

Tiziano Montini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2162580/publications.pdf>

Version: 2024-02-01

131
papers

12,115
citations

31976

53
h-index

25787

108
g-index

134
all docs

134
docs citations

134
times ranked

14855
citing authors

#	ARTICLE	IF	CITATIONS
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.	7.2	13
2	Multibranching Calix[4]arene-Based Sensitizers for Efficient Photocatalytic Hydrogen Production. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 284-288.	2.4	7
3	Modulation of N ² -bidentate chelating pyridyl-pyridylidene amide ligands offers mechanistic insights into Pd-catalysed ethylene/methyl acrylate copolymerisation. <i>Dalton Transactions</i> , 2021, 50, 6133-6145.	3.3	8
4	Design of dye-sensitized TiO ₂ materials for photocatalytic hydrogen production: light and shadow. <i>JPhys Energy</i> , 2021, 3, 031001.	5.3	28
5	Sustainable photocatalytic synthesis of benzimidazoles. <i>Inorganica Chimica Acta</i> , 2021, 520, 120289.	2.4	10
6	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.	5.9	5
7	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.	4.4	26
8	Interfacial two-dimensional oxide enhances photocatalytic activity of graphene/titania via electronic structure modification. <i>Carbon</i> , 2020, 157, 350-357.	10.3	7
9	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.	10.4	23
10	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.	5.1	20
11	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.	5.1	23
12	Epitaxial and Strong Support Interactions between Pt and LaFeO ₃ Films Stabilize Pt Dispersion. <i>Journal of the American Chemical Society</i> , 2020, 142, 10373-10382.	13.7	58
13	Photocatalytic Hydrogen Production by Boron Modified TiO ₂ /Carbon Nitride Heterojunctions. <i>ChemCatChem</i> , 2019, 11, 6408-6416.	3.7	35
14	Cerium Oxide Nanoparticles Absorption through Intact and Damaged Human Skin. <i>Molecules</i> , 2019, 24, 3759.	3.8	32
15	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Moving from the Acenaphthene to the Phenanthrene Skeleton of π -Diimine Ligands. <i>Organometallics</i> , 2019, 38, 3498-3511.	2.3	34
16	Visible-light-driven coproduction of diesel precursors and hydrogen from lignocellulose-derived methylfurans. <i>Nature Energy</i> , 2019, 4, 575-584.	39.5	268
17	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.	8.0	45
18	Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene. <i>Advanced Materials</i> , 2019, 31, e1900323.	21.0	129

#	ARTICLE	IF	CITATIONS
19	Catalytic Oxidation of Methane: Pd and Beyond. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2884-2893.	2.0	105
20	An increase in hydrogen production from light and ethanol using a dual scale porosity photocatalyst. <i>Green Chemistry</i> , 2018, 20, 2299-2307.	9.0	18
21	Pd@TiO ₂ /carbon nanohorn electrocatalysts: reversible CO ₂ hydrogenation to formic acid. <i>Energy and Environmental Science</i> , 2018, 11, 1571-1580.	30.8	47
22	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 356-365.	20.2	29
23	The contradictory effect of the methoxy-substituent in palladium-catalyzed ethylene/methyl acrylate cooligomerization. <i>Dalton Transactions</i> , 2018, 47, 2778-2790.	3.3	19
24	Smart Pd Catalyst with Improved Thermal Stability Supported on High-Surface-Area LaFeO ₃ Prepared by Atomic Layer Deposition. <i>Journal of the American Chemical Society</i> , 2018, 140, 4841-4848.	13.7	85
25	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.	2.4	15
26	Dye-Sensitized Photocatalytic Hydrogen Generation: Efficiency Enhancement by Organic Photosensitizer-Coadsorbent Intermolecular Interaction. <i>ACS Energy Letters</i> , 2018, 3, 85-91.	17.4	48
27	Towards Sustainable H ₂ Production: Rational Design of Hydrophobic Triphenylamine-based Dyes for Sensitized Ethanol Photoreforming. <i>ChemSusChem</i> , 2018, 11, 793-805.	6.8	36
28	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , 2018, 6, 534.	3.6	22
29	Olefin Dimerization and Isomerization Catalyzed by Pyridylidene Amide Palladium Complexes. <i>Organometallics</i> , 2018, 37, 3619-3630.	2.3	18
30	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.	16.0	133
31	A New Porous Hybrid Material Derived From Silica Fume and Alginate for Sustainable Pollutants Reduction. <i>Frontiers in Chemistry</i> , 2018, 6, 60.	3.6	34
32	Nanostructured Pd Pt nanoparticles: evidences of structure/performance relations in catalytic H ₂ production reactions. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 88-98.	20.2	45
33	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.	3.7	24
34	Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. <i>Sustainable Energy and Fuels</i> , 2017, 1, 694-698.	4.9	23
35	Hot Electron Collection on Brookite Nanorods Lateral Facets for Plasmon-Enhanced Water Oxidation. <i>ACS Catalysis</i> , 2017, 7, 1270-1278.	11.2	53
36	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.	10.3	25

#	ARTICLE	IF	CITATIONS
37	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.	9.0	37
38	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.	20.2	80
39	Brookite: Nothing New under the Sun?. <i>Catalysts</i> , 2017, 7, 304.	3.5	71
40	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, 3966-3971.	7.1	106
41	Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. <i>Chemical Communications</i> , 2016, 52, 6977-6980.	4.1	55
42	Fundamentals and Catalytic Applications of CeO ₂ -Based Materials. <i>Chemical Reviews</i> , 2016, 116, 5987-6041.	47.7	1,883
43	Palladium nanoparticles exposure: Evaluation of permeation through damaged and intact human skin. <i>Environmental Pollution</i> , 2016, 214, 497-503.	7.5	41
44	Solar and visible light photocatalytic enhancement of halloysite nanotubes/g-C ₃ N ₄ heteroarchitectures. <i>RSC Advances</i> , 2016, 6, 86617-86626.	3.6	50
45	Dye-Sensitized Solar Hydrogen Production: The Emerging Role of Metal-Free Organic Sensitizers. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5194-5215.	2.4	77
46	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.	9.0	26
47	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.	20.2	194
48	Highly efficient hydrogen production through ethanol photoreforming by a carbon nanocone/Pd@TiO ₂ hybrid catalyst. <i>Chemical Communications</i> , 2016, 52, 764-767.	4.1	45
49	Photocatalytic valorization of ethanol and glycerol over TiO ₂ polymorphs for sustainable hydrogen production. <i>Applied Catalysis A: General</i> , 2016, 518, 167-175.	4.3	45
50	Phosphorus poisoning during wet oxidation of methane over Pd@CeO ₂ /graphite model catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 271-279.	20.2	28
51	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.	4.0	30
52	Tuning Thiophene-Based Phenothiazines for Stable Photocatalytic Hydrogen Production. <i>ChemSusChem</i> , 2015, 8, 4216-4228.	6.8	48
53	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.	4.4	36
54	Permeation of platinum and rhodium nanoparticles through intact and damaged human skin. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	25

#	ARTICLE	IF	CITATIONS
55	Coordination chemistry to palladium(II) of pyridylbenzamidine ligands and the related reactivity with ethylene. <i>Inorganica Chimica Acta</i> , 2015, 431, 206-218.	2.4	9
56	Photocatalytic H ₂ production by ethanol photodehydrogenation: Effect of anatase/brookite nanocomposites composition. <i>Inorganica Chimica Acta</i> , 2015, 431, 197-205.	2.4	41
57	Methane Catalytic Combustion over Hierarchical Pd@CeO ₂ /SiO ₂ : Effect of the Presence of Water. <i>ChemCatChem</i> , 2015, 7, 2038-2046.	3.7	98
58	Enhanced Hydrogen Production by Photoreforming of Renewable Oxygenates Through Nanostructured Fe ₂ O ₃ Polymorphs. <i>Advanced Functional Materials</i> , 2014, 24, 372-378.	14.9	146
59	Analogies and Differences in Palladium-Catalyzed CO/Styrene and Ethylene/Methyl Acrylate Copolymerization Reactions. <i>ChemCatChem</i> , 2014, 6, 2403-2418.	3.7	22
60	TiO ₂ -mesoporous silica nanocomposites: cooperative effect in the photocatalytic degradation of dyes and drugs. <i>RSC Advances</i> , 2014, 4, 37826-37837.	3.6	47
61	Solar H ₂ generation via ethanol photoreforming on μ -Fe ₂ O ₃ nanorod arrays activated by Ag and Au nanoparticles. <i>RSC Advances</i> , 2014, 4, 32174.	3.6	40
62	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Effect of a New Nonsymmetric β -diimine. <i>ChemCatChem</i> , 2013, 5, 1170-1183.	3.7	52
63	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.	20.2	49
64	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.	3.6	70
65	Supported F-Doped γ -Fe ₂ O ₃ /TiO ₂ Nanomaterials: Synthesis, Characterization and Photo-Assisted H ₂ Production. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4962-4968.	0.9	42
66	Exceptional Activity for Methane Combustion over Modular Pd@CeO ₂ Subunits on Functionalized Al ₂ O ₃ . <i>Science</i> , 2012, 337, 713-717.	12.6	842
67	FeMo-based catalysts for H ₂ production by NH ₃ decomposition. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 409-417.	20.2	64
68	Antibonding Plasmon Modes in Colloidal Gold Nanorod Clusters. <i>Langmuir</i> , 2012, 28, 8826-8833.	3.5	27
69	Bimetallic Au-Pt/TiO ₂ photocatalysts active under UV-A and simulated sunlight for H ₂ production from ethanol. <i>Green Chemistry</i> , 2012, 14, 330-333.	9.0	104
70	Palladium Carbene Complexes for Selective Alkene Di- and Oligomerization. <i>Organometallics</i> , 2012, 31, 976-986.	2.3	54
71	Vertically oriented CuO/ZnO nanorod arrays: from plasma-assisted synthesis to photocatalytic H ₂ production. <i>Journal of Materials Chemistry</i> , 2012, 22, 11739.	6.7	108
72	H ₂ Production by Renewables Photoreforming on Pt-Au/TiO ₂ Catalysts Activated by Reduction. <i>ChemSusChem</i> , 2012, 5, 1800-1811.	6.8	102

#	ARTICLE	IF	CITATIONS
73	Hydrogen production from ethanol steam reforming on M/CeO ₂ /YSZ (M=Ru, Pd, Ag) nanocomposites. <i>Catalysis Today</i> , 2012, 180, 96-104.	4.4	66
74	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, 19362-19365.	13.7	171
75	Study of the Water-Gas-Shift Reaction on Pd@CeO ₂ /Al ₂ O ₃ Core-Shell Catalysts. <i>Journal of Physical Chemistry C</i> , 2011, 115, 915-919.	3.1	66
76	A Versatile Approach to the Synthesis of Functionalized Thiol-Protected Palladium Nanoparticles. <i>Chemistry of Materials</i> , 2011, 23, 3961-3969.	6.7	94
77	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.	7.1	3
78	Nanostructured Cu/TiO ₂ Photocatalysts for H ₂ Production from Ethanol and Glycerol Aqueous Solutions.. <i>ChemCatChem</i> , 2011, 3, 574-577.	3.7	158
79	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.	6.7	51
80	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.	2.0	134
81	Synergistic Role of B and F Dopants in Promoting the Photocatalytic Activity of <i>Rutile</i> TiO ₂ . <i>ChemPhysChem</i> , 2011, 12, 2221-2224.	2.1	42
82	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.	4.3	16
83	Hydrogen production through alcohol steam reforming on Cu/ZnO-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 397-408.	20.2	69
84	Embedded Ru@ZrO ₂ Catalysts for H ₂ Production by Ammonia Decomposition. <i>ChemCatChem</i> , 2010, 2, 1096-1106.	3.7	59
85	Synthesis, characterization and photocatalytic performance of transition metal tungstates. <i>Chemical Physics Letters</i> , 2010, 498, 113-119.	2.6	173
86	Embedded Phases: A Way to Active and Stable Catalysts. <i>ChemSusChem</i> , 2010, 3, 24-42.	6.8	240
87	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, 619-628.	6.8	53
88	Rh-based catalysts for syngas production via SCT-CPO reactors. <i>Catalysis Today</i> , 2010, 155, 101-107.	4.4	7
89	Synthesis of Dispersible Pd@CeO ₂ Core-Shell Nanostructures by Self-Assembly. <i>Journal of the American Chemical Society</i> , 2010, 132, 1402-1409.	13.7	214
90	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.	3.7	13

#	ARTICLE	IF	CITATIONS
91	Active and Stable Embedded Au@CeO ₂ Catalysts for Preferential Oxidation of CO. Chemistry of Materials, 2010, 22, 4335-4345.	6.7	87
92	Novel embedded Pd@CeO ₂ catalysts: a way to active and stable catalysts. Dalton Transactions, 2010, 39, 2122-2127.	3.3	80
93	CuO-xTiO ₂ Photocatalysts for H ₂ Production from Ethanol and Glycerol Solutions. Journal of Physical Chemistry A, 2010, 114, 3916-3925.	2.5	239
94	Photocatalytic Production of Hydrogen Over Tailored Cu-Embedded TiO ₂ . Nanoscience and Nanotechnology Letters, 2009, 1, 128-133.	0.4	6
95	Multi-Functional Copper Oxide Nanosystems for H ₂ Sustainable Production and Sensing. ECS Transactions, 2009, 25, 1169-1176.	0.5	13
96	The Potential of Supported Cu ₂ O and CuO Nanosystems in Photocatalytic H ₂ Production. ChemSusChem, 2009, 2, 230-233.	6.8	225
97	Methane partial oxidation on NiCu-based catalysts. Catalysis Today, 2009, 145, 176-185.	4.4	104
98	Synthesis, characterization and photocatalytic activity of NiO@Bi ₂ O ₃ nanocomposites. Chemical Physics Letters, 2009, 472, 212-216.	2.6	94
99	Photocatalytic activity of zinc modified Bi ₂ O ₃ . Chemical Physics Letters, 2009, 483, 254-261.	2.6	90
100	Relationship between Electrical Behavior and Structural Characteristics in Sr-Doped LaNi _{0.6} Fe _{0.4} O ₃ Mixed Oxides. Chemistry of Materials, 2009, 21, 1768-1774.	6.7	51
101	Charge Redistribution at the Embedded Rh-Alumina Interface. Journal of Physical Chemistry C, 2009, 113, 18069-18074.	3.1	1
102	Identification of the Structural Phases of Ce _x Zr _{1-x} O ₂ by Eu(III) Luminescence Studies. Journal of the American Chemical Society, 2009, 131, 13155-13160.	13.7	91
103	Photocatalytic decolorization of dyes on Ni@ZnO nano-composites. Photochemical and Photobiological Sciences, 2009, 8, 677-682.	2.9	97
104	Development of functionalized Fe-Al-Cr alloy fibers as innovative catalytic oxidation devices. Catalysis Today, 2008, 137, 475-482.	4.4	30
105	A high-frequency (95GHz) electron paramagnetic resonance study of B-doped TiO ₂ photocatalysts. Inorganica Chimica Acta, 2008, 361, 3980-3987.	2.4	32
106	Reduction behavior of nanoparticles of Ce _{0.8} Zr _{0.2} O ₂ produced by different approaches. International Journal of Hydrogen Energy, 2008, 33, 3549-3554.	7.1	12
107	Surface Phases and Photocatalytic Activity Correlation of Bi ₂ O ₃ /Bi ₂ O ₄ Nanocomposite. Journal of the American Chemical Society, 2008, 130, 9658-9659.	13.7	327
108	Effect of the thermal pre-treatments on ceria-zirconia redox properties: An Eu ³⁺ luminescence study. Journal of Alloys and Compounds, 2008, 451, 617-620.	5.5	7

#	ARTICLE	IF	CITATIONS
109	Design of Rh@Ce _{0.2} Zr _{0.8} O ₂ /Al ₂ O ₃ nanocomposite for ethanol steam reforming. Journal of Alloys and Compounds, 2008, 451, 516-520.	5.5	25
110	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. Chemistry of Materials, 2008, 20, 2314-2327.	6.7	117
111	NixCuy/Al ₂ O ₃ based catalysts for hydrogen production. Energy and Environmental Science, 2008, , .	30.8	18
112	Phase Transitions and CO ₂ Adsorption Properties of Polymeric Magnesium Formate. Crystal Growth and Design, 2008, 8, 3302-3308.	3.0	62
113	Preparation, Characterization, and Electrochemical Properties of Pure and Composite LaNi _{0.6} Fe _{0.4} O ₃ -Based Cathodes for IT-SOFC. Chemistry of Materials, 2007, 19, 5926-5936.	6.7	78
114	Monolayer Protected Gold Nanoparticles on Ceria for an Efficient CO Oxidation Catalyst. Chemistry of Materials, 2007, 19, 650-651.	6.7	56
115	TiO ₂ nanopowders doped with boron and nitrogen for photocatalytic applications. Chemical Physics, 2007, 339, 111-123.	1.9	194
116	Photocatalytic activity of TiO ₂ doped with boron and vanadium. Journal of Hazardous Materials, 2007, 146, 529-534.	12.4	167
117	Embedded Rh(1wt.%)@Al ₂ O ₃ : Effects of high temperature and prolonged aging under methane partial oxidation conditions. Applied Catalysis B: Environmental, 2007, 73, 84-97.	20.2	49
118	Rh(1%)@CexZr1-xO ₂ /Al ₂ O ₃ nanocomposites: Active and stable catalysts for ethanol steam reforming. Applied Catalysis B: Environmental, 2007, 71, 125-134.	20.2	89
119	Oxidation enthalpies for reduction of ceria surfaces. Surface Science, 2007, 601, 2512-2519.	1.9	102
120	Hydrogen adsorption kinetics on Pd/Ce _{0.8} Zr _{0.2} O ₂ . Physical Chemistry Chemical Physics, 2006, 8, 2385.	2.8	8
121	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 . Applied Surface Science, 2006, 252, 8456-8465.	6.1	13
122	Influence of synthesis route on morphology and electrical properties of LaNi _{0.6} Fe _{0.4} O ₃ . Solid State Ionics, 2006, 177, 2957-2965.	2.7	60
123	Structural investigation of Ce ₂ Zr ₂ O ₈ after redox treatments which lead to low temperature reduction. Topics in Catalysis, 2006, 41, 35-42.	2.8	26
124	Electron Localization Determines Defect Formation on Ceria Substrates. Science, 2005, 309, 752-755.	12.6	1,211
125	Pd-Dissolution through a mild and effective one-step reaction and its application for Pd-recovery from spent catalytic converters. Chemical Communications, 2005, , 1040.	4.1	42
126	Variations in the Extent of Pyrochlore-Type Cation Ordering in Ce ₂ Zr ₂ O ₈ : A δ -Phase Pathway to Low-Temperature Reduction. Chemistry of Materials, 2005, 17, 1157-1166.	6.7	70

#	ARTICLE	IF	CITATIONS
127	Promotion of reduction in Ce _{0.5} Zr _{0.5} O ₂ : the pyrochlore structure as effect rather than cause?. Physical Chemistry Chemical Physics, 2004, 6, 1-3.	2.8	53
128	Interaction of molecular hydrogen with three-way catalyst model of Pt/Ce _{0.6} Zr _{0.4} O ₂ /Al ₂ O ₃ type. Journal of Molecular Catalysis A, 2003, 204-205, 683-691.	4.8	31
129	Effects of thermal pretreatment on the redox behaviour of Ce _{0.5} Zr _{0.5} O ₂ : isotopic and spectroscopic studies. Physical Chemistry Chemical Physics, 2002, 4, 149-159.	2.8	57
130	Redox and Chemisorptive Properties of Ex-Chloride and Ex-Nitrate Rh/Ce _{0.6} Zr _{0.4} O ₂ Catalysts. Journal of Catalysis, 2000, 189, 339-348.	6.2	17
131	Wet-Chemical Synthesis of Porous Multifaceted Platinum Nanoparticles for Oxygen Reduction and Methanol Oxidation Reactions. ACS Applied Nano Materials, 0, , .	5.0	7