

Marcos Fernandez-Garca

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

327
papers

20,122
citations

73
h-index

131
g-index

341
ext. papers

21,700
ext. citations

10.1
avg, IF

7.11
L-index

#	Paper	IF	Citations
327	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	4.7	0
326	H ₂ Photoproduction Efficiency: Implications of the Reaction Mechanism as a Function of the Methanol/Water Mixture. <i>Catalysts</i> , 2022 , 12, 402	4	0
325	Shepherding reaction intermediates to optimize H ₂ yield using composite-doped TiO ₂ -based photocatalysts. <i>Chemical Engineering Journal</i> , 2022 , 442, 136333	14.7	0
324	Heterogeneous Photocatalysis. <i>ChemEngineering</i> , 2021 , 5, 26	2.6	2
323	Metabolomics reveals synergy between Ag and g-CN in Ag/g-CN composite photocatalysts: a unique feature among Ag-doped biocidal materials. <i>Metabolomics</i> , 2021 , 17, 53	4.7	0
322	Towards full-spectrum photocatalysis: Successful approaches and materials. <i>Applied Catalysis A: General</i> , 2021 , 610, 117966	5.1	12
321	Composite materials in thermo-photo catalysis 2021 , 409-420		
320	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	5.5	1
319	Biomass valorization: Catalytic approaches using benign-by-design nanomaterials. <i>Advances in Inorganic Chemistry</i> , 2021 , 77, 27-58	2.1	3
318	Nature-inspired hierarchical materials for sensing and energy storage applications. <i>Chemical Society Reviews</i> , 2021 , 50, 4856-4871	58.5	14
317	Role of Alkali-Cyano group interaction in g-C ₃ N ₄ based Catalysts for Hydrogen Photo-production. <i>Catalysis Today</i> , 2021 ,	5.3	1
316	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	4.7	2
315	Interpreting quantum efficiency for energy and environmental applications of photo-catalytic materials. <i>Current Opinion in Chemical Engineering</i> , 2021 , 33, 100712	5.4	1
314	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	6.8	2
313	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	6.8	2
312	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	14.7	5
311	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	14.7	9

310	Photocatalytic toluene degradation: braiding physico-chemical and intrinsic kinetic analyses. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 1429-1440	4.9	0
309	Facile synthesis of B/g-C3N4 composite materials for the continuous-flow selective photo-production of acetone. <i>Green Chemistry</i> , 2020 , 22, 4975-4984	10	13
308	Microemulsion: A versatile synthesis tool for photocatalysis. <i>Current Opinion in Colloid and Interface Science</i> , 2020 , 49, 42-59	7.6	7
307	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	21.8	22
306	Thermal and light irradiation effects on the electrocatalytic performance of hemoglobin modified CoO-g-CN nanomaterials for the oxygen evolution reaction. <i>Nanoscale</i> , 2020 , 12, 8477-8484	7.7	8
305	(NH ₄) ₄ [NiMo ₆ O ₂₄ H ₆].5H ₂ O / g-C ₃ N ₄ materials for selective photo-oxidation of CO and CC bonds. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119299	21.8	7
304	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	3.3	2
303	Hydrogen photogeneration using ternary CuGaS ₂ -TiO ₂ -Pt nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1510-1520	6.7	14
302	Improving Electrochemical Hydrogen Evolution of Ag@CN Nanocomposites by Synergistic Effects with Rich Proteins. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2207-2215	9.5	14
301	Selective hydrogen production from formic acid decomposition over Mo carbides supported on carbon materials. <i>Catalysis Science and Technology</i> , 2020 , 10, 6790-6799	5.5	11
300	Photocatalytic Production of Vanillin over CeOx and ZrO ₂ Modified Biomass-Templated Titania. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17085-17093	3.9	6
299	Effect of TiO ₂ nanoparticle loading by sol-gel method on the gas-phase photocatalytic activity of Cu _x O/TiO ₂ nanocomposite. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 96, 464-479	2.3	3
298	Sunlight-Operated TiO ₂ -Based Photocatalysts. <i>Molecules</i> , 2020 , 25,	4.8	9
297	Pd-Pt bimetallic Nb-doped TiO ₂ for H ₂ photo-production: Gas and liquid phase processes. <i>Molecular Catalysis</i> , 2020 , 481, 110240	3.3	0
296	Graphitic carbon nitride-based photocatalysts: Toward efficient organic transformation for value-added chemicals production. <i>Molecular Catalysis</i> , 2020 , 488, 110902	3.3	139
295	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	5.8	10
294	Toward the Green Production of H ₂ : Binary Pt/Ru Promoted Nb-TiO ₂ Based Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15671-15683	8.3	15
293	Characterization of Photo-catalysts: From Traditional to Advanced Approaches. <i>Topics in Current Chemistry</i> , 2019 , 377, 24	7.2	7

292	Braiding kinetics and spectroscopy in photo-catalysis: the spectro-kinetic approach. <i>Chemical Society Reviews</i> , 2019 , 48, 637-682	58.5	56
291	Continuous flow synthesis of amines from the cascade reactions of nitriles and carbonyl-containing compounds promoted by Pt-modified titania catalysts. <i>Green Chemistry</i> , 2019 , 21, 300-306	10	14
290	Characterization and performance of Cu ₂ O nanostructures on Cu wire photocatalyst synthesized in-situ by chemical and thermal oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 13675-13689	2.1	8
289	A flexible cell for in situ combined XAS-DRIFTS-MS experiments. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 801-810	2.4	2
288	Hydrogen thermo-photo production using Ru/TiO ₂ : Heat and light synergistic effects. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117790	21.8	27
287	Continuous Flow Synthesis of High Valuable N-Heterocycles via Catalytic Conversion of Levulinic Acid. <i>Frontiers in Chemistry</i> , 2019 , 7, 103	5	15
286	Thermo-Photocatalysis: Environmental and Energy Applications. <i>ChemSusChem</i> , 2019 , 12, 2098-2116	8.3	69
285	Versatile Protein-Templated TiO ₂ Nanocomposite for Energy Storage and Catalytic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5329-5337	8.3	18
284	Mechanochemical synthesis of three double perovskites: CsAgBiBr, (CHNH)TlBiBr and CsAgSbBr. <i>Nanoscale</i> , 2019 , 11, 16650-16657	7.7	35
283	g-C ₃ N ₄ /TiO ₂ composite catalysts for the photo-oxidation of toluene: Chemical and charge handling effects. <i>Chemical Engineering Journal</i> , 2019 , 378, 122228	14.7	27
282	Mechanochemical Synthesis of CuO/MgAlO and MgFeO Spinel for Vanillin Production from Isoeugenol and Vanillyl Alcohol. <i>Molecules</i> , 2019 , 24,	4.8	15
281	Efficient Ru-based scrap waste automotive converter catalysts for the continuous-flow selective hydrogenation of cinnamaldehyde. <i>Green Chemistry</i> , 2019 , 21, 4712-4722	10	12
280	Ultrastable CoxSiyOz Nanowires by Glancing Angle Deposition with Magnetron Sputtering as Novel Electrocatalyst for Water Oxidation. <i>ChemCatChem</i> , 2019 , 11, 6111-6115	5.2	8
279	Waste-derived Materials: Opportunities in Photocatalysis. <i>Topics in Current Chemistry</i> , 2019 , 378, 3	7.2	12
278	One-Pot Cu/TiO Nanoparticles Synthesis for Trans-Ferulic Acid Conversion into Vanillin. <i>Molecules</i> , 2019 , 24,	4.8	6
277	Toluene and styrene photo-oxidation quantum efficiency: Comparison between doped and composite tungsten-containing anatase-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 49-61	21.8	17
276	Benign-by-design advanced nanomaterials for environmental and energy-related applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019 , 15, 98-102	7.9	5
275	Unprecedented Wiring Efficiency of Sulfonated Graphitic Carbon Nitride Materials: Toward High-Performance Amperometric Recombinant CotA Laccase Biosensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1474-1484	8.3	15

274	Environmental Catalysis: Present and Future. <i>ChemCatChem</i> , 2019 , 11, 18-38	5.2	61
273	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	4.4	37
272	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	6.7	5
271	Sunlight-Driven Hydrogen Production Using an Annular Flow Photoreactor and g-C ₃ N ₄ -Based Catalysts. <i>ChemPhotoChem</i> , 2018 , 2, 870-877	3.3	14
270	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	21.8	19
269	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	21.8	15
268	Phase-Contact Engineering in Mono- and Bimetallic Cu-Ni Co-catalysts for Hydrogen Photocatalytic Materials. <i>Angewandte Chemie</i> , 2018 , 130, 1213-1217	3.6	3
267	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	16.4	44
266	Heterogeneous Room Temperature Catalysis [Nanomaterials 2018 , 59-88		1
265	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	3.3	24
264	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	5.1	8
263	Understanding W Doping in Wurtzite ZnO. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19082-19089	3.8	3
262	Operando Spectroscopy in Photocatalysis. <i>ChemPhotoChem</i> , 2018 , 2, 777-785	3.3	18
261	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	21.8	65
260	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	21.8	12
259	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	21.8	51
258	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	8.3	97
257	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	21.8	27

256	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	21.8	40
255	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	13	34
254	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	8.3	25
253	XAS/DRIFTS/MS spectroscopy for time-resolved operando investigations at high temperature. <i>Journal of Synchrotron Radiation</i> , 2018 , 25, 1745-1752	2.4	16
252	Highly Active Catalytic Ruthenium/TiO Nanomaterials for Continuous Production of γ -Valerolactone. <i>ChemSusChem</i> , 2018 , 11, 2604-2611	8.3	17
251	Measuring and interpreting quantum efficiency for hydrogen photo-production using Pt-titania catalysts. <i>Journal of Catalysis</i> , 2017 , 347, 157-169	7.3	53
250	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	3.3	25
249	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	21.8	35
248	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	5.1	8
247	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	21.8	38
246	Gas phase 2-propanol degradation using titania photocatalysts: Study of the quantum efficiency. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 400-410	21.8	32
245	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	5.5	38
244	Liquid phase oxidation chemistry in continuous-flow microreactors. <i>Chemical Society Reviews</i> , 2016 , 45, 83-117	58.5	344
243	Ni-based bimetallic heterogeneous catalysts for energy and environmental applications. <i>Energy and Environmental Science</i> , 2016 , 9, 3314-3347	35.4	413
242	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	4.3	34
241	Effect of the anatase/rutile contact in gas phase toluene photodegradation quantum efficiency. <i>Chemical Engineering Journal</i> , 2016 , 299, 393-402	14.7	23
240	Time-Resolved XAS Investigation of the Local Environment and Evolution of Oxidation States of a Fischer-Tropsch Ru/C Catalyst. <i>ACS Catalysis</i> , 2016 , 6, 1437-1445	13.1	17
239	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	21.8	110

238	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	5.1	64
237	Interface Effects in Sunlight-Driven Ag/g-C3N4 Composite Catalysts: Study of the Toluene Photodegradation Quantum Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2617-27	9.5	121
236	Mechanochemical Synthesis of TiO ₂ /Nanocomposites as Photocatalysts for Benzyl Alcohol Photo-Oxidation. <i>Nanomaterials</i> , 2016 , 6,	5.4	37
235	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, 13934-45	8.5	16
234	XAS Spectroscopy: Related Techniques and Combination with Other Spectroscopic and Scattering Methods 2016 , 303-350		6
233	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	13.1	29
232	Heterogeneous photocatalysis: Light-matter interaction and chemical effects in quantum efficiency calculations. <i>Journal of Catalysis</i> , 2015 , 330, 154-166	7.3	52
231	Enhancing promoting effects in g-C3N4-Mn ⁺ /CeO ₂ -TiO ₂ ternary composites: Photo-handling of charge carriers. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 687-698	21.8	32
230	Morphology effects in photoactive ZnO nanostructures: photooxidative activity of polar surfaces. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8782-8792	13	31
229	Visible and ultraviolet antibacterial behavior in PVDF/TiO ₂ nanocomposite films. <i>European Polymer Journal</i> , 2015 , 71, 412-422	5.2	13
228	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	5.5	16
227	Superior performance of Ni ₂ WTe mixed-metal oxide catalysts for ethanol steam reforming: Synergistic effects of W- and Ni-dopants. <i>Journal of Catalysis</i> , 2015 , 321, 90-99	7.3	38
226	Efficient and stable NiTe glycerol reforming catalysts: Chemical imaging using X-ray electron and scanning transmission microscopy. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 139-148	21.8	29
225	Promotion of CeO ₂ /TiO ₂ photoactivity by g-C3N4: Ultraviolet and visible light elimination of toluene. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 261-270	21.8	54
224	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	21.8	55
223	Role of the Interface in Base-Metal Ceria-Based Catalysts for Hydrogen Purification and Production Processes. <i>ChemCatChem</i> , 2015 , 7, 3614-3624	5.2	31
222	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	21.8	64
221	Understanding the antimicrobial mechanism of TiO ₂ -based nanocomposite films in a pathogenic bacterium. <i>Scientific Reports</i> , 2014 , 4, 4134	4.9	237

220	Role of Interface Contact in CeO ₂ /TiO ₂ Photocatalytic Composite Materials. <i>ACS Catalysis</i> , 2014 , 4, 63-72	13.1	150
219	Three-phase nanocomposites of two nanoclays and TiO ₂ : Synthesis, characterization and photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 526-533	21.8	33
218	Green photo-oxidation of styrene over WO ₃ /TiO ₂ composite catalysts. <i>Journal of Catalysis</i> , 2014 , 309, 428-438	7.3	29
217	Heterogeneous photocatalytic nanomaterials: prospects and challenges in selective transformations of biomass-derived compounds. <i>Chemical Society Reviews</i> , 2014 , 43, 765-78	58.5	439
216	Hydroxyl Identification on ZnO by Infrared Spectroscopies: Theory and Experiments. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 1492-1505	3.8	33
215	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	13.1	35
214	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	5.5	75
213	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, 19540-9	3.6	8
212	Water-Gas Shift Reaction on Ni ₂ WTe Catalysts: Catalytic Activity and Structural Characterization. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2528-2538	3.8	40
211	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	14.7	50
210	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	21.8	28
209	Catalytic Adventures in Space and Time Using High Energy X-rays. <i>Catalysis Surveys From Asia</i> , 2014 , 18, 134-148	2.8	8
208	Continuous flow transformations of glycerol to valuable products: an overview. <i>Sustainable Chemical Processes</i> , 2014 , 2,		78
207	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	21.8	49
206	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	5.2	15
205	Photocatalytic Nanooxides: The Case of TiO ₂ and ZnO		2013, 245-266
204	Combining Infrared Spectroscopy with X-ray Techniques for Interrogating Heterogeneous Catalysts		2013, 369-409
203	Continuous flow nanocatalysis: reaction pathways in the conversion of levulinic acid to valuable chemicals. <i>Green Chemistry</i> , 2013 , 15, 2786	10	58

202	Role of TiO ₂ morphological characteristics in EVOH/TiO ₂ nanocomposite films: self-degradation and self-cleaning properties. <i>RSC Advances</i> , 2013 , 3, 8541	3.7	8
201	Tungsten as an interface agent leading to highly active and stable copper/ceria water gas shift catalyst. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 423-432	21.8	21
200	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	7.3	90
199	UV and visible light optimization of anatase TiO ₂ antimicrobial properties: Surface deposition of metal and oxide (Cu, Zn, Ag) species. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 680-690	21.8	66
198	Palygorskite/TiO ₂ nanocomposites: Part 2. photocatalytic activities in decomposing air and organic pollutants. <i>Applied Clay Science</i> , 2013 , 83-84, 198-202	5.2	16
197	Photocatalytic behavior of silver vanadates: Microemulsion synthesis and post-reaction characterization. <i>Chemical Engineering Journal</i> , 2013 , 224, 24-31	14.7	32
196	Halloysite/TiO ₂ nanocomposites: Synthesis, characterization and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 416-422	21.8	80
195	Structure and activity of iron-doped TiO ₂ -anatase nanomaterials for gas-phase toluene photo-oxidation. <i>Catalysis Science and Technology</i> , 2013 , 3, 626-634	5.5	29
194	Sunlight-driven toluene photo-elimination using CeO ₂ -TiO ₂ composite systems: A kinetic study. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 626-635	21.8	53
193	Influence of the Ce-Zr promoter on Pd behaviour under dynamic CO/NO cycling conditions: a structural and chemical approach. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8640-7	3.6	11
192	Innovative insights in a plug flow microreactor for operando X-ray studies. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1523-1527	3.8	13
191	Characterization of Active Sites/Entities and Redox/Catalytic Correlations in Copper-Ceria-Based Catalysts for Preferential Oxidation of CO in H ₂ -Rich Streams. <i>Catalysts</i> , 2013 , 3, 378-400	4	46
190	Biodegradable polycaprolactone-titania nanocomposites: preparation, characterization and antimicrobial properties. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 9249-66	6.3	55
189	Observing oxygen storage and release at work during cycling redox conditions: synergies between noble metal and oxide promoter. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2363-7	16.4	29
188	Microwave-assisted mild-temperature preparation of neodymium-doped titania for the improved photodegradation of water contaminants. <i>Applied Catalysis A: General</i> , 2012 , 441-442, 47-53	5.1	34
187	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	3.8	25
186	A structural and surface approach to size and shape control of sulfur-modified undoped and Fe-doped TiO ₂ anatase nano-materials. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5628-34	3.6	13
185	Titanium Dioxide/Polymer Nanocomposites with Advanced Properties 2012 , 119-149		3

184	Operando DRIFTS study of the redox and catalytic properties of CuO/Ce(1-x)Tb(x)O(2- δ) (x = 0-0.5) catalysts: evidence of an induction step during CO oxidation. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2144-51	3.6	24
183	Advanced nanoarchitectures for solar photocatalytic applications. <i>Chemical Reviews</i> , 2012 , 112, 1555-6148	48.1	1888
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34	Evaluation of Surface and Bulk Phases during Oxychlorination/Reduction Cycles of Pt/Re Catalysts. <i>Journal of Catalysis</i> , 1999 , 182, 199-207	7.3	12
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30	Genesis of Surface and Bulk Phases in Rhodium-Copper Catalysts. <i>Langmuir</i> , 1999 , 15, 5295-5302	4	20
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