

# Tiziano Montini

## 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.

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	Photocatalytic TiO <sub>2</sub> nanosheets-SiO <sub>2</sub> coatings on concrete and limestone: An enhancement of de-polluting and self-cleaning properties by nanoparticle design. <i>Construction and Building Materials</i> , <b>2022</b> , 338, 127349	6.7	1
129	Design of dye-sensitized TiO <sub>2</sub> materials for photocatalytic hydrogen production: light and shadow. <i>JPhys Energy</i> , <b>2021</b> , 3, 031001	4.9	5
128	Sustainable photocatalytic synthesis of benzimidazoles. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 520, 120289	2.7	4
127	Multibranched Calix[4]arene-Based Sensitizers for Efficient Photocatalytic Hydrogen Production. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 284-288	3.2	2
126	Modulation of N <sup>N</sup> Rbidentate chelating pyridyl-pyridylidene amide ligands offers mechanistic insights into Pd-catalysed ethylene/methyl acrylate copolymerisation. <i>Dalton Transactions</i> , <b>2021</b> , 50, 6133-6145	4.3	1
125	Calix[4]arene-based molecular photosensitizers for sustainable hydrogen production and other solar applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 32, 100534	7.9	2
124	Epitaxial and Strong Support Interactions between Pt and LaFeO Films Stabilize Pt Dispersion. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10373-10382	16.4	31
123	The first material made for air pollution control able to sequestrate fine and ultrafine air particulate matter. <i>Sustainable Cities and Society</i> , <b>2020</b> , 53, 101961	10.1	18
122	Tuning the Properties of Benzothiadiazole Dyes for Efficient Visible Light-Driven Photocatalytic H <sub>2</sub> Production under Different Conditions. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 8912-8928	6.1	8
121	Water-Mediated ElectroHydrogenation of CO <sub>2</sub> at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 8509-8518	6.1	7
120	High surface area N/O co-doped carbon materials: Selective electrocatalysts for O <sub>2</sub> reduction to H <sub>2</sub> O <sub>2</sub> . <i>Catalysis Today</i> , <b>2020</b> , 356, 132-140	5.3	15
119	Interfacial two-dimensional oxide enhances photocatalytic activity of graphene/titania via electronic structure modification. <i>Carbon</i> , <b>2020</b> , 157, 350-357	10.4	4
118	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Moving from the Acenaphthene to the Phenanthrene Skeleton of Diimine Ligands. <i>Organometallics</i> , <b>2019</b> , 38, 3498-3511	3.8	18
117	Visible-light-driven coproduction of diesel precursors and hydrogen from lignocellulose-derived methylfurans. <i>Nature Energy</i> , <b>2019</b> , 4, 575-584	62.3	130
116	Cross-Linked Carbon Nanotube Adsorbents for Water Treatment: Tuning the Sorption Capacity through Chemical Functionalization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12920-12930	9.5	29
115	Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900323	24	76
114	Photocatalytic Hydrogen Production by Boron Modified TiO <sub>2</sub> /Carbon Nitride Heterojunctions. <i>ChemCatChem</i> , <b>2019</b> , 11, 6408-6416	5.2	21

113	Cerium Oxide Nanoparticles Absorption through Intact and Damaged Human Skin. <i>Molecules</i> , <b>2019</b> , 24,	4.8	18
112	Catalytic Oxidation of Methane: Pd and Beyond. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2884-2893	2.3	70
111	An increase in hydrogen production from light and ethanol using a dual scale porosity photocatalyst. <i>Green Chemistry</i> , <b>2018</b> , 20, 2299-2307	10	13
110	Pd@TiO <sub>2</sub> /carbon nanohorn electrocatalysts: reversible CO <sub>2</sub> hydrogenation to formic acid. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1571-1580	35.4	37
109	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 227, 356-365	21.8	23
108	The contradictory effect of the methoxy-substituent in palladium-catalyzed ethylene/methyl acrylate co-oligomerization. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2778-2790	4.3	17
107	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> , <b>2018</b> , 140, 4841-4848	16.4	71
106	Nanostructured carbon supported Pd-ceria as anode catalysts for anion exchange membrane fuel cells fed with polyalcohols. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 470, 213-220	2.7	13
105	A New Porous Hybrid Material Derived From Silica Fume and Alginate for Sustainable Pollutants Reduction. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 60	5	24
104	Nanostructured PdPt nanoparticles: evidences of structure/performance relations in catalytic H <sub>2</sub> production reactions. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 236, 88-98	21.8	33
103	Dye-Sensitized Photocatalytic Hydrogen Generation: Efficiency Enhancement by Organic Photosensitizer Adsorbent Intermolecular Interaction. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 85-91	20.1	39
102	Towards Sustainable H Production: Rational Design of Hydrophobic Triphenylamine-based Dyes for Sensitized Ethanol Photoreforming. <i>ChemSusChem</i> , <b>2018</b> , 11, 793-805	8.3	27
101	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 5345		17
100	Olefin Dimerization and Isomerization Catalyzed by Pyridylidene Amide Palladium Complexes. <i>Organometallics</i> , <b>2018</b> , 37, 3619-3630	3.8	15
99	Metal-free dual-phase full organic carbon nanotubes/g-C <sub>3</sub> N <sub>4</sub> heteroarchitectures for photocatalytic hydrogen production. <i>Nano Energy</i> , <b>2018</b> , 50, 468-478	17.1	87
98	Palladium-Catalyzed Ethylene/Methyl Acrylate Co-Oligomerization: The Effect of a New Nonsymmetrical Diimine with the 1,4-Diazabutadiene Skeleton. <i>ChemCatChem</i> , <b>2017</b> , 9, 3402-3411	5.2	20
97	Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 694-698	5.8	20
96	Hot Electron Collection on Brookite Nanorods Lateral Facets for Plasmon-Enhanced Water Oxidation. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1270-1278	13.1	46

95	The water gas shift reaction over Pt/CeO <sub>2</sub> nanoparticles confined within mesoporous SBA-16. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20024-20034	13	20
94	Making H <sub>2</sub> from light and biomass-derived alcohols: the outstanding activity of newly designed hierarchical MWCNT/Pd@TiO <sub>2</sub> hybrid catalysts. <i>Green Chemistry</i> , <b>2017</b> , 19, 2379-2389	10	31
93	The effect of sulfur dioxide on the activity of hierarchical Pd-based catalysts in methane combustion. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 202, 72-83	21.8	60
92	Brookite: Nothing New under the Sun?. <i>Catalysts</i> , <b>2017</b> , 7, 304	4	52
91	Phosphorus poisoning during wet oxidation of methane over Pd@CeO <sub>2</sub> /graphite model catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 197, 271-279	21.8	22
90	H <sub>2</sub> production by photocatalytic reforming of oxygenated compounds using TiO <sub>2</sub> -based materials. <i>Materials Science in Semiconductor Processing</i> , <b>2016</b> , 42, 122-130	4.3	25
89	Dye-Sensitized Solar Hydrogen Production: The Emerging Role of Metal-Free Organic Sensitizers. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 5194-5215	3.2	59
88	From trash to resource: recovered-Pd from spent three-way catalysts as a precursor of an effective photo-catalyst for H <sub>2</sub> production. <i>Green Chemistry</i> , <b>2016</b> , 18, 2745-2752	10	20
87	Synthesis and photocatalytic application of visible-light active Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 187, 171-180	21.8	157
86	Highly efficient hydrogen production through ethanol photoreforming by a carbon nanocone/Pd@TiO <sub>2</sub> hybrid catalyst. <i>Chemical Communications</i> , <b>2016</b> , 52, 764-7	5.8	39
85	Photocatalytic valorization of ethanol and glycerol over TiO <sub>2</sub> polymorphs for sustainable hydrogen production. <i>Applied Catalysis A: General</i> , <b>2016</b> , 518, 167-175	5.1	36
84	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> , <b>2016</b> , 113, 3966-71	11.5	86
83	Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. <i>Chemical Communications</i> , <b>2016</b> , 52, 6977-80	5.8	46
82	Fundamentals and Catalytic Applications of CeO <sub>2</sub> -Based Materials. <i>Chemical Reviews</i> , <b>2016</b> , 116, 5987-6041	6.1	1367
81	Palladium nanoparticles exposure: Evaluation of permeation through damaged and intact human skin. <i>Environmental Pollution</i> , <b>2016</b> , 214, 497-503	9.3	37
80	Solar and visible light photocatalytic enhancement of halloysite nanotubes/g-C <sub>3</sub> N <sub>4</sub> heteroarchitectures. <i>RSC Advances</i> , <b>2016</b> , 6, 86617-86626	3.7	40
79	Coordination chemistry to palladium(II) of pyridylbenzamidine ligands and the related reactivity with ethylene. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 431, 206-218	2.7	7
78	Photocatalytic H <sub>2</sub> production by ethanol photodehydrogenation: Effect of anatase/brookite nanocomposites composition. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 431, 197-205	2.7	35

77	Methane Catalytic Combustion over Hierarchical Pd@CeO <sub>2</sub> /Si-Al <sub>2</sub> O <sub>3</sub> : Effect of the Presence of Water. <i>ChemCatChem</i> , <b>2015</b> , 7, 2038-2046	5.2	77
76	Tuning Thiophene-Based Phenothiazines for Stable Photocatalytic Hydrogen Production. <i>ChemSusChem</i> , <b>2015</b> , 8, 4216-28	8.3	42
75	Improved activity and stability of Pd@CeO <sub>2</sub> core-shell catalysts hybridized with multi-walled carbon nanotubes in the water gas shift reaction. <i>Catalysis Today</i> , <b>2015</b> , 253, 142-148	5.3	28
74	Permeation of platinum and rhodium nanoparticles through intact and damaged human skin. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	19
73	Enhanced Hydrogen Production by Photoreforming of Renewable Oxygenates Through Nanostructured Fe <sub>2</sub> O <sub>3</sub> Polymorphs. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 372-378	15.6	125
72	Analogies and Differences in Palladium-Catalyzed CO/Styrene and Ethylene/Methyl Acrylate Copolymerization Reactions. <i>ChemCatChem</i> , <b>2014</b> , 6, 2403-2418	5.2	21
71	TiO <sub>2</sub> /mesoporous silica nanocomposites: cooperative effect in the photocatalytic degradation of dyes and drugs. <i>RSC Advances</i> , <b>2014</b> , 4, 37826-37837	3.7	41
70	Solar H <sub>2</sub> generation via ethanol photoreforming on Fe <sub>2</sub> O <sub>3</sub> nanorod arrays activated by Ag and Au nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 32174	3.7	38
69	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Effect of a New Nonsymmetric Diimine. <i>ChemCatChem</i> , <b>2013</b> , 5, 1170-1183	5.2	43
68	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO <sub>2</sub> for CO oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 130-131, 121-131	21.8	35
67	H <sub>2</sub> production by selective photo-dehydrogenation of ethanol in gas and liquid phase on CuOx/TiO <sub>2</sub> nanocomposites. <i>RSC Advances</i> , <b>2013</b> , 3, 21776	3.7	66
66	Supported F-doped alpha-Fe <sub>2</sub> O <sub>3</sub> nanomaterials: synthesis, characterization and photo-assisted H <sub>2</sub> production. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 4962-8	1.3	38
65	Exceptional activity for methane combustion over modular Pd@CeO <sub>2</sub> subunits on functionalized Al <sub>2</sub> O <sub>3</sub> . <i>Science</i> , <b>2012</b> , 337, 713-7	33.3	665
64	FeMo-based catalysts for H <sub>2</sub> production by NH <sub>3</sub> decomposition. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 125, 409-417	21.8	44
63	Antibonding plasmon modes in colloidal gold nanorod clusters. <i>Langmuir</i> , <b>2012</b> , 28, 8826-33	4	26
62	Bimetallic AuPt/TiO <sub>2</sub> photocatalysts active under UV-A and simulated sunlight for H <sub>2</sub> production from ethanol. <i>Green Chemistry</i> , <b>2012</b> , 14, 330-333	10	97
61	Palladium Carbene Complexes for Selective Alkene Di- and Oligomerization. <i>Organometallics</i> , <b>2012</b> , 31, 976-986	3.8	51
60	Vertically oriented CuO/ZnO nanorod arrays: from plasma-assisted synthesis to photocatalytic H <sub>2</sub> production. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11739		90

59	H <sub>2</sub> production by renewables photoreforming on Pt-Au/TiO <sub>2</sub> catalysts activated by reduction. <i>ChemSusChem</i> , <b>2012</b> , 5, 1800-11	8.3	93
58	Hydrogen production from ethanol steam reforming on M/CeO <sub>2</sub> /YSZ (M=Ru, Pd, Ag) nanocomposites. <i>Catalysis Today</i> , <b>2012</b> , 180, 96-104	5.3	57
57	F-Doped Co <sub>3</sub> O <sub>4</sub> photocatalysts for sustainable H <sub>2</sub> generation from water/ethanol. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 19362-5	16.4	149
56	Study of the Water-Gas-Shift Reaction on [email protected] <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Core/Shell Catalysts. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 915-919	3.8	60
55	A Versatile Approach to the Synthesis of Functionalized Thiol-Protected Palladium Nanoparticles. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3961-3969	9.6	86
54	Fixed beds of Rh/Al <sub>2</sub> O <sub>3</sub> -based catalysts for syngas production in methane SCT-CPO reactors. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 7776-7784	6.7	3
53	Nanostructured Cu/TiO <sub>2</sub> Photocatalysts for H <sub>2</sub> Production from Ethanol and Glycerol Aqueous Solutions.. <i>ChemCatChem</i> , <b>2011</b> , 3, 574-577	5.2	142
52	Functionalization of Multiwalled Carbon Nanotubes with Cyclic Nitrones for Materials and Composites: Addressing the Role of CNT Sidewall Defects. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1923-1938	9.6	48
51	Photocatalytic H <sub>2</sub> and Added-Value By-Products: The Role of Metal Oxide Systems in Their Synthesis from Oxygenates. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 4309-4323	2.3	114
50	Synergistic role of B and F dopants in promoting the photocatalytic activity of rutile TiO <sub>2</sub> . <i>ChemPhysChem</i> , <b>2011</b> , 12, 2221-4	3.2	39
49	Hydrogen interaction with Pd/Ce <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>2</sub> nanocomposites prepared by microemulsion, coprecipitation and supercritical CO <sub>2</sub> treatment. <i>Applied Catalysis A: General</i> , <b>2011</b> , 398, 123-133	5.1	16
48	Hydrogen production through alcohol steam reforming on Cu/ZnO-based catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 101, 397-408	21.8	58
47	Synthesis of dispersible Pd@CeO(2) core-shell nanostructures by self-assembly. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1402-9	16.4	191
46	Effect of the Catalyst Load on Syngas Production in Short Contact Time Catalytic Partial Oxidation Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 1010-1017	3.9	13
45	Active and Stable Embedded [email protected] <sub>2</sub> Catalysts for Preferential Oxidation of CO. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4335-4345	9.6	85
44	Novel embedded Pd@CeO(2) catalysts: a way to active and stable catalysts. <i>Dalton Transactions</i> , <b>2010</b> , 39, 2122-7	4.3	72
43	CuO(x)-TiO <sub>2</sub> photocatalysts for H <sub>2</sub> production from ethanol and glycerol solutions. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 3916-25	2.8	218
42	Embedded Ru@ZrO <sub>2</sub> Catalysts for H <sub>2</sub> Production by Ammonia Decomposition. <i>ChemCatChem</i> , <b>2010</b> , 2, 1096-1106	5.2	42

41	Synthesis, characterization and photocatalytic performance of transition metal tungstates. <i>Chemical Physics Letters</i> , <b>2010</b> , 498, 113-119	2.5	149
40	Embedded phases: a way to active and stable catalysts. <i>ChemSusChem</i> , <b>2010</b> , 3, 24-42	8.3	219
39	Renewable H <sub>2</sub> from glycerol steam reforming: effect of La <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> addition to Pt/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>ChemSusChem</i> , <b>2010</b> , 3, 619-28	8.3	46
38	Rh-based catalysts for syngas production via SCT-CPO reactors. <i>Catalysis Today</i> , <b>2010</b> , 155, 101-107	5.3	6
37	Photocatalytic Production of Hydrogen Over Tailored Cu-Embedded TiO <sub>2</sub> . <i>Nanoscience and Nanotechnology Letters</i> , <b>2009</b> , 1, 128-133	0.8	5
36	Multi-Functional Copper Oxide Nanosystems for H <sub>2</sub> Sustainable Production and Sensing. <i>ECS Transactions</i> , <b>2009</b> , 25, 1169-1176	1	12
35	The potential of supported Cu <sub>2</sub> O and CuO nanosystems in photocatalytic H <sub>2</sub> production. <i>ChemSusChem</i> , <b>2009</b> , 2, 230-3	8.3	208
34	Methane partial oxidation on NiCu-based catalysts. <i>Catalysis Today</i> , <b>2009</b> , 145, 176-185	5.3	84
33	Synthesis, characterization and photocatalytic activity of NiO/Bi <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Chemical Physics Letters</i> , <b>2009</b> , 472, 212-216	2.5	88
32	Photocatalytic activity of zinc modified Bi <sub>2</sub> O <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2009</b> , 483, 254-261	2.5	85
31	Relationship between Electrical Behavior and Structural Characteristics in Sr-Doped LaNi <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> Mixed Oxides. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1768-1774	9.6	46
30	Charge Redistribution at the Embedded Rh/Alumina Interface. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18069-18074	3.8	1
29	Identification of the structural phases of Ce(x)Zr(1-x)O <sub>2</sub> by Eu(III) luminescence studies. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13155-60	16.4	89
28	Photocatalytic decolorization of dyes on NiO-ZnO nano-composites. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 677-82	4.2	80
27	Effect of the thermal pre-treatments on ceria/zirconia redox properties: An Eu <sup>3+</sup> luminescence study. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 617-620	5.7	7
26	Design of Rh@Ce <sub>0.2</sub> Zr <sub>0.8</sub> O <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanocomposite for ethanol steam reforming. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 516-520	5.7	21
25	La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> Perovskites: Influence of the Co/Fe Atomic Ratio on Properties and Catalytic Activity toward Alcohol Steam-Reforming. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2314-2327	9.6	100
24	Ni <sub>x</sub> Cu <sub>y</sub> /Al <sub>2</sub> O <sub>3</sub> based catalysts for hydrogen production. <i>Energy and Environmental Science</i> , <b>2008</b> ,	35.4	13

23	Phase Transitions and CO <sub>2</sub> Adsorption Properties of Polymeric Magnesium Formate. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3302-3308	3.5	59
22	Development of functionalized FeAlCr alloy fibers as innovative catalytic oxidation devices. <i>Catalysis Today</i> , <b>2008</b> , 137, 475-482	5.3	27
21	A high-frequency (95GHz) electron paramagnetic resonance study of B-doped TiO <sub>2</sub> photocatalysts. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3980-3987	2.7	30
20	Reduction behavior of nanoparticles of Ce <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>2</sub> produced by different approaches. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 3549-3554	6.7	12
19	Surface phases and photocatalytic activity correlation of Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>4-x</sub> nanocomposite. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9658-9	16.4	298
18	Monolayer Protected Gold Nanoparticles on Ceria for an Efficient CO Oxidation Catalyst. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 650-651	9.6	52
17	TiO <sub>2</sub> nanopowders doped with boron and nitrogen for photocatalytic applications. <i>Chemical Physics</i> , <b>2007</b> , 339, 111-123	2.3	179
16	Photocatalytic activity of TiO <sub>2</sub> doped with boron and vanadium. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 146, 529-34	12.8	148
15	Embedded Rh(1 wt.%)@Al <sub>2</sub> O <sub>3</sub> : Effects of high temperature and prolonged aging under methane partial oxidation conditions. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 73, 84-97	21.8	43
14	Rh(1%)@CexZr1-xO2@Al2O3 nanocomposites: Active and stable catalysts for ethanol steam reforming. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 71, 125-134	21.8	79
13	Oxidation enthalpies for reduction of ceria surfaces. <i>Surface Science</i> , <b>2007</b> , 601, 2512-2519	1.8	93
12	Preparation, Characterization, and Electrochemical Properties of Pure and Composite LaNi <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> -Based Cathodes for IT-SOFC. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5926-5936	9.6	70
11	Hydrogen adsorption kinetics on Pd/Ce <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 2385-95	3.6	7
10	IR investigation of the interaction of deuterium with Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> and Cl-doped Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> . <i>Applied Surface Science</i> , <b>2006</b> , 252, 8456-8465	6.7	10
9	Influence of synthesis route on morphology and electrical properties of LaNi <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> . <i>Solid State Ionics</i> , <b>2006</b> , 177, 2957-2965	3.3	52
8	Structural investigation of Ce <sub>2</sub> Zr <sub>2</sub> O <sub>8</sub> after redox treatments which lead to low temperature reduction. <i>Topics in Catalysis</i> , <b>2006</b> , 41, 35-42	2.3	23
7	Pd-Dissolution through a mild and effective one-step reaction and its application for Pd-recovery from spent catalytic converters. <i>Chemical Communications</i> , <b>2005</b> , 1040-2	5.8	35
6	Variations in the Extent of Pyrochlore-Type Cation Ordering in Ce <sub>2</sub> Zr <sub>2</sub> O <sub>8</sub> : A t <sub>1/2</sub> Pathway to Low-Temperature Reduction. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1157-1166	9.6	60

5	Electron localization determines defect formation on ceria substrates. <i>Science</i> , <b>2005</b> , 309, 752-5	33.3	1057
4	Promotion of reduction in Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> : the pyrochlore structure as effect rather than cause?. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 1-3	3.6	51
3	Interaction of molecular hydrogen with three-way catalyst model of Pt/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> type. <i>Journal of Molecular Catalysis A</i> , <b>2003</b> , 204-205, 683-691		26
2	Effects of thermal pretreatment on the redox behaviour of Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> : isotopic and spectroscopic studies. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 149-159	3.6	53
1	Redox and Chemisorptive Properties of Ex-Chloride and Ex-Nitrate Rh/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> Catalysts. <i>Journal of Catalysis</i> , <b>2000</b> , 189, 339-348	7.3	14