

# Vincenzo Vaiano

## 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.

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	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
136	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
135	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
134	Non-Thermal Plasma-Assisted Catalytic Reactions for Environmental Protection. <i>Catalysts</i> , <b>2021</b> , 11, 5094		2
133	Supercritical Carbon Dioxide-Based Processes in Photocatalytic Applications. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
132	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
131	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
130	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
129	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
128	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
127	W-Doped ZnO Photocatalyst for the Degradation of Glyphosate in Aqueous Solution. <i>Catalysts</i> , <b>2021</b> , 11, 234	4	6
126	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
125	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
124	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	
123	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
122	TiO <sub>2</sub> photocatalysis for environmental purposes <b>2021</b> , 583-608		0
121	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

120	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
119	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
118	The use of nanocatalysts (and nanoparticles) for water and wastewater treatment by means of advanced oxidation processes <b>2020</b> , 241-264		2
117	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
116	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
115	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
114	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
113	Photocatalytic hydrogen evolution by co-catalyst-free TiO <sub>2</sub> /C bulk heterostructures synthesized under mild conditions.. <i>RSC Advances</i> , <b>2020</b> , 10, 12519-12534	3.7	14
112	Nanoporous polymeric aerogels based structured photocatalysts for the removal of organic pollutant from water under visible or solar light <b>2020</b> , 99-120		1
111	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
110	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
109	Heterogeneous photocatalysis <b>2020</b> , 285-301		1
108	Membrane technology for photoelectrochemical hydrogen production <b>2020</b> , 291-306		1
107	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
106	Non-Thermal Plasma Coupled with Catalyst for the Degradation of Water Pollutants: A Review. <i>Catalysts</i> , <b>2020</b> , 10, 1438	4	18
105	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
104	Phosphors-Based Photocatalysts for Wastewater Treatment. <i>Environmental Chemistry for A Sustainable World</i> , <b>2020</b> , 119-138	0.8	3
103	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

102	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
101	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
100	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
99	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
98	Advances and Innovations in Photocatalysis. <i>Environmental Chemistry for A Sustainable World</i> , <b>2019</b> , 155-183		
97	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
96	Use of Visible Light Modulation Techniques in Urea Photocatalytic Degradation. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1642	3	5
95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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

84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	Visible light driven mineralization of spiramycin over photostructured N-doped TiO <sub>2</sub> on up conversion phosphors. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 54, 268-276	6.4	9
68	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
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	14.7	18

66	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
65	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
64	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
63	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
62	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
61	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
60	Visible Light Heterogeneous Nanophotocatalysts (From Catalyst Formulation to Air, Water, and Surface Cleaning Application) <b>2017</b> , 873-890		2
59	Optimized microwave susceptible catalytic diesel soot trap. <i>Fuel</i> , <b>2017</b> , 205, 142-152	7.1	20
58	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
57	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
56	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
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	Progress in Nanomaterials Applications for Water Purification <b>2017</b> , 1-24		0
53	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	
52	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
51	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
50	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
49	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



48	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
47	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
46	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
45	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
44	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
43	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
42	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
41	Photocatalytic reduction of CO <sub>2</sub> over platinized 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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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

30	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
29	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
28	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
27	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
26	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
25	Innovative structured VOx/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
24	Enhanced performances of grafted VOx 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
23	Cyclohexane photocatalytic oxidation on Pt/TiO <sub>2</sub> catalysts. <i>Catalysis Today</i> , <b>2013</b> , 209, 164-169	5.3	54
22	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
21	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
20	Investigation of the Deactivation Phenomena Occurring in the Cyclohexane Photocatalytic Oxidative Dehydrogenation on MoOx/TiO <sub>2</sub> through Gas Phase and in situ DRIFTS Analyses. <i>Catalysts</i> , <b>2013</b> , 3, 978-997	4	10
19	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
18	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
17	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
16	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
15	Oxidative Dehydrogenation of Ethanol over Au/TiO <sub>2</sub> Photocatalysts. <i>Journal of Advanced Oxidation Technologies</i> , <b>2012</b> , 15,		3
14	Heterogeneous Photo-Fenton Oxidation of Organic Pollutants on Structured Catalysts. <i>Journal of Advanced Oxidation Technologies</i> , <b>2012</b> , 15,		5
13	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



12	Structured catalysts for photo-Fenton oxidation of acetic acid. <i>Catalysis Today</i> , <b>2011</b> , 161, 255-259	5.3	50
11	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
10	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
9	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
8	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
7	A step forwards in ethanol selective photo-oxidation. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 699-704	4.2	26
6	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
5	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
4	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
3	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
2	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
1	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