

Marcos Fernández-García

List of Publications by Year in descending order

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Version: 2024-02-01

324
papers

23,601
citations

6233

80
h-index

9839

141
g-index

342
all docs

342
docs citations

342
times ranked

23036
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of alkali-cyano group interaction in g-C ₃ N ₄ based catalysts for hydrogen photo-production. <i>Catalysis Today</i> , 2022, 394-396, 25-33.	2.2	6
2	Photodegradation of 2-propanol in gas phase over zirconium doped TiO ₂ : Effect of Zr content. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 427, 113774.	2.0	5
3	H ₂ Photoproduction Efficiency: Implications of the Reaction Mechanism as a Function of the Methanol/Water Mixture. <i>Catalysts</i> , 2022, 12, 402.	1.6	1
4	Shepherding reaction intermediates to optimize H ₂ yield using composite-doped TiO ₂ -based photocatalysts. <i>Chemical Engineering Journal</i> , 2022, 442, 136333.	6.6	3
5	Surface modification of Cu ₂ O-CuO photocatalyst on Cu wire through decorating with TiO ₂ nanoparticles for enhanced visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165864.	2.8	25
6	Towards full-spectrum photocatalysis: Successful approaches and materials. <i>Applied Catalysis A: General</i> , 2021, 610, 117966.	2.2	36
7	Composite materials in thermo-photo catalysis. , 2021, , 409-420.		0
8	Carbothermally generated copper-molybdenum carbide supported on graphite for the CO ₂ hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2021, 11, 4051-4059.	2.1	7
9	Biomass valorization: Catalytic approaches using benign-by-design nanomaterials. <i>Advances in Inorganic Chemistry</i> , 2021, 77, 27-58.	0.4	5
10	Nature-inspired hierarchical materials for sensing and energy storage applications. <i>Chemical Society Reviews</i> , 2021, 50, 4856-4871.	18.7	49
11	Heterogeneous Photocatalysis. <i>ChemEngineering</i> , 2021, 5, 26.	1.0	9
12	Metabolomics reveals synergy between Ag and g-C ₃ N ₄ in Ag/g-C ₃ N ₄ composite photocatalysts: a unique feature among Ag-doped biocidal materials. <i>Metabolomics</i> , 2021, 17, 53.	1.4	2
13	Titania-decorated copper oxide nanophotocatalyst powder: A stable and promoted photocatalytic active system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113401.	2.0	6
14	Interpreting quantum efficiency for energy and environmental applications of photo-catalytic materials. <i>Current Opinion in Chemical Engineering</i> , 2021, 33, 100712.	3.8	6
15	Assessing quantitatively charge carrier fate in 4-chlorophenol photocatalytic degradation using globular titania catalysts: Implications in quantum efficiency calculation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106074.	3.3	5
16	Pt/B-g-C ₃ N ₄ catalysts for hydrogen photo-production: Activity interpretation through a spectroscopic and intrinsic kinetic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106073.	3.3	8
17	Thermo-photo production of hydrogen using ternary Pt-CeO ₂ -TiO ₂ catalysts: A spectroscopic and mechanistic study. <i>Chemical Engineering Journal</i> , 2021, 425, 130641.	6.6	13
18	Oxide-based composites: applications in thermo-photocatalysis. <i>Catalysis Science and Technology</i> , 2021, 11, 6904-6930.	2.1	13

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19	Pd-Pt bimetallic Nb-doped TiO ₂ for H ₂ photo-production: Gas and liquid phase processes. <i>Molecular Catalysis</i> , 2020, 481, 110240.	1.0	1
20	Sunlight active g-C ₃ N ₄ -based Mn ⁺ (M Cu, Ni, Zn, Mn) promoted catalysts: Sharing of nitrogen atoms as a door for optimizing photo-activity. <i>Molecular Catalysis</i> , 2020, 484, 110725.	1.0	2
21	Hydrogen photogeneration using ternary CuGaS ₂ -TiO ₂ -Pt nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1510-1520.	3.8	24
22	Waste-derived Materials: Opportunities in Photocatalysis. <i>Topics in Current Chemistry</i> , 2020, 378, 3.	3.0	18
23	Improving Electrochemical Hydrogen Evolution of Ag@CN Nanocomposites by Synergistic Effects with Í±-Rich Proteins. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2207-2215.	4.0	20
24	Selective hydrogen production from formic acid decomposition over Mo carbides supported on carbon materials. <i>Catalysis Science and Technology</i> , 2020, 10, 6790-6799.	2.1	22
25	Photocatalytic Production of Vanillin over CeO ₂ and ZrO ₂ Modified Biomass-Templated Titania. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17085-17093.	1.8	18
26	Effect of TiO ₂ nanoparticle loading by sol-gel method on the gas-phase photocatalytic activity of CuxO-TiO ₂ nanocomposite. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 96, 464-479.	1.1	8
27	Sunlight-Operated TiO ₂ -Based Photocatalysts. <i>Molecules</i> , 2020, 25, 4008.	1.7	23
28	Boosting Pt/TiO ₂ hydrogen photoproduction through Zr doping of the anatase structure: A spectroscopic and mechanistic study. <i>Chemical Engineering Journal</i> , 2020, 398, 125665.	6.6	18
29	Photocatalytic toluene degradation: braiding physico-chemical and intrinsic kinetic analyses. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1429-1440.	1.9	2
30	Facile synthesis of B/g-C ₃ N ₄ composite materials for the continuous-flow selective photo-production of acetone. <i>Green Chemistry</i> , 2020, 22, 4975-4984.	4.6	25
31	Microemulsion: A versatile synthesis tool for photocatalysis. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 49, 42-59.	3.4	14
32	Promoting H ₂ photoproduction of TiO ₂ -based materials by surface decoration with Pt nanoparticles and SnS ₂ nanoplatelets. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119246.	10.8	35
33	Thermal and light irradiation effects on the electrocatalytic performance of hemoglobin modified Co ₃ O ₄ -g-C ₃ N ₄ nanomaterials for the oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 8477-8484.	2.8	14
34	(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.	10.8	11
35	Graphitic carbon nitride-based photocatalysts: Toward efficient organic transformation for value-added chemicals production. <i>Molecular Catalysis</i> , 2020, 488, 110902.	1.0	245
36	State-of-the-Art of Eggshell Waste in Materials Science: Recent Advances in Catalysis, Pharmaceutical Applications, and Mechanochemistry. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 612567.	2.0	38

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37	Characterization of Photo-catalysts: From Traditional to Advanced Approaches. Topics in Current Chemistry Collections, 2020, , 163-191.	0.2	0
38	Mechanochemical synthesis of three double perovskites: Cs ₂ AgBiBr ₆ , (CH ₃ NH ₃) ₂ TiBiBr ₆ and Cs ₂ AgSbBr ₆ . Nanoscale, 2019, 11, 16650-16657.	2.8	65
39	g-C ₃ N ₄ /TiO ₂ composite catalysts for the photo-oxidation of toluene: Chemical and charge handling effects. Chemical Engineering Journal, 2019, 378, 122228.	6.6	46
40	Mechanochemical Synthesis of CuO/MgAl ₂ O ₄ and MgFe ₂ O ₄ Spinels for Vanillin Production from Isoeugenol and Vanillyl Alcohol. Molecules, 2019, 24, 2597.	1.7	29
41	Efficient Ru-based scrap waste automotive converter catalysts for the continuous-flow selective hydrogenation of cinnamaldehyde. Green Chemistry, 2019, 21, 4712-4722.	4.6	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.	1.8	8
43	Toward the Green Production of H ₂ : Binary Pt-Ru Promoted Nb-TiO ₂ Based Photocatalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 15671-15683.	3.2	17
44	Characterization of Photo-catalysts: From Traditional to Advanced Approaches. Topics in Current Chemistry, 2019, 377, 24.	3.0	12
45	Braiding kinetics and spectroscopy in photo-catalysis: the spectro-kinetic approach. Chemical Society Reviews, 2019, 48, 637-682.	18.7	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.	4.6	21
47	Characterization and performance of Cu ₂ O nanostructures on Cu wire photocatalyst synthesized in-situ by chemical and thermal oxidation. Journal of Materials Science: Materials in Electronics, 2019, 30, 13675-13689.	1.1	10
48	A flexible cell for <i>in situ</i> combined XAS-DRIFTS-MS experiments. Journal of Synchrotron Radiation, 2019, 26, 801-810.	1.0	6
49	Hydrogen thermo-photo production using Ru/TiO ₂ : Heat and light synergistic effects. Applied Catalysis B: Environmental, 2019, 256, 117790.	10.8	44
50	Continuous Flow Synthesis of High Valuable N-Heterocycles via Catalytic Conversion of Levulinic Acid. Frontiers in Chemistry, 2019, 7, 103.	1.8	21
51	Thermo-Photocatalysis: Environmental and Energy Applications. ChemSusChem, 2019, 12, 2098-2116.	3.6	115
52	Versatile Protein-Templated TiO ₂ Nanocomposite for Energy Storage and Catalytic Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 5329-5337.	3.2	24
53	One-Pot Cu/TiO ₂ Nanoparticles Synthesis for Trans-Ferulic Acid Conversion into Vanillin. Molecules, 2019, 24, 3985.	1.7	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.	10.8	21

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55	Benign-by-design advanced nanomaterials for environmental and energy-related applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 15, 98-102.	3.2	6
56	Unprecedented Wiring Efficiency of Sulfonated Graphitic Carbon Nitride Materials: Toward High-Performance Amperometric Recombinant CoxA Laccase Biosensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1474-1484.	3.2	21
57	Environmental Catalysis: Present and Future. <i>ChemCatChem</i> , 2019, 11, 18-38.	1.8	87
58	Facile mechanochemical modification of g-C ₃ N ₄ for selective photo-oxidation of benzyl alcohol. <i>Chemical Engineering Science</i> , 2019, 194, 78-84.	1.9	43
59	Effect of different promoter precursors in a model Ru-Cs/graphite system on the catalytic selectivity for Fischer-Tropsch reaction. <i>Applied Surface Science</i> , 2018, 447, 307-314.	3.1	8
60	Sunlight-Driven Hydrogen Production Using an Annular Flow Photoreactor and g-C ₃ N ₄ -Based Catalysts. <i>ChemPhotoChem</i> , 2018, 2, 870-877.	1.5	20
61	Er-W codoping of TiO ₂ -anatase: Structural and electronic characterization and disinfection capability under UV-vis, and near-IR excitation. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 113-129.	10.8	22
62	Sn modification of TiO ₂ anatase and rutile type phases: 2-Propanol photo-oxidation under UV and visible light. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 130-141.	10.8	19
63	Phase-Contact Engineering in Mono- and Bimetallic Cu-Ni Co-catalysts for Hydrogen Photocatalytic Materials. <i>Angewandte Chemie</i> , 2018, 130, 1213-1217.	1.6	6
64	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.	7.2	59
65	H ₂ photo-production from methanol, ethanol and 2-propanol: Pt-(Nb)TiO ₂ performance under UV and visible light. <i>Molecular Catalysis</i> , 2018, 446, 88-97.	1.0	28
66	Measuring and interpreting quantum efficiency of acid blue 9 photodegradation using TiO ₂ -based catalysts. <i>Applied Catalysis A: General</i> , 2018, 550, 38-47.	2.2	11
67	Thermo-photo degradation of 2-propanol using a composite ceria-titania catalyst: Physico-chemical interpretation from a kinetic model. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 298-306.	10.8	34
68	Composite H ₃ PW ₁₂ O ₄₀ -TiO ₂ catalysts for toluene selective photo-oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 100-109.	10.8	58
69	Microwave-assisted preparation of Ag/Ag ₂ S carbon hybrid structures from pig bristles as efficient HER catalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21516-21523.	5.2	48
70	Benign-by-Design Orange Peel-Templated Nanocatalysts for Continuous Flow Conversion of Levulinic Acid to N-Heterocycles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16637-16644.	3.2	38
71	XAS/DRIFTS/MS spectroscopy for time-resolved <i>operando</i> investigations at high temperature. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1745-1752.	1.0	22
72	Chromism and catalysis shake hands. <i>Nature Catalysis</i> , 2018, 1, 643-644.	16.1	5

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73	Highly Active Catalytic Ruthenium/TiO ₂ Nanomaterials for Continuous Production of Valerolactone. <i>ChemSusChem</i> , 2018, 11, 2604-2611.	3.6	23
74	Understanding W Doping in Wurtzite ZnO. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19082-19089.	1.5	4
75	Operando Spectroscopy in Photocatalysis. <i>ChemPhotoChem</i> , 2018, 2, 777-785.	1.5	28
76	Enhancing photocatalytic performance of TiO ₂ in H ₂ evolution via Ru co-catalyst deposition. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 434-443.	10.8	85
77	Novel (NH ₄) ₄ [NiMo ₆ O ₂₄ H ₆]·5H ₂ O @ TiO ₂ composite system: Photo-oxidation of toluene under UV and sunlight-type illumination. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 381-392.	10.8	16
78	Bimetallic Pt-Pd co-catalyst Nb-doped TiO ₂ materials for H ₂ photo-production under UV and Visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 533-545.	10.8	70
79	Mechanochemistry: Toward Sustainable Design of Advanced Nanomaterials for Electrochemical Energy Storage and Catalytic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9530-9544.	3.2	130
80	Measuring and interpreting quantum efficiency for hydrogen photo-production using Pt-titania catalysts. <i>Journal of Catalysis</i> , 2017, 347, 157-169.	3.1	68
81	UV and visible light driven H ₂ photo-production using Nb-doped TiO ₂ : Comparing Pt and Pd co-catalysts. <i>Molecular Catalysis</i> , 2017, 437, 1-10.	1.0	28
82	UV and visible hydrogen photo-production using Pt promoted Nb-doped TiO ₂ photo-catalysts: Interpreting quantum efficiency. <i>Applied Catalysis B: Environmental</i> , 2017, 216, 133-145.	10.8	41
83	Understanding the role of oxygen surface groups: The key for a smart ruthenium-based carbon-supported heterogeneous catalyst design and synthesis. <i>Applied Catalysis A: General</i> , 2017, 544, 66-76.	2.2	15
84	Effect of exfoliation and surface deposition of MnO _x species in g-C ₃ N ₄ : Toluene photo-degradation under UV and visible light. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 663-672.	10.8	43
85	Gas phase 2-propanol degradation using titania photocatalysts: Study of the quantum efficiency. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 400-410.	10.8	35
86	Mechanochemical Synthesis of TiO ₂ Nanocomposites as Photocatalysts for Benzyl Alcohol Photo-Oxidation. <i>Nanomaterials</i> , 2016, 6, 93.	1.9	41
87	Surface CuO, Bi ₂ O ₃ , and CeO ₂ Species Supported in TiO ₂ -Anatase: Study of Interface Effects in Toluene Photodegradation Quantum Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13934-13945.	4.0	22
88	Ni-based bimetallic heterogeneous catalysts for energy and environmental applications. <i>Energy and Environmental Science</i> , 2016, 9, 3314-3347.	15.6	556
89	Efficient Electrochemical Production of Syngas from CO ₂ and H ₂ O by using a Nanostructured Ag/g-C ₃ N ₄ Catalyst. <i>ChemElectroChem</i> , 2016, 3, 1497-1502.	1.7	46
90	Effect of the anatase-rutile contact in gas phase toluene photodegradation quantum efficiency. <i>Chemical Engineering Journal</i> , 2016, 299, 393-402.	6.6	23

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91	Time-Resolved XAS Investigation of the Local Environment and Evolution of Oxidation States of a Fischer-Tropsch Ru-Cs/C Catalyst. <i>ACS Catalysis</i> , 2016, 6, 1437-1445.	5.5	23
92	Disinfection capability of Ag/g-C ₃ N ₄ composite photocatalysts under UV and visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 86-95.	10.8	127
93	Catalytic hydrogen production through WGS or steam reforming of alcohols over Cu, Ni and Co catalysts. <i>Applied Catalysis A: General</i> , 2016, 518, 2-17.	2.2	78
94	Interface Effects in Sunlight-Driven Ag/g-C ₃ N ₄ Composite Catalysts: Study of the Toluene Photodegradation Quantum Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2617-2627.	4.0	140
95	Photoactivity and charge trapping sites in copper and vanadium doped anatase TiO ₂ nano-materials. <i>Catalysis Science and Technology</i> , 2016, 6, 1094-1105.	2.1	46
96	Liquid phase oxidation chemistry in continuous-flow microreactors. <i>Chemical Society Reviews</i> , 2016, 45, 83-117.	18.7	421
97	Role of the Interface in Base-Metal Ceria-Based Catalysts for Hydrogen Purification and Production Processes. <i>ChemCatChem</i> , 2015, 7, 3614-3624.	1.8	35
98	Cu-TiO ₂ systems for the photocatalytic H ₂ production: Influence of structural and surface support features. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 468-478.	10.8	79
99	Detecting the Genesis of a High-Performance Carbon-Supported Pd Sulfide Nanophase and Its Evolution in the Hydrogenation of Butadiene. <i>ACS Catalysis</i> , 2015, 5, 5235-5241.	5.5	38
100	Heterogeneous photocatalysis: Light-matter interaction and chemical effects in quantum efficiency calculations. <i>Journal of Catalysis</i> , 2015, 330, 154-166.	3.1	59
101	Enhancing promoting effects in g-C ₃ N ₄ -Mn ⁺ /CeO ₂ -TiO ₂ ternary composites: Photo-handling of charge carriers. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 687-698.	10.8	33
102	Morphology effects in photoactive ZnO nanostructures: photooxidative activity of polar surfaces. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8782-8792.	5.2	39
103	Visible and ultraviolet antibacterial behavior in PVDF-TiO ₂ nanocomposite films. <i>European Polymer Journal</i> , 2015, 71, 412-422.	2.6	19
104	Ceria promotion of acetaldehyde photo-oxidation in a TiO ₂ -based catalyst: a spectroscopic and kinetic study. <i>Catalysis Science and Technology</i> , 2015, 5, 1521-1531.	2.1	22
105	Superior performance of Ni-W-Ce mixed-metal oxide catalysts for ethanol steam reforming: Synergistic effects of W- and Ni-dopants. <i>Journal of Catalysis</i> , 2015, 321, 90-99.	3.1	47
106	Efficient and stable Ni-Ce glycerol reforming catalysts: Chemical imaging using X-ray electron and scanning transmission microscopy. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 139-148.	10.8	31
107	Promotion of CeO ₂ -TiO ₂ photoactivity by g-C ₃ N ₄ : Ultraviolet and visible light elimination of toluene. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 261-270.	10.8	63
108	Evolution of H ₂ photoproduction with Cu content on CuO-TiO ₂ composite catalysts prepared by a microemulsion method. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 214-222.	10.8	61

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109	Catalytic Adventures in Space and Time Using High Energy X-rays. <i>Catalysis Surveys From Asia</i> , 2014, 18, 134-148.	1.0	9
110	Continuous flow transformations of glycerol to valuable products: an overview. <i>Sustainable Chemical Processes</i> , 2014, 2, .	2.3	86
111	Composite Bi ₂ O ₃ @TiO ₂ catalysts for toluene photo-degradation: Ultraviolet and visible light performances. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 307-313.	10.8	63
112	Role of Interface Contact in CeO ₂ @TiO ₂ Photocatalytic Composite Materials. <i>ACS Catalysis</i> , 2014, 4, 63-72.	5.5	178
113	Three-phase nanocomposites of two nanoclays and TiO ₂ : Synthesis, characterization and photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 526-533.	10.8	40
114	Green photo-oxidation of styrene over W@Ti composite catalysts. <i>Journal of Catalysis</i> , 2014, 309, 428-438.	3.1	32
115	Heterogeneous photocatalytic nanomaterials: prospects and challenges in selective transformations of biomass-derived compounds. <i>Chemical Society Reviews</i> , 2014, 43, 765-778.	18.7	539
116	Hydroxyl Identification on ZnO by Infrared Spectroscopies: Theory and Experiments. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1492-1505.	1.5	40
117	Effective Enhancement of TiO ₂ Photocatalysis by Synergistic Interaction of Surface Species: From Promoters to Co-catalysts. <i>ACS Catalysis</i> , 2014, 4, 4277-4288.	5.5	37
118	Effect of g-C ₃ N ₄ loading on TiO ₂ -based photocatalysts: UV and visible degradation of toluene. <i>Catalysis Science and Technology</i> , 2014, 4, 2006.	2.1	83
119	Morphological and structural behavior of TiO ₂ nanoparticles in the presence of WO ₃ : crystallization of the oxide composite system. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19540-19549.	1.3	10
120	Water-Gas Shift Reaction on Ni@W@Ce Catalysts: Catalytic Activity and Structural Characterization. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2528-2538.	1.5	48
121	Acetaldehyde degradation under UV and visible irradiation using CeO ₂ @TiO ₂ composite systems: Evaluation of the photocatalytic efficiencies. <i>Chemical Engineering Journal</i> , 2014, 255, 297-306.	6.6	56
122	Abatement of organics and Escherichia coli using CeO ₂ -TiO ₂ composite oxides: Ultraviolet and visible light performances. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 350-359.	10.8	29
123	Understanding the antimicrobial mechanism of TiO ₂ -based nanocomposite films in a pathogenic bacterium. <i>Scientific Reports</i> , 2014, 4, 4134.	1.6	335
124	Following the Evolution of Ru/Activated Carbon Catalysts during the Decomposition@Reduction of the Ru(NO)(NO ₃) ₃ Precursor. <i>ChemCatChem</i> , 2013, 5, 2446-2452.	1.8	18
125	Photocatalytic Nanooxides: The Case of TiO ₂ and ZnO. , 2013, , 245-266.		2
126	Continuous flow nanocatalysis: reaction pathways in the conversion of levulinic acid to valuable chemicals. <i>Green Chemistry</i> , 2013, 15, 2786.	4.6	70

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127	Role of TiO ₂ morphological characteristics in EVOH/TiO ₂ nanocomposite films: self-degradation and self-cleaning properties. RSC Advances, 2013, 3, 8541.	1.7	10
128	Tungsten as an interface agent leading to highly active and stable copper/ceria water gas shift catalyst. Applied Catalysis B: Environmental, 2013, 132-133, 423-432.	10.8	23
129	High-performance Er ³⁺ /TiO ₂ system: Dual up-conversion and electronic role of the lanthanide. Journal of Catalysis, 2013, 299, 298-306.	3.1	108
130	UV and visible light optimization of anatase TiO ₂ antimicrobial properties: Surface deposition of metal and oxide (Cu, Zn, Ag) species. Applied Catalysis B: Environmental, 2013, 140-141, 680-690.	10.8	73
131	Palygorskite/TiO ₂ nanocomposites: Part 2. photocatalytic activities in decomposing air and organic pollutants. Applied Clay Science, 2013, 83-84, 198-202.	2.6	20
132	Photocatalytic behavior of silver vanadates: Microemulsion synthesis and post-reaction characterization. Chemical Engineering Journal, 2013, 224, 24-31.	6.6	33
133	Halloysite/TiO ₂ nanocomposites: Synthesis, characterization and photocatalytic activity. Applied Catalysis B: Environmental, 2013, 132-133, 416-422.	10.8	98
134	Structure and activity of iron-doped TiO ₂ -anatase nanomaterials for gas-phase toluene photo-oxidation. Catalysis Science and Technology, 2013, 3, 626-634.	2.1	35
135	Sunlight-driven toluene photo-elimination using CeO ₂ -TiO ₂ composite systems: A kinetic study. Applied Catalysis B: Environmental, 2013, 140-141, 626-635.	10.8	58
136	Influence of the Ce/Zr promoter on Pd behaviour under dynamic CO/NO cycling conditions: a structural and chemical approach. Physical Chemistry Chemical Physics, 2013, 15, 8640.	1.3	15
137	Innovative insights in a plug flow microreactor for <i>in operando</i> X-ray studies. Journal of Applied Crystallography, 2013, 46, 1523-1527.	1.9	15
138	Characterization of Active Sites/Entities and Redox/Catalytic Correlations in Copper-Ceria-Based Catalysts for Preferential Oxidation of CO in H ₂ -Rich Streams. Catalysts, 2013, 3, 378-400.	1.6	56
139	Biodegradable Polycaprolactone-Titania Nanocomposites: Preparation, Characterization and Antimicrobial Properties. International Journal of Molecular Sciences, 2013, 14, 9249-9266.	1.8	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.	2.2	36
141	Making Photo-selective TiO ₂ Materials by Cation/Anion Codoping: From Structure and Electronic Properties to Photoactivity. Journal of Physical Chemistry C, 2012, 116, 18759-18767.	1.5	29
142	A structural and surface approach to size and shape control of sulfur-modified undoped and Fe-doped TiO ₂ anatase nano-materials. Physical Chemistry Chemical Physics, 2012, 14, 5628.	1.3	14
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