367.	13.8	31
152	Reply to â€œComment on 'Operando DRIFTS and XANES Study of Deactivating Effect of CO2 on a Ce0.8Cu0.2O2 CO-PROX Catalyst'â€• Journal of Physical Chemistry C, 2011, 115, 23237-23238.	3.1	4
153	Nanoparticulate Pd Supported Catalysts: Size-Dependent Formation of Pd(I)/Pd(0) and Their Role in CO Elimination. Journal of the American Chemical Society, 2011, 133, 4484-4489.	13.7	40
154	Magnetically separable nanocomposites with photocatalytic activity under visible light for the selective transformation of biomass-derived platform molecules. Green Chemistry, 2011, 13, 2750.	9.0	89
155	Morphological and Structural Changes during the Reduction and Reoxidation of CuO/CeO₂and Ce_{1â€“x}Cu_xO₂Nanocatalysts:In SituStudies with Environmental TEM, XRD, and XAS. Journal of Physical Chemistry C, 2011, 115, 13851-13859.	3.1	55
156	Transformations of biomass-derived platform molecules: from high added-value chemicals to fuels via aqueous-phase processing. Chemical Society Reviews, 2011, 40, 5266.	38.1	739
157	Tailoring polymerâ€“TiO2 film properties by presence of metal (Ag, Cu, Zn) species: Optimization of antimicrobial properties. Applied Catalysis B: Environmental, 2011, 104, 346-352.	20.2	42
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