

Tiziano Montini

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2162580/tiziano-montini-publications-by-citations.pdf>

Version: 2024-04-27

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.

130
papers

9,874
citations

51
h-index

97
g-index

134
ext. papers

10,988
ext. citations

9.5
avg, IF

6.23
L-index

#	Paper	IF	Citations
130	Fundamentals and Catalytic Applications of CeO ₂ -Based Materials. <i>Chemical Reviews</i> , 2016 , 116, 5987-6041	64.1	1367
129	Electron localization determines defect formation on ceria substrates. <i>Science</i> , 2005 , 309, 752-5	33.3	1057
128	Exceptional activity for methane combustion over modular Pd@CeO ₂ subunits on functionalized Al ₂ O ₃ . <i>Science</i> , 2012 , 337, 713-7	33.3	665
127	Surface phases and photocatalytic activity correlation of Bi ₂ O ₃ /Bi ₂ O _{4-x} nanocomposite. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9658-9	16.4	298
126	Embedded phases: a way to active and stable catalysts. <i>ChemSusChem</i> , 2010 , 3, 24-42	8.3	219
125	CuO(x)-TiO ₂ photocatalysts for H ₂ production from ethanol and glycerol solutions. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 3916-25	2.8	218
124	The potential of supported Cu ₂ O and CuO nanosystems in photocatalytic H ₂ production. <i>ChemSusChem</i> , 2009 , 2, 230-3	8.3	208
123	Synthesis of dispersible Pd@CeO(2) core-shell nanostructures by self-assembly. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1402-9	16.4	191
122	TiO ₂ nanopowders doped with boron and nitrogen for photocatalytic applications. <i>Chemical Physics</i> , 2007 , 339, 111-123	2.3	179
121	Synthesis and photocatalytic application of visible-light active #Fe 2 O 3 /g-C 3 N 4 hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2016 , 187, 171-180	21.8	157
120	F-Doped Co ₃ O ₄ photocatalysts for sustainable H ₂ generation from water/ethanol. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19362-5	16.4	149
119	Synthesis, characterization and photocatalytic performance of transition metal tungstates. <i>Chemical Physics Letters</i> , 2010 , 498, 113-119	2.5	149
118	Photocatalytic activity of TiO ₂ doped with boron and vanadium. <i>Journal of Hazardous Materials</i> , 2007 , 146, 529-34	12.8	148
117	Nanostructured Cu/TiO ₂ Photocatalysts for H ₂ Production from Ethanol and Glycerol Aqueous Solutions.. <i>ChemCatChem</i> , 2011 , 3, 574-577	5.2	142
116	Visible-light-driven coproduction of diesel precursors and hydrogen from lignocellulose-derived methylfurans. <i>Nature Energy</i> , 2019 , 4, 575-584	62.3	130
115	Enhanced Hydrogen Production by Photoreforming of Renewable Oxygenates Through Nanostructured Fe ₂ O ₃ Polymorphs. <i>Advanced Functional Materials</i> , 2014 , 24, 372-378	15.6	125
114	Photocatalytic H ₂ and Added-Value By-Products □The Role of Metal Oxide Systems in Their Synthesis from Oxygenates. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4309-4323	2.3	114

113	La _{0.6} Sr _{0.4} Co _{1-x} Fe _x O _{3-δ} Perovskites: Influence of the Co/Fe Atomic Ratio on Properties and Catalytic Activity toward Alcohol Steam-Reforming. <i>Chemistry of Materials</i> , 2008 , 20, 2314-2327	9.6	100
112	Bimetallic AuPt/TiO ₂ photocatalysts active under UV-A and simulated sunlight for H ₂ production from ethanol. <i>Green Chemistry</i> , 2012 , 14, 330-333	10	97
111	H ₂ production by renewables photoreforming on Pt-Au/TiO ₂ catalysts activated by reduction. <i>ChemSusChem</i> , 2012 , 5, 1800-11	8.3	93
110	Oxidation enthalpies for reduction of ceria surfaces. <i>Surface Science</i> , 2007 , 601, 2512-2519	1.8	93
109	Vertically oriented CuO/ZnO nanorod arrays: from plasma-assisted synthesis to photocatalytic H ₂ production. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11739		90
108	Identification of the structural phases of Ce(x)Zr(1-x)O ₂ by Eu(III) luminescence studies. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13155-60	16.4	89
107	Synthesis, characterization and photocatalytic activity of NiO/Bi ₂ O ₃ nanocomposites. <i>Chemical Physics Letters</i> , 2009 , 472, 212-216	2.5	88
106	Metal-free dual-phase full organic carbon nanotubes/g-C ₃ N ₄ heteroarchitectures for photocatalytic hydrogen production. <i>Nano Energy</i> , 2018 , 50, 468-478	17.1	87
105	A Versatile Approach to the Synthesis of Functionalized Thiol-Protected Palladium Nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 3961-3969	9.6	86
104	Engineering titania nanostructure to tune and improve its photocatalytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3966-71	11.5	86
103	Active and Stable Embedded ₂ Catalysts for Preferential Oxidation of CO. <i>Chemistry of Materials</i> , 2010 , 22, 4335-4345	9.6	85
102	Photocatalytic activity of zinc modified Bi ₂ O ₃ . <i>Chemical Physics Letters</i> , 2009 , 483, 254-261	2.5	85
101	Methane partial oxidation on NiCu-based catalysts. <i>Catalysis Today</i> , 2009 , 145, 176-185	5.3	84
100	Photocatalytic decolourization of dyes on NiO-ZnO nano-composites. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 677-82	4.2	80
99	Rh(1%)/Ce _x Zr _{1-x} O ₂ /Al ₂ O ₃ nanocomposites: Active and stable catalysts for ethanol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2007 , 71, 125-134	21.8	79
98	Methane Catalytic Combustion over Hierarchical Pd@CeO ₂ /Si-Al ₂ O ₃ : Effect of the Presence of Water. <i>ChemCatChem</i> , 2015 , 7, 2038-2046	5.2	77
97	Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene. <i>Advanced Materials</i> , 2019 , 31, e1900323	24	76
96	Novel embedded Pd@CeO(2) catalysts: a way to active and stable catalysts. <i>Dalton Transactions</i> , 2010 , 39, 2122-7	4.3	72

95	Smart Pd Catalyst with Improved Thermal Stability Supported on High-Surface-Area LaFeO Prepared by Atomic Layer Deposition. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4841-4848	16.4	71
94	Catalytic Oxidation of Methane: Pd and Beyond. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2884-2893	2.3	70
93	Preparation, Characterization, and Electrochemical Properties of Pure and Composite LaNi _{0.6} Fe _{0.4} O ₃ -Based Cathodes for IT-SOFC. <i>Chemistry of Materials</i> , 2007 , 19, 5926-5936	9.6	70
92	H ₂ production by selective photo-dehydrogenation of ethanol in gas and liquid phase on CuOx/TiO ₂ nanocomposites. <i>RSC Advances</i> , 2013 , 3, 21776	3.7	66
91	The effect of sulfur dioxide on the activity of hierarchical Pd-based catalysts in methane combustion. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 72-83	21.8	60
90	Study of the Water-Gas-Shift Reaction on /Al ₂ O ₃ Core-Shell Catalysts. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 915-919	3.8	60
89	Variations in the Extent of Pyrochlore-Type Cation Ordering in Ce ₂ Zr ₂ O ₈ : A Pathway to Low-Temperature Reduction. <i>Chemistry of Materials</i> , 2005 , 17, 1157-1166	9.6	60
88	Dye-Sensitized Solar Hydrogen Production: The Emerging Role of Metal-Free Organic Sensitizers. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 5194-5215	3.2	59
87	Phase Transitions and CO ₂ Adsorption Properties of Polymeric Magnesium Formate. <i>Crystal Growth and Design</i> , 2008 , 8, 3302-3308	3.5	59
86	Hydrogen production through alcohol steam reforming on Cu/ZnO-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2011 , 101, 397-408	21.8	58
85	Hydrogen production from ethanol steam reforming on M/CeO ₂ /YSZ (M=Ru, Pd, Ag) nanocomposites. <i>Catalysis Today</i> , 2012 , 180, 96-104	5.3	57
84	Effects of thermal pretreatment on the redox behaviour of Ce _{0.5} Zr _{0.5} O ₂ : isotopic and spectroscopic studies. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 149-159	3.6	53
83	Brookite: Nothing New under the Sun?. <i>Catalysts</i> , 2017 , 7, 304	4	52
82	Monolayer Protected Gold Nanoparticles on Ceria for an Efficient CO Oxidation Catalyst. <i>Chemistry of Materials</i> , 2007 , 19, 650-651	9.6	52
81	Influence of synthesis route on morphology and electrical properties of LaNi _{0.6} Fe _{0.4} O ₃ . <i>Solid State Ionics</i> , 2006 , 177, 2957-2965	3.3	52
80	Palladium Carbene Complexes for Selective Alkene Di- and Oligomerization. <i>Organometallics</i> , 2012 , 31, 976-986	3.8	51
79	Promotion of reduction in Ce _{0.5} Zr _{0.5} O ₂ : the pyrochlore structure as effect rather than cause?. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1-3	3.6	51
78	Functionalization of Multiwalled Carbon Nanotubes with Cyclic Nitrones for Materials and Composites: Addressing the Role of CNT Sidewall Defects. <i>Chemistry of Materials</i> , 2011 , 23, 1923-1938	9.6	48

77	Hot Electron Collection on Brookite Nanorods Lateral Facets for Plasmon-Enhanced Water Oxidation. <i>ACS Catalysis</i> , 2017 , 7, 1270-1278	13.1	46
76	Relationship between Electrical Behavior and Structural Characteristics in Sr-Doped LaNi _{0.6} Fe _{0.4} O ₃ Mixed Oxides. <i>Chemistry of Materials</i> , 2009 , 21, 1768-1774	9.6	46
75	Renewable H ₂ from glycerol steam reforming: effect of La ₂ O ₃ and CeO ₂ addition to Pt/Al ₂ O ₃ catalysts. <i>ChemSusChem</i> , 2010 , 3, 619-28	8.3	46
74	Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. <i>Chemical Communications</i> , 2016 , 52, 6977-80	5.8	46
73	FeMo-based catalysts for H ₂ production by NH ₃ decomposition. <i>Applied Catalysis B: Environmental</i> , 2012 , 125, 409-417	21.8	44
72	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Effect of a New Nonsymmetric Diimine. <i>ChemCatChem</i> , 2013 , 5, 1170-1183	5.2	43
71	Embedded Rh(1 wt.%)@Al ₂ O ₃ : Effects of high temperature and prolonged aging under methane partial oxidation conditions. <i>Applied Catalysis B: Environmental</i> , 2007 , 73, 84-97	21.8	43
70	Tuning Thiophene-Based Phenothiazines for Stable Photocatalytic Hydrogen Production. <i>ChemSusChem</i> , 2015 , 8, 4216-28	8.3	42
69	Embedded Ru@ZrO ₂ Catalysts for H ₂ Production by Ammonia Decomposition. <i>ChemCatChem</i> , 2010 , 2, 1096-1106	5.2	42
68	TiO ₂ /mesoporous silica nanocomposites: cooperative effect in the photocatalytic degradation of dyes and drugs. <i>RSC Advances</i> , 2014 , 4, 37826-37837	3.7	41
67	Solar and visible light photocatalytic enhancement of halloysite nanotubes/g-C ₃ N ₄ heteroarchitectures. <i>RSC Advances</i> , 2016 , 6, 86617-86626	3.7	40
66	Highly efficient hydrogen production through ethanol photoreforming by a carbon nanocone/Pd@TiO ₂ hybrid catalyst. <i>Chemical Communications</i> , 2016 , 52, 764-7	5.8	39
65	Synergistic role of B and F dopants in promoting the photocatalytic activity of rutile TiO ₂ . <i>ChemPhysChem</i> , 2011 , 12, 2221-4	3.2	39
64	Dye-Sensitized Photocatalytic Hydrogen Generation: Efficiency Enhancement by Organic Photosensitizer Adsorbent Intermolecular Interaction. <i>ACS Energy Letters</i> , 2018 , 3, 85-91	20.1	39
63	Solar H ₂ generation via ethanol photoreforming on Fe ₂ O ₃ nanorod arrays activated by Ag and Au nanoparticles. <i>RSC Advances</i> , 2014 , 4, 32174	3.7	38
62	Supported F-doped alpha-Fe ₂ O ₃ nanomaterials: synthesis, characterization and photo-assisted H ₂ production. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 4962-8	1.3	38
61	Pd@TiO ₂ /carbon nanohorn electrocatalysts: reversible CO ₂ hydrogenation to formic acid. <i>Energy and Environmental Science</i> , 2018 , 11, 1571-1580	35.4	37
60	Palladium nanoparticles exposure: Evaluation of permeation through damaged and intact human skin. <i>Environmental Pollution</i> , 2016 , 214, 497-503	9.3	37

59	Photocatalytic valorization of ethanol and glycerol over TiO ₂ polymorphs for sustainable hydrogen production. <i>Applied Catalysis A: General</i> , 2016 , 518, 167-175	5.1	36
58	Photocatalytic H ₂ production by ethanol photodehydrogenation: Effect of anatase/brookite nanocomposites composition. <i>Inorganica Chimica Acta</i> , 2015 , 431, 197-205	2.7	35
57	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO ₂ for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2013 , 130-131, 121-131	21.8	35
56	Pd-Dissolution through a mild and effective one-step reaction and its application for Pd-recovery from spent catalytic converters. <i>Chemical Communications</i> , 2005 , 1040-2	5.8	35
55	Nanostructured PdPt nanoparticles: evidences of structure/performance relations in catalytic H ₂ production reactions. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 88-98	21.8	33
54	Epitaxial and Strong Support Interactions between Pt and LaFeO Films Stabilize Pt Dispersion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10373-10382	16.4	31
53	Making H ₂ from light and biomass-derived alcohols: the outstanding activity of newly designed hierarchical MWCNT/Pd@TiO ₂ hybrid catalysts. <i>Green Chemistry</i> , 2017 , 19, 2379-2389	10	31
52	A high-frequency (95GHz) electron paramagnetic resonance study of B-doped TiO ₂ photocatalysts. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3980-3987	2.7	30
51	Cross-Linked Carbon Nanotube Adsorbents for Water Treatment: Tuning the Sorption Capacity through Chemical Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12920-12930	9.5	29
50	Improved activity and stability of Pd@CeO ₂ core-shell catalysts hybridized with multi-walled carbon nanotubes in the water gas shift reaction. <i>Catalysis Today</i> , 2015 , 253, 142-148	5.3	28
49	Development of functionalized FeAlCr alloy fibers as innovative catalytic oxidation devices. <i>Catalysis Today</i> , 2008 , 137, 475-482	5.3	27
48	Towards Sustainable H ₂ Production: Rational Design of Hydrophobic Triphenylamine-based Dyes for Sensitized Ethanol Photoreforming. <i>ChemSusChem</i> , 2018 , 11, 793-805	8.3	27
47	Antibonding plasmon modes in colloidal gold nanorod clusters. <i>Langmuir</i> , 2012 , 28, 8826-33	4	26
46	Interaction of molecular hydrogen with three-way catalyst model of Pt/Ce _{0.6} Zr _{0.4} O ₂ /Al ₂ O ₃ type. <i>Journal of Molecular Catalysis A</i> , 2003 , 204-205, 683-691		26
45	H ₂ production by photocatalytic reforming of oxygenated compounds using TiO ₂ -based materials. <i>Materials Science in Semiconductor Processing</i> , 2016 , 42, 122-130	4.3	25
44	A New Porous Hybrid Material Derived From Silica Fume and Alginate for Sustainable Pollutants Reduction. <i>Frontiers in Chemistry</i> , 2018 , 6, 60	5	24
43	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 356-365	21.8	23
42	Structural investigation of Ce ₂ Zr ₂ O ₈ after redox treatments which lead to low temperature reduction. <i>Topics in Catalysis</i> , 2006 , 41, 35-42	2.3	23

41	Phosphorus poisoning during wet oxidation of methane over Pd@CeO ₂ /graphite model catalysts. <i>Applied Catalysis B: Environmental</i> , 2016 , 197, 271-279	21.8	22
40	Photocatalytic Hydrogen Production by Boron Modified TiO ₂ /Carbon Nitride Heterojunctions. <i>ChemCatChem</i> , 2019 , 11, 6408-6416	5.2	21
39	Analogies and Differences in Palladium-Catalyzed CO/Styrene and Ethylene/Methyl Acrylate Copolymerization Reactions. <i>ChemCatChem</i> , 2014 , 6, 2403-2418	5.2	21
38	Design of Rh@Ce _{0.2} Zr _{0.8} O ₂ /Al ₂ O ₃ nanocomposite for ethanol steam reforming. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 516-520	5.7	21
37	Palladium-Catalyzed Ethylene/Methyl Acrylate Co-Oligomerization: The Effect of a New Nonsymmetrical β -Diimine with the 1,4-Diazabutadiene Skeleton. <i>ChemCatChem</i> , 2017 , 9, 3402-3411	5.2	20
36	Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 694-698	5.8	20
35	From trash to resource: recovered-Pd from spent three-way catalysts as a precursor of an effective photo-catalyst for H ₂ production. <i>Green Chemistry</i> , 2016 , 18, 2745-2752	10	20
34	The water gas shift reaction over Pt@CeO ₂ nanoparticles confined within mesoporous SBA-16. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20024-20034	13	20
33	Permeation of platinum and rhodium nanoparticles through intact and damaged human skin. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	19
32	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Moving from the Acenaphthene to the Phenanthrene Skeleton of β -Diimine Ligands. <i>Organometallics</i> , 2019 , 38, 3498-3511	3.8	18
31	Cerium Oxide Nanoparticles Absorption through Intact and Damaged Human Skin. <i>Molecules</i> , 2019 , 24,	4.8	18
30	The first material made for air pollution control able to sequester fine and ultrafine air particulate matter. <i>Sustainable Cities and Society</i> , 2020 , 53, 101961	10.1	18
29	The contradictory effect of the methoxy-substituent in palladium-catalyzed ethylene/methyl acrylate copolymerization. <i>Dalton Transactions</i> , 2018 , 47, 2778-2790	4.3	17
28	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , 2018 , 6, 5345		17
27	Hydrogen interaction with Pd/Ce _{0.8} Zr _{0.2} O ₂ nanocomposites prepared by microemulsion, coprecipitation and supercritical CO ₂ treatment. <i>Applied Catalysis A: General</i> , 2011 , 398, 123-133	5.1	16
26	High surface area N/O co-doped carbon materials: Selective electrocatalysts for O ₂ reduction to H ₂ O ₂ . <i>Catalysis Today</i> , 2020 , 356, 132-140	5.3	15
25	Olefin Dimerization and Isomerization Catalyzed by Pyridylidene Amide Palladium Complexes. <i>Organometallics</i> , 2018 , 37, 3619-3630	3.8	15
24	Redox and Chemisorptive Properties of Ex-Chloride and Ex-Nitrate Rh/Ce _{0.6} Zr _{0.4} O ₂ Catalysts. <i>Journal of Catalysis</i> , 2000 , 189, 339-348	7.3	14

23	An increase in hydrogen production from light and ethanol using a dual scale porosity photocatalyst. <i>Green Chemistry</i> , 2018 , 20, 2299-2307	10	13
22	Nanostructured carbon supported Pd-ceria as anode catalysts for anion exchange membrane fuel cells fed with polyalcohols. <i>Inorganica Chimica Acta</i> , 2018 , 470, 213-220	2.7	13
21	Effect of the Catalyst Load on Syngas Production in Short Contact Time Catalytic Partial Oxidation Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 1010-1017	3.9	13
20	NixCuy/Al ₂ O ₃ based catalysts for hydrogen production. <i>Energy and Environmental Science</i> , 2008 ,	35.4	13
19	Multi-Functional Copper Oxide Nanosystems for H ₂ Sustainable Production and Sensing. <i>ECS Transactions</i> , 2009 , 25, 1169-1176	1	12
18	Reduction behavior of nanoparticles of Ce _{0.8} Zr _{0.2} O ₂ produced by different approaches. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 3549-3554	6.7	12
17	IR investigation of the interaction of deuterium with Ce _{0.6} Zr _{0.4} O ₂ and Cl-doped Ce _{0.6} Zr _{0.4} O ₂ . <i>Applied Surface Science</i> , 2006 , 252, 8456-8465	6.7	10
16	Tuning the Properties of Benzothiadiazole Dyes for Efficient Visible Light-Driven Photocatalytic H ₂ Production under Different Conditions. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8912-8928	6.1	8
15	Coordination chemistry to palladium(II) of pyridylbenzamidine ligands and the related reactivity with ethylene. <i>Inorganica Chimica Acta</i> , 2015 , 431, 206-218	2.7	7
14	Effect of the thermal pre-treatments on ceria/zirconia redox properties: An Eu ³⁺ luminescence study. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 617-620	5.7	7
13	Hydrogen adsorption kinetics on Pd/Ce _{0.8} Zr _{0.2} O ₂ . <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2385-953.6	3.6	7
12	Water-Mediated ElectroHydrogenation of CO ₂ at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8509-8518	6.1	7
11	Rh-based catalysts for syngas production via SCT-CPO reactors. <i>Catalysis Today</i> , 2010 , 155, 101-107	5.3	6
10	Photocatalytic Production of Hydrogen Over Tailored Cu-Embedded TiO ₂ . <i>Nanoscience and Nanotechnology Letters</i> , 2009 , 1, 128-133	0.8	5
9	Design of dye-sensitized TiO ₂ materials for photocatalytic hydrogen production: light and shadow. <i>JPhys Energy</i> , 2021 , 3, 031001	4.9	5
8	Sustainable photocatalytic synthesis of benzimidazoles. <i>Inorganica Chimica Acta</i> , 2021 , 520, 120289	2.7	4
7	Interfacial two-dimensional oxide enhances photocatalytic activity of graphene/titania via electronic structure modification. <i>Carbon</i> , 2020 , 157, 350-357	10.4	4
6	Fixed beds of Rh/Al ₂ O ₃ -based catalysts for syngas production in methane SCT-CPO reactors. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7776-7784	6.7	3

5	Multibranched Calix[4]arene-Based Sensitizers for Efficient Photocatalytic Hydrogen Production. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 284-288	3.2	2
4	Calix[4]arene-based molecular photosensitizers for sustainable hydrogen production and other solar applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 32, 100534	7.9	2
3	Charge Redistribution at the Embedded Rh γ Alumina Interface. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18069-18074	3.8	1
2	Modulation of N ^N Rbidentate chelating pyridyl-pyridylidene amide ligands offers mechanistic insights into Pd-catalysed ethylene/methyl acrylate copolymerisation. <i>Dalton Transactions</i> , 2021 , 50, 6133-6145	4.3	1
1	Photocatalytic TiO ₂ nanosheets-SiO ₂ coatings on concrete and limestone: An enhancement of de-polluting and self-cleaning properties by nanoparticle design. <i>Construction and Building Materials</i> , 2022 , 338, 127349	6.7	1