

# Vincenzo Vaiano

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3451542/vincenzo-vaiano-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137 papers	3,981 citations	35 h-index	57 g-index
143 ext. papers	4,794 ext. citations	6.4 avg, IF	6.16 L-index

#	Paper	IF	Citations
137	Enhanced photocatalytic removal of phenol from aqueous solutions using ZnO modified with Ag. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 225, 197-206	21.8	297
136	Nanostructured N-doped TiO <sub>2</sub> coated on glass spheres for the photocatalytic removal of organic dyes under UV or visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 170-171, 153-161	21.8	190
135	Effect of solar simulated N-doped TiO <sub>2</sub> photocatalysis on the inactivation and antibiotic resistance of an E. coli strain in biologically treated urban wastewater. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 369-378	21.8	143
134	Cu-doped ZnO as efficient photocatalyst for the oxidation of arsenite to arsenate under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 238, 471-479	21.8	126
133	Photocatalytic removal of atrazine using N-doped TiO <sub>2</sub> supported on phosphors. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 164, 462-474	21.8	121
132	Photocatalytic removal of spiramycin from wastewater under visible light with N-doped TiO <sub>2</sub> photocatalysts. <i>Chemical Engineering Journal</i> , <b>2015</b> , 261, 3-8	14.7	110
131	Photocatalytic removal of patent blue V dye on Au-TiO <sub>2</sub> and Pt-TiO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 134-146	21.8	109
130	Photocatalytic treatment of aqueous solutions at high dye concentration using praseodymium-doped ZnO catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 621-630	21.8	94
129	Photocatalytic activity of a visible light active structured photocatalyst developed for municipal wastewater treatment. <i>Journal of Cleaner Production</i> , <b>2018</b> , 175, 38-49	10.3	80
128	Photocatalytic Degradation of Organic Dyes under Visible Light on N-Doped TiO <sub>2</sub> Photocatalysts. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-8	2.1	76
127	N-doped TiO <sub>2</sub> /s-PS aerogels for photocatalytic degradation of organic dyes in wastewater under visible light irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1175-1181	3.5	72
126	Enhanced photocatalytic hydrogen production from glucose aqueous matrices on Ru-doped LaFeO <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 207, 182-194	21.8	67
125	Mathematical modelling of photocatalytic degradation of methylene blue under visible light irradiation. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 56-60	6.8	65
124	From the design to the development of a continuous fixed bed photoreactor for photocatalytic degradation of organic pollutants in wastewater. <i>Chemical Engineering Science</i> , <b>2015</b> , 137, 152-160	4.4	57
123	Production of hydrogen from glucose by LaFeO <sub>3</sub> based photocatalytic process during water treatment. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 959-966	6.7	57
122	Ethanol partial photooxidation on Pt/TiO <sub>2</sub> catalysts as green route for acetaldehyde synthesis. <i>Catalysis Today</i> , <b>2012</b> , 196, 101-109	5.3	54
121	Cyclohexane photocatalytic oxidation on Pt/TiO <sub>2</sub> catalysts. <i>Catalysis Today</i> , <b>2013</b> , 209, 164-169	5.3	54

120	Enhanced visible light photocatalytic activity by up-conversion phosphors modified N-doped TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 176-177, 594-600	21.8	52
119	Enhanced removal of water pollutants by dielectric barrier discharge non-thermal plasma reactor. <i>Separation and Purification Technology</i> , <b>2019</b> , 215, 155-162	8.3	51
118	Structured catalysts for photo-Fenton oxidation of acetic acid. <i>Catalysis Today</i> , <b>2011</b> , 161, 255-259	5.3	50
117	Limitations and Prospects for Wastewater Treatment by UV and Visible-Light-Active Heterogeneous Photocatalysis: A Critical Review. <i>Topics in Current Chemistry</i> , <b>2019</b> , 378, 7	7.2	48
116	Photocatalytic hydrogen production from degradation of glucose over fluorinated and platinized TiO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , <b>2016</b> , 339, 47-56	7.3	47
115	Rare earth oxides in zirconium dioxide: How to turn a wide band gap metal oxide into a visible light active photocatalyst. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 270-276	12	45
114	Surface water disinfection by chlorination and advanced oxidation processes: Inactivation of an antibiotic resistant E. coli strain and cytotoxicity evaluation. <i>Science of the Total Environment</i> , <b>2016</b> , 554-555, 1-6	10.2	45
113	Hydrogen production from glucose degradation in water and wastewater treated by Ru-LaFeO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> magnetic particles photocatalysis and heterogeneous photo-Fenton. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 2184-2196	6.7	44
112	UV and visible-light driven photocatalytic removal of caffeine using ZnO modified with different noble metals (Pt, Ag and Au). <i>Materials Research Bulletin</i> , <b>2019</b> , 112, 251-260	5.1	44
111	Facile method to immobilize ZnO particles on glass spheres for the photocatalytic treatment of tannery wastewater. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 518, 192-199	9.3	43
110	Innovative structured VO <sub>x</sub> /TiO <sub>2</sub> photocatalysts supported on phosphors for the selective photocatalytic oxidation of ethanol to acetaldehyde. <i>Catalysis Today</i> , <b>2013</b> , 205, 159-167	5.3	43
109	ZnO supported on zeolite pellets as efficient catalytic system for the removal of caffeine by adsorption and photocatalysis. <i>Separation and Purification Technology</i> , <b>2018</b> , 193, 303-310	8.3	42
108	Process intensification in the removal of organic pollutants from wastewater using innovative photocatalysts obtained coupling Zinc Sulfide based phosphors with nitrogen doped semiconductors. <i>Journal of Cleaner Production</i> , <b>2015</b> , 100, 208-211	10.3	42
107	Heterogeneous photocatalytic oxidation of methyl ethyl ketone under UV-A light in an LED-fluidized bed reactor. <i>Catalysis Today</i> , <b>2014</b> , 230, 79-84	5.3	40
106	Photocurrent increase by metal modification of Fe <sub>2</sub> O <sub>3</sub> photoanodes and its effect on photoelectrocatalytic hydrogen production by degradation of organic substances. <i>Applied Surface Science</i> , <b>2017</b> , 400, 176-183	6.7	38
105	UV-LEDs floating-bed photoreactor for the removal of caffeine and paracetamol using ZnO supported on polystyrene pellets. <i>Chemical Engineering Journal</i> , <b>2018</b> , 350, 703-713	14.7	37
104	Avoiding the deactivation of sulphated MoO <sub>x</sub> /TiO <sub>2</sub> catalysts in the photocatalytic cyclohexane oxidative dehydrogenation by a fluidized bed photoreactor. <i>Applied Catalysis A: General</i> , <b>2011</b> , 394, 71-78	5.1	37
103	Photocatalytic oxidation of ethanol using undoped and Ru-doped titania: Acetaldehyde, hydrogen or electricity generation. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 144-148	14.7	36

102	H <sub>2</sub> production by thermal decomposition of H <sub>2</sub> S in the presence of oxygen. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 106-113	6.7	35
101	Photocatalytic Degradation of Azo Dye Reactive Violet 5 on Fe-Doped Titania Catalysts under Visible Light Irradiation. <i>Catalysts</i> , <b>2019</b> , 9, 645	4	35
100	Visible light active N-doped TiO <sub>2</sub> immobilized on polystyrene as efficient system for wastewater treatment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 348, 255-262	4.7	35
99	Fluidized-Bed Reactor for the Intensification of Gas-Phase Photocatalytic Oxidative Dehydrogenation of Cyclohexane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 10279-10286	3.9	35
98	Reaction mechanism of cyclohexane selective photo-oxidation to benzene on molybdena/titania catalysts. <i>Applied Catalysis A: General</i> , <b>2008</b> , 349, 140-147	5.1	35
97	Photocatalytic reduction of CO <sub>2</sub> over platinised Bi <sub>2</sub> WO <sub>6</sub> -based materials. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 678-85	4.2	33
96	Crystal violet and toxicity removal by adsorption and simultaneous photocatalysis in a continuous flow micro-reactor. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 430-438	10.2	33
95	Tuning the selectivity of MoO <sub>x</sub> supported catalysts for cyclohexane photo oxidehydrogenation. <i>Catalysis Today</i> , <b>2007</b> , 128, 251-257	5.3	33
94	Photocatalytic degradation of paracetamol under UV irradiation using TiO <sub>2</sub> -graphite composites. <i>Catalysis Today</i> , <b>2018</b> , 315, 230-236	5.3	32
93	Ag modified ZnS for photocatalytic water pollutants degradation: Influence of metal loading and preparation method. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 671-681	9.3	32
92	Influence of the Photoreactor Configuration and of Different Light Sources in the Photocatalytic Treatment of Highly Polluted Wastewater. <i>International Journal of Chemical Reactor Engineering</i> , <b>2014</b> , 12, 63-75	1.2	31
91	Photocatalysed selective oxidation of cyclohexane to benzene on MoO <sub>x</sub> /TiO <sub>2</sub> . <i>Catalysis Today</i> , <b>2005</b> , 99, 143-149	5.3	31
90	Degradation of terephthalic acid in a photocatalytic system able to work also at high pressure. <i>Chemical Engineering Journal</i> , <b>2017</b> , 312, 10-19	14.7	30
89	Changes in Antibiotic Resistance Gene Levels in Soil after Irrigation with Treated Wastewater: A Comparison between Heterogeneous Photocatalysis and Chlorination. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7677-7686	10.3	29
88	Photocatalytic H <sub>2</sub> production from glycerol aqueous solutions over fluorinated Pt-TiO <sub>2</sub> with high {001} facet exposure. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 365, 52-59	4.7	29
87	Intensification of gas-phase photooxidative dehydrogenation of ethanol to acetaldehyde by using phosphors as light carriers. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 414-8	4.2	29
86	Photocatalytic cyclohexane oxidehydrogenation on sulphated MoO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , <b>2009</b> , 141, 367-373	5.3	28
85	Zinc Oxide Nanoparticles Obtained by Supercritical Antisolvent Precipitation for the Photocatalytic Degradation of Crystal Violet Dye. <i>Catalysts</i> , <b>2019</b> , 9, 346	4	27

84	Removal of phenol in aqueous media by N-doped TiO <sub>2</sub> based photocatalytic aerogels. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 80, 104-110	4.3	27
83	MoO <sub>x</sub> /TiO <sub>2</sub> immobilized on quartz support as structured catalyst for the photocatalytic oxidation of As(III) to As(V) in aqueous solutions. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 109, 190-199	5.5	27
82	Simultaneous Production of CH <sub>4</sub> and H <sub>2</sub> from Photocatalytic Reforming of Glucose Aqueous Solution on Sulfated Pd-TiO <sub>2</sub> Catalysts. <i>Oil and Gas Science and Technology</i> , <b>2015</b> , 70, 891-902	1.9	26
81	Enhanced performances of grafted VO <sub>x</sub> on titania/silica for the selective photocatalytic oxidation of ethanol to acetaldehyde. <i>Catalysis Today</i> , <b>2013</b> , 209, 159-163	5.3	26
80	A step forwards in ethanol selective photo-oxidation. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 699-704	4.2	26
79	Keggin heteropolyacids supported on TiO <sub>2</sub> used in gas-solid (photo)catalytic propene hydration and in liquid-solid photocatalytic glycerol dehydration. <i>Catalysis Today</i> , <b>2017</b> , 281, 60-70	5.3	25
78	Electric energy saving in photocatalytic removal of crystal violet dye through the simultaneous use of long-persistent blue phosphors, nitrogen-doped TiO <sub>2</sub> and UV-light emitting diodes. <i>Journal of Cleaner Production</i> , <b>2019</b> , 210, 1015-1021	10.3	25
77	Photo-activated degradation of tartrazine by H <sub>2</sub> O <sub>2</sub> as catalyzed by both bare and Fe-doped methyl-imogolite nanotubes. <i>Catalysis Today</i> , <b>2018</b> , 304, 199-207	5.3	25
76	Steam reduction of CO <sub>2</sub> on Pd/TiO <sub>2</sub> catalysts: a comparison between thermal and photocatalytic reactions. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 550-5	4.2	24
75	Pt/TiO <sub>2</sub> /Nb <sub>2</sub> O <sub>5</sub> heterojunction as effective photocatalyst for the degradation of diclofenac and ketoprofen. <i>Materials Science in Semiconductor Processing</i> , <b>2020</b> , 107, 104839	4.3	24
74	Removal of arsenic from drinking water by photo-catalytic oxidation on MoO <sub>x</sub> /TiO <sub>2</sub> and adsorption on FeAl <sub>2</sub> O <sub>3</sub> . <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 88-95	3.5	21
73	Cyclohexane photocatalytic oxidative dehydrogenation to benzene on sulphated titania supported MoO <sub>x</sub> . <i>Studies in Surface Science and Catalysis</i> , <b>2005</b> , 155, 179-187	1.8	21
72	Packed Bed Photoreactor for the Removal of Water Pollutants Using Visible Light Emitting Diodes. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 472	2.6	21
71	Optimized microwave susceptible catalytic diesel soot trap. <i>Fuel</i> , <b>2017</b> , 205, 142-152	7.1	20
70	Experimental and numerical analysis of the oxidative decomposition of H <sub>2</sub> S. <i>Fuel</i> , <b>2017</b> , 198, 68-75	7.1	19
69	Improved Performances of a Fluidized Bed Photoreactor by a Microscale Illumination System. <i>International Journal of Photoenergy</i> , <b>2009</b> , 2009, 1-7	2.1	19
68	Photocatalytic Ethanol Oxidative Dehydrogenation over Pt/TiO <sub>2</sub> : Effect of the Addition of Blue Phosphors. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-9	2.1	19
67	Influence of aggregate size on photoactivity of N-doped TiO <sub>2</sub> particles in aqueous suspensions under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 336, 191-197	1.7	18

66	Immobilised Cerium-Doped Zinc Oxide as a Photocatalyst for the Degradation of Antibiotics and the Inactivation of Antibiotic-Resistant Bacteria. <i>Catalysts</i> , <b>2019</b> , 9, 222	4	18
65	Non-Thermal Plasma Coupled with Catalyst for the Degradation of Water Pollutants: A Review. <i>Catalysts</i> , <b>2020</b> , 10, 1438	4	18
64	Main parameters influencing the design of photocatalytic reactors for wastewater treatment: a mini review. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2608	3.5	15
63	Enhanced visible-light-driven photodegradation of Acid Orange 7 azo dye in aqueous solution using Fe-N co-doped TiO <sub>2</sub> . <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8347-8360	5.9	15
62	Photocatalytic Degradation of Eriochrome Black-T Azo Dye Using Eu-Doped ZnO Prepared by Supercritical Antisolvent Precipitation Route: A Preliminary Investigation. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 1193-1205	2.3	15
61	One-Step Catalytic or Photocatalytic Oxidation of Benzene to Phenol: Possible Alternative Routes for Phenol Synthesis?. <i>Catalysts</i> , <b>2020</b> , 10, 1424	4	15
60	Photocatalytic hydrogen evolution by co-catalyst-free TiO/C bulk heterostructures synthesized under mild conditions.. <i>RSC Advances</i> , <b>2020</b> , 10, 12519-12534	3.7	14
59	Inactivation of an urban wastewater indigenous strain by cerium doped zinc oxide photocatalysis.. <i>RSC Advances</i> , <b>2018</b> , 8, 26124-26132	3.7	14
58	Photocatalytic Hydrogen Production from Glycerol Aqueous Solution Using Cu-Doped ZnO under Visible Light Irradiation. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2741	2.6	14
57	Visible light active Fe-Pr co-doped TiO <sub>2</sub> for water pollutants degradation. <i>Catalysis Today</i> , <b>2021</b> , 380, 93-104	5.3	14
56	A green route for selective synthesis of styrene from ethylbenzene by means of a photocatalytic system. <i>Research on Chemical Intermediates</i> , <b>2013</b> , 39, 4145-4157	2.8	13
55	Advanced Oxidation Processes for the Removal of Food Dyes in Wastewater. <i>Current Organic Chemistry</i> , <b>2017</b> , 21, 1068-1073	1.7	13
54	Degradation of anionic azo dyes in aqueous solution using a continuous flow photocatalytic packed-bed reactor: Influence of water matrix and toxicity evaluation. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104549	6.8	13
53	Degradation of Acid Orange 7 Azo Dye in Aqueous Solution by a Catalytic-Assisted, Non-Thermal Plasma Process. <i>Catalysts</i> , <b>2020</b> , 10, 888	4	13
52	F-doped ZnO nano- and meso-crystals with enhanced photocatalytic activity in diclofenac degradation. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 143066	10.2	13
51	Intensification of ceftriaxone degradation under UV and solar light irradiation in presence of phosphors based structured catalyst. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2019</b> , 137, 12-21	3.7	12
50	Selective Oxidation of Cyclohexane to Benzene on Molybdena-Titania Catalysts in Fluidized Bed Photocatalytic Reactor. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 453-456	1.8	12
49	Photocatalytic Removal of Methyl Orange Azo Dye with Simultaneous Hydrogen Production Using Ru-modified ZnO Photocatalyst. <i>Catalysts</i> , <b>2019</b> , 9, 964	4	12



48	Highly Robust and Selective System for Water Pollutants Removal: How to Transform a Traditional Photocatalyst into a Highly Robust and Selective System for Water Pollutants Removal. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	12
47	Influence of operating parameters on gas phase photocatalytic oxidation of methyl-ethyl-ketone in a light emitting diode (LED)-fluidized bed reactor. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 636-642	2.8	11
46	Oxidative Decomposition of H <sub>2</sub> S over Alumina-Based Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 9072-9078	3.9	11
45	Room Temperature Synthesis of V-Doped TiO <sub>2</sub> and Its Photocatalytic Activity in the Removal of Caffeine under UV Irradiation. <i>Materials</i> , <b>2019</b> , 12,	3.5	10
44	Enhanced azo dye removal in aqueous solution by H <sub>2</sub> O <sub>2</sub> assisted non-thermal plasma technology. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100969	7	10
43	Investigation of the Deactivation Phenomena Occurring in the Cyclohexane Photocatalytic Oxidative Dehydrogenation on MoO <sub>x</sub> /TiO <sub>2</sub> through Gas Phase and in situ DRIFTS Analyses. <i>Catalysts</i> , <b>2013</b> , 3, 978-997	4	10
42	Visible light driven mineralization of spiramycin over photostructured N-doped TiO on up conversion phosphors. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 54, 268-276	6.4	9
41	Evaluation of N719 amount in TiO <sub>2</sub> films for DSSC by thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 111, 453-458	4.1	9
40	Visible light driven oxidation of arsenite to arsenate in aqueous solution using Cu-doped ZnO supported on polystyrene pellets. <i>Catalysis Today</i> , <b>2021</b> , 361, 69-76	5.3	9
39	Intensification of a flat-plate photocatalytic reactor performances by innovative visible light modulation techniques: A proof of concept. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2017</b> , 118, 117-123	3.7	8
38	Developments and New Frontiers In Gas-Solid Photocatalytic Partial Oxidation of Hydrocarbons. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 2420-2426	1.7	7
37	Structural and Electrical Characterization of Sputter-Deposited Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2</sub> Thin Buffer Layers at the Y-Stabilized Zirconia Electrolyte Interface for IT-Solid Oxide Cells. <i>Catalysts</i> , <b>2018</b> , 8, 571	4	7
36	W-Doped ZnO Photocatalyst for the Degradation of Glyphosate in Aqueous Solution. <i>Catalysts</i> , <b>2021</b> , 11, 234	4	6
35	Photocatalytic properties of TiO <sub>2</sub> -functionalized tiles: influence of ceramic substrate. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 7995-8007	2.8	5
34	Photocatalytic propylene epoxidation on Bi <sub>2</sub> WO <sub>6</sub> -based photocatalysts. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 4199-4212	2.8	5
33	Use of Visible Light Modulation Techniques in Urea Photocatalytic Degradation. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1642	3	5
32	Heterogeneous Photo-Fenton Oxidation of Organic Pollutants on Structured Catalysts. <i>Journal of Advanced Oxidation Technologies</i> , <b>2012</b> , 15,		5
31	New Photoactive Materials Based on Zirconium Dioxide Doped with Rare Earth Metal Ions. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5906-5908	0.1	4

30	Honeycomb Structured Catalysts for H <sub>2</sub> Production via H <sub>2</sub> S Oxidative Decomposition. <i>Catalysts</i> , <b>2018</b> , 8, 488	4	4
29	Oxidative Dehydrogenation of Ethanol over Au/TiO <sub>2</sub> Photocatalysts. <i>Journal of Advanced Oxidation Technologies</i> , <b>2012</b> , 15,		3
28	Visible Light-Driven Photocatalytic Activity and Kinetics of Fe-Doped TiO Prepared by a Three-Block Copolymer Templating Approach. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
27	Phosphors-Based Photocatalysts for Wastewater Treatment. <i>Environmental Chemistry for A Sustainable World</i> , <b>2020</b> , 119-138	0.8	3
26	The use of nanocatalysts (and nanoparticles) for water and wastewater treatment by means of advanced oxidation processes <b>2020</b> , 241-264		2
25	Catalytic oxidative decomposition of H <sub>2</sub> S over MoS <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> . <i>Fuel</i> , <b>2020</b> , 279, 118538	7.1	2
24	Visible Light Heterogeneous Nanophotocatalysts (From Catalyst Formulation to Air, Water, and Surface Cleaning Application) <b>2017</b> , 873-890		2
23	Non-Thermal Plasma-Assisted Catalytic Reactions for Environmental Protection. <i>Catalysts</i> , <b>2021</b> , 11, 5094		2
22	Photocatalytic Degradation of Thiacloprid Using Tri-Doped TiO <sub>2</sub> Photocatalysts: A Preliminary Comparative Study. <i>Catalysts</i> , <b>2021</b> , 11, 927	4	2
21	Catalytic Non-Thermal Plasma Process for the Degradation of Organic Pollutants in Aqueous Solution. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 107841	6.8	2
20	Modeling of an Autothermal Reactor for the Catalytic Oxidative Decomposition of H <sub>2</sub> S to H <sub>2</sub> and Sulfur. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 10264-10270	3.9	1
19	Functionalization of Ceramic Tiles with N-doped TiO <sub>2</sub> and Their Photocatalytic Function Under UV or Visible Light Irradiation. <i>Journal of Advanced Oxidation Technologies</i> , <b>2014</b> , 17,		1
18	Photo-fenton Oxidation of t-Butyl methyl ether in Presence of LaFeO <sub>3</sub> Supported on Monolithic Structure. <i>Journal of Advanced Oxidation Technologies</i> , <b>2014</b> , 17,		1
17	Photocatalytic activity of Eu-doped ZnO prepared by supercritical antisolvent precipitation route: When defects become virtues. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 112, 49-58	9.1	1
16	Catalytic Composite Systems Based on N-Doped TiO <sub>2</sub> /Polymeric Materials for Visible-Light-Driven Pollutant Degradation: A Mini Review. <i>Photochem</i> , <b>2021</b> , 1, 330-344		1
15	Nanoporous polymeric aerogelsBased structured photocatalysts for the removal of organic pollutant from water under visible or solar light <b>2020</b> , 99-120		1
14	Heterogeneous photocatalysis <b>2020</b> , 285-301		1
13	Membrane technology for photoelectrochemical hydrogen production <b>2020</b> , 291-306		1



12	Supercritical Carbon Dioxide-Based Processes in Photocatalytic Applications. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
11	Selective Catalytic Oxidation of Lean-H <sub>2</sub> S Gas Stream to Elemental Sulfur at Lower Temperature. <i>Catalysts</i> , <b>2021</b> , 11, 746	4	1
10	Catalytic system based on recyclable Fe <sub>0</sub> and ZnS semiconductor for UV-promoted degradation of chlorinated organic compounds. <i>Separation and Purification Technology</i> , <b>2021</b> , 270, 118830	8.3	1
9	Synthesis and characterisation of novel catalyst Ag-TiO <sub>2</sub> loaded on magnetic Algerian halloysite clay (Fe <sub>3</sub> O <sub>4</sub> -HKDD3) for the photocatalytic activity of methylene blue dye in an aqueous medium. <i>International Journal of Environmental Analytical Chemistry</i> , 1-18	1.8	1
8	Progress in Nanomaterials Applications for Water Purification <b>2017</b> , 1-24		0
7	UV Light Driven Selective Oxidation of Cyclohexane in Gaseous Phase Using Mo-Functionalized Zeolites. <i>Surfaces</i> , <b>2019</b> , 2, 546-559	2.9	0
6	Visible Light Driven Degradation of Terephthalic Acid: Optimization of Energy Demand by Light Modulation Techniques. <i>Journal of Photocatalysis</i> , <b>2021</b> , 2, 49-61	0.8	0
5	TiO <sub>2</sub> photocatalysis for environmental purposes <b>2021</b> , 583-608		0
4	LaFeO <sub>3</sub> Modified with Ni for Hydrogen Evolution via Photocatalytic Glucose Reforming in Liquid Phase. <i>Catalysts</i> , <b>2021</b> , 11, 1558	4	0
3	Advances and Innovations in Photocatalysis. <i>Environmental Chemistry for A Sustainable World</i> , <b>2019</b> , 155-183	1.3	0
2	Photocatalytic Removal of NO on Sulphated TiO <sub>2</sub> in a Photocatalytic Fluidized Bed Reactor. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5886-5888	0.1	
1	H <sub>2</sub> S Oxidative Decomposition Reaction in the Presence of CH <sub>4</sub> over Metal-Sulfide-Based Catalysts: A Preliminary Investigation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 13802-13811	3.9	