Paolo Fornasiero

List of Publications by Year
in descending order

306 papers	30,370 citations	3933 88 h-index	5394 164 g-index
321 all docs	321 docs citations	321 times ranked	25397 citing authors

#	Article	IF	Citations
1	New insights into the exploitation of oxidized carbon nitrides as heterogeneous base catalysts. Inorganica Chimica Acta, 2022, 531, 120732.	2.4	8
2	To Err is Human; To Reproduce Takes Time. ACS Catalysis, 2022, 12, 3644-3650.	11.2	16
3	Defect engineering over anisotropic brookite toward substrate-specific photo-oxidation of alcohols. Chem Catalysis, 2022, 2, 1177-1190.	6.1	15
4	Advances in Carbon Nitride-Based Materials and Their Electrocatalytic Applications. ACS Catalysis, 2022, 12, 5605-5660.	11.2	46
5	Photocatalytic TiO2 nanosheets-SiO2 coatings on concrete and limestone: An enhancement of de-polluting and self-cleaning properties by nanoparticle design. Construction and Building Materials, 2022, 338, 127349.	7.2	13
6	Challenges and prospects of plasmonic metasurfaces for photothermal catalysis. Nanophotonics, 2022, 11, 3035-3056.	6.0	22
7	The Role of Carbon-Based Materials for Fuel Cells Performance. Carbon, 2022, 198, 301-352.	10.3	28
8	Optimization of H2O2 production in small-scale off-grid buffer layer flow cell equipped with Cobalt@N-Doped Graphitic Carbon Coreâ€“Shell Nanohybrid electrocatalyst. Materials Today Energy, 2022, , 101092.	4.7	6
9	High-performance and long-term stability of mesoporous Cu-doped TiO2 microsphere for catalytic CO oxidation. Journal of Hazardous Materials, 2021, 403, 123630.	12.4	20
10	Multibranched Calix[4]areneâ€Based Sensitizers for Efficient Photocatalytic Hydrogen Production. European Journal of Organic Chemistry, 2021, 2021, 284-288.	2.4	7
11	Two-dimensional layered double hydroxide based photocatalysts for environmental clean-up and renewable energy production. , 2021, , 485-503.		0
12	Well-defined Cu₂O photocatalysts for solar fuels and chemicals. Journal of Materials Chemistry A, 2021, 9, 5915-5951.	10.3	101
13	Tailored amorphization of graphitic carbon nitride triggers superior photocatalytic Câ€“C coupling towards the synthesis of perfluoroalkyl derivatives. Materials Chemistry Frontiers, 2021, 5, 7267-7275.	5.9	21
14	Nb₂O₅â€Based Photocatalysts. Advanced Science, 2021, 8, 2003156.	11.2	92
15	Peptide Gelators to Template Inorganic Nanoparticle Formation. Gels, 2021, 7, 14.	4.5	17
16	Singleâ€Atom Catalysts: A Sustainable Pathway for the Advanced Catalytic Applications. Small, 2021, 17, e2006473.	10.0	135
17	Design of dye-sensitized TiO₂ materials for photocatalytic hydrogen production: light and shadow. JPhys Energy, 2021, 3, 031001.	5.3	28
18	Metal-Free Photocatalysis: Two-Dimensional Nanomaterial Connection toward Advanced Organic Synthesis. ACS Nano, 2021, 15, 3621-3630.	14.6	81

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19	Green Approaches to Carbon Nanostructure-Based Biomaterials. Applied Sciences (Switzerland), 2021, 11, 2490.	2.5	26
20	Dual catalysis by homogeneous/heterogeneous ruthenium species. CheM, 2021, 7, 834-835.	11.7	9
21	Hydrogen and chemicals from alcohols through electrochemical reforming by Pd-CeO2/C electrocatalyst. Inorganica Chimica Acta, 2021, 518, 120245.	2.4	14
22	Sustainable photocatalytic synthesis of benzimidazoles. Inorganica Chimica Acta, 2021, 520, 120289.	2.4	10
23	Carbon Nanostructures Decorated with Titania: Morphological Control and Applications. Applied Sciences (Switzerland), 2021, 11, 6814.	2.5	5
24	Nanostructured Ceria: Biomolecular Templates and (Bio)applications. Nanomaterials, 2021, 11, 2259.	4.1	22
25	Calix[4]arene-based molecular photosensitizers for sustainable hydrogen production and other solar applications. Current Opinion in Green and Sustainable Chemistry, 2021, 32, 100534.	5.9	5
26	Electrocatalytic CO₂ reduction: role of the cross-talk at nano-carbon interfaces. Energy and Environmental Science, 2021, 14, 5816-5833.	30.8	25
27	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications. Chemical Reviews, 2021, 121, 13620-13697.	47.7	136
28	The Role of Structured Carbon in Downsized Transition Metal-Based Electrocatalysts toward a Green Nitrogen Fixation. Catalysts, 2021, 11, 1529.	3.5	2
29	High surface area N/O co-doped carbon materials: Selective electrocatalysts for O2 reduction to H2O2. Catalysis Today, 2020, 356, 132-140.	4.4	26
30	Catalytic applications of cerium dioxide. , 2020, , 45-108.		11
31	Interfacial two-dimensional oxide enhances photocatalytic activity of graphene/titania via electronic structure modification. Carbon, 2020, 157, 350-357.	10.3	7
32	Synthesis and properties of cerium oxide-based materials. , 2020, , 13-43.		11
33	Carbon-Based Single-Atom Catalysts for Advanced Applications. ACS Catalysis, 2020, 10, 2231-2259.	11.2	426
34	Exploration of cobalt@N-doped carbon nanocomposites toward hydrogen peroxide (H2O2) electrosynthesis: A two level investigation through the RRDE analysis and a polymer-based electrolyzer implementation. Electrochimica Acta, 2020, 364, 137287.	5.2	12
35	Fast Screening Method for Nitrogen Reduction Reaction (NRR) Electrocatalytic Activity with Rotating Ringâ€Disc Electrode (RRDE) Analysis in Alkaline Environment. ChemCatChem, 2020, 12, 6205-6213.	3.7	16
36	Nanostructured Gels for Energy and Environmental Applications. Molecules, 2020, 25, 5620.	3.8	7

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37	Light-driven, heterogeneous organocatalysts for Câ€“C bond formation toward valuable perfluoroalkylated intermediates. Science Advances, 2020, 6, .	10.3	75
38	Biocatalysis of d,l-Peptide Nanofibrillar Hydrogel. Molecules, 2020, 25, 2995.	3.8	13
39	Tuning the Properties of Benzothiadiazole Dyes for Efficient Visible Light-Driven Photocatalytic H₂ Production under Different Conditions. ACS Applied Energy Materials, 2020, 3, 8912-8928.	5.1	20
40	Insight into the Effect of Dual Active Cu⁰/Cu⁺ Sites in a Cu/ZnO-Al₂O₃ Catalyst on 5-Hydroxylmethylfurfural Hydrodeoxygenation. ACS Sustainable Chemistry and Engineering, 2020, 8, 15288-15298.	6.7	55
41	Water-Mediated ElectroHydrogenation of CO₂ at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. ACS Applied Energy Materials, 2020, 3, 8509-8518.	5.1	23
42	Epitaxial and Strong Support Interactions between Pt and LaFeO₃ Films Stabilize Pt Dispersion. Journal of the American Chemical Society, 2020, 142, 10373-10382.	13.7	58
43	Excellence versus Diversity? Not an Either/Or Choice. ACS Catalysis, 2020, 10, 7310-7311.	11.2	4
44	TiO2 polymorphs for hydrogen photoproduction. , 2020, , 127-140.		1
45	Determining Plasmonic Hot Electrons and Photothermal Effects during H₂ Evolution with TiNâ€“Pt Nanohybrids. ACS Catalysis, 2020, 10, 5261-5271.	11.2	118
46	Into the carbon: A matter of core and shell in advanced electrocatalysis. APL Materials, 2020, 8, .	5.1	12
47	The electrifying effects of carbon-CeO2 interfaces in (electro)catalysis. Materials Today Advances, 2020, 6, 100050.	5.2	12
48	Structure-activity relationship in Pd/CeO2 methane oxidation catalysts. Chinese Journal of Catalysis, 2020, 41, 938-950.	14.0	62
49	Solar Thermoplasmonic Nanofurnace for High-Temperature Heterogeneous Catalysis. Nano Letters, 2020, 20, 3663-3672.	9.1	49
50	Updates on the Roadmap for Photocatalysis. ACS Catalysis, 2020, 10, 5493-5501.	11.2	293
51	Photocatalysis for Hydrogen Production and CO₂ Reduction: The Case of Copperâ€Catalysts. ChemCatChem, 2019, 11, 368-382.	3.7	131
52	The Rise of Hydrogen Peroxide as the Main Product by Metalâ€Free Catalysis in Oxygen Reductions. Advanced Materials, 2019, 31, e1802920.	21.0	251
53	High Pt Single-Atom Density for High-Rate Generation of H2O2. CheM, 2019, 5, 1927-1928.	11.7	21
54	Combining Dithienosilole-Based Organic Dyes with a Brookite/Platinum Photocatalyst toward Enhanced Visible-Light-Driven Hydrogen Production. ACS Applied Energy Materials, 2019, 2, 5600-5612.	5.1	30

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55	Photocatalytic Hydrogen Production by Boron Modified TiO₂/Carbon Nitride Heterojunctions. ChemCatChem, 2019, 11, 6408-6416.	3.7	35
56	Cerium Oxide Nanoparticles Absorption through Intact and Damaged Human Skin. Molecules, 2019, 24, 3759.	3.8	32
57	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Moving from the Acenaphthene to the Phenanthrene Skeleton of Î±-Diimine Ligands. Organometallics, 2019, 38, 3498-3511.	2.3	34
58	Ex-Solution Synthesis of Sub-5-nm FeO_x Nanoparticles on Mesoporous Hollow N,O-Doped Carbon Nanoshells for Electrocatalytic Oxygen Reduction. ACS Applied Nano Materials, 2019, 2, 6092-6097.	5.0	30
59	Palladiumâ€“Ceria Catalysts with Enhanced Alkaline Hydrogen Oxidation Activity for Anion Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2019, 2, 4999-5008.	5.1	56
60	Visible-light-driven coproduction of diesel precursors and hydrogen from lignocellulose-derived methylfurans. Nature Energy, 2019, 4, 575-584.	39.5	268
61	Singleâ€Atom Catalysis: Mixedâ€Valence Singleâ€Atom Catalyst Derived from Functionalized Graphene (Adv.) Tj ETQq1 1 0.784314 rgB	21.0	8
62	Cross-Linked Carbon Nanotube Adsorbents for Water Treatment: Tuning the Sorption Capacity through Chemical Functionalization. ACS Applied Materials & Interfaces, 2019, 11, 12920-12930.	8.0	45
63	Mixedâ€Valence Singleâ€Atom Catalyst Derived from Functionalized Graphene. Advanced Materials, 2019, 31, e1900323.	21.0	129
64	Selective Electrocatalytic H₂O₂ Generation by Cobalt@Nâ€Doped Graphitic Carbon Coreâ€“Shell Nanohybrids. ChemSusChem, 2019, 12, 1664-1672.	6.8	40
65	Selective Functionalization Blended with Scaffold Conductivity in Graphene Acid Promotes H₂O₂ Electrochemical Sensing. ACS Omega, 2019, 4, 19944-19952.	3.5	14
66	Acid-Promoter-Free Ethylene Methoxycarbonylation over Ru-Clusters/Ceria: The Catalysis of Interfacial Lewis Acidâ€“Base Pair. Journal of the American Chemical Society, 2018, 140, 4172-4181.	13.7	157
67	Catalytic Oxidation of Methane: Pd and Beyond. European Journal of Inorganic Chemistry, 2018, 2018, 2884-2893.	2.0	105
68	An increase in hydrogen production from light and ethanol using a dual scale porosity photocatalyst. Green Chemistry, 2018, 20, 2299-2307.	9.0	18
69	Supported Mn₃O₄ Nanosystems for Hydrogen Production through Ethanol Photoreforming. Langmuir, 2018, 34, 4568-4574.	3.5	13
70	Pd@TiO₂/carbon nanohorn electrocatalysts: reversible CO₂ hydrogenation to formic acid. Energy and Environmental Science, 2018, 11, 1571-1580.	30.8	47
71	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. Applied Catalysis B: Environmental, 2018, 227, 356-365.	20.2	29
72	The contradictory effect of the methoxy-substituent in palladium-catalyzed ethylene/methyl acrylate cooligomerization. Dalton Transactions, 2018, 47, 2778-2790.	3.3	19

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73	Smart Pd Catalyst with Improved Thermal Stability Supported on High-Surface-Area LaFeO₃ Prepared by Atomic Layer Deposition. Journal of the American Chemical Society, 2018, 140, 4841-4848.	13.7	85
74	N-Doped Graphitized Carbon Nanohorns as a Forefront Electrocatalyst in Highly Selective O2 Reduction to H2O2. CheM, 2018, 4, 106-123.	11.7	348
75	Nanostructured carbon supported Pd-ceria as anode catalysts for anion exchange membrane fuel cells fed with polyalcohols. Inorganica Chimica Acta, 2018, 470, 213-220.	2.4	15
76	Dye-Sensitized Photocatalytic Hydrogen Generation: Efficiency Enhancement by Organic Photosensitizerâ€“Coadsorbent Intermolecular Interaction. ACS Energy Letters, 2018, 3, 85-91.	17.4	48
77	Towards Sustainable H₂ Production: Rational Design of Hydrophobic Triphenylamineâ€based Dyes for Sensitized Ethanol Photoreforming. ChemSusChem, 2018, 11, 793-805.	6.8	36
78	Insights into the Plasma-Assisted Fabrication and Nanoscopic Investigation of Tailored MnO₂ Nanomaterials. Inorganic Chemistry, 2018, 57, 14564-14573.	4.0	9
79	From metal to metal-free catalysts: Routes to sustainable chemistry. Advances in Catalysis, 2018, 63, 1-73.	0.2	16
80	Metal-free dual-phase full organic carbon nanotubes/g-C3N4 heteroarchitectures for photocatalytic hydrogen production. Nano Energy, 2018, 50, 468-478.	16.0	133
81	Photocatalytic Hydrogen Evolution from Substoichiometric Colloidal WO_{3â€“x} Nanowires. ACS Energy Letters, 2018, 3, 1904-1910.	17.4	145
82	Atomic Layer Deposition on Porous Materials: Problems with Conventional Approaches to Catalyst and Fuel Cell Electrode Preparation. Inorganics, 2018, 6, 34.	2.7	73
83	Nanostructured Pd Pt nanoparticles: evidences of structure/performance relations in catalytic H2 production reactions. Applied Catalysis B: Environmental, 2018, 236, 88-98.	20.2	45
84	Photocatalytic Hydrogen Production: A Rift into the Future Energy Supply. ChemCatChem, 2017, 9, 1523-1544.	3.7	396
85	High-surface-area, iron-oxide films prepared by atomic layer deposition on Î³-Al2O3. Applied Catalysis A: General, 2017, 534, 70-77.	4.3	34
86	Ionic Couple-Driven Palladium Leaching by Organic Triiodide Solutions. ACS Sustainable Chemistry and Engineering, 2017, 5, 4359-4370.	6.7	12
87	Sustainability and Nanomaterials in Concert. ChemCatChem, 2017, 9, 3274-3284.	3.7	9
88	Palladiumâ€Catalyzed Ethylene/Methyl Acrylate Coâ€Oligomerization: The Effect of a New Nonsymmetrical Î±â€Diimine with the 1,4â€Diazabutadiene Skeleton. ChemCatChem, 2017, 9, 3402-3411.	3.7	24
89	Preface: Morphological, Compositional, and Shape Control of Materials for Catalysis. Studies in Surface Science and Catalysis, 2017, , xv-xvii.	1.5	2
90	Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. Sustainable Energy and Fuels, 2017, 1, 694-698.	4.9	23

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91	Unraveling the surface state and composition of highly selective nanocrystalline Niâ€“Cu alloy catalysts for hydrodeoxygenation of HMF. Catalysis Science and Technology, 2017, 7, 1735-1743.	4.1	82
92	Hot Electron Collection on Brookite Nanorods Lateral Facets for Plasmon-Enhanced Water Oxidation. ACS Catalysis, 2017, 7, 1270-1278.	11.2	53
93	Bi₁₂O₁₇Cl₂/(BiO)₂CO₃ Nanocomposite Materials for Pollutant Adsorption and Degradation: Modulation of the Functional Properties by Composition Tailoring. ACS Omega, 2017, 2, 6298-6308.	3.5	24
94	The water gas shift reaction over Ptâ€“CeO2 nanoparticles confined within mesoporous SBA-16. Journal of Materials Chemistry A, 2017, 5, 20024-20034.	10.3	25
95	Comparing photoelectrochemical water oxidation, recombination kinetics and charge trapping in the three polymorphs of TiO2. Scientific Reports, 2017, 7, 2938.	3.3	46
96	MoO3 altered ZnO: A suitable choice for the photocatalytic removal of chloro-acetic acids in natural sunlight exposure. Chemical Engineering Journal, 2017, 330, 322-336.	12.7	21
97	Opportunities and Challenges in the Synthesis, Characterization, and Catalytic Properties of Controlled Nanostructures. Studies in Surface Science and Catalysis, 2017, 177, 1-56.	1.5	1
98	Making H₂ from light and biomass-derived alcohols: the outstanding activity of newly designed hierarchical MWCNT/Pd@TiO₂ hybrid catalysts. Green Chemistry, 2017, 19, 2379-2389.	9.0	37
99	H 2 O 2 sensing enhancement by mutual integration of single walled carbon nanohorns with metal oxide catalysts: The CeO 2 case. Sensors and Actuators B: Chemical, 2017, 239, 923-932.	7.8	84
100	The effect of sulfur dioxide on the activity of hierarchical Pd-based catalysts in methane combustion. Applied Catalysis B: Environmental, 2017, 202, 72-83.	20.2	80
101	Brookite: Nothing New under the Sun?. Catalysts, 2017, 7, 304.	3.5	71
102	ACS Catalysis and the Scope of Papers Sought in Three Catalysis Subdisciplines: Biocatalysis and Enzymology, Molecular Catalysis for Organic Synthesis, and Heterogeneous Photocatalysis. ACS Catalysis, 2016, 6, 4782-4785.	11.2	9
103	Co-axial heterostructures integrating palladium/titanium dioxide with carbon nanotubes for efficient electrocatalytic hydrogen evolution. Nature Communications, 2016, 7, 13549.	12.8	98
104	Engineering titania nanostructure to tune and improve its photocatalytic activity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3966-3971.	7.1	106
105	Modification of Pd/CeO2 catalyst by Atomic Layer Deposition of ZrO2. Applied Catalysis B: Environmental, 2016, 197, 280-285.	20.2	38
106	Mechanisms for High Selectivity in the Hydrodeoxygenation of 5-Hydroxymethylfurfural over PtCo Nanocrystals. ACS Catalysis, 2016, 6, 4095-4104.	11.2	124
107	Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. Chemical Communications, 2016, 52, 6977-6980.	4.1	55
108	Mix and match metal oxides and nanocarbons for new photocatalytic frontiers. Catalysis Today, 2016, 277, 202-213.	4.4	29

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109	Fundamentals and Catalytic Applications of CeO₂-Based Materials. Chemical Reviews, 2016, 116, 5987-6041.	47.7	1,883
110	Palladium nanoparticles exposure: Evaluation of permeation through damaged and intact human skin. Environmental Pollution, 2016, 214, 497-503.	7.5	41
111	Solar and visible light photocatalytic enhancement of halloysite nanotubes/g-C₃N₄ heteroarchitectures. RSC Advances, 2016, 6, 86617-86626.	3.6	50
112	Hydrogen Production: Iron-Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production (Adv. Mater. Interfaces 16/2016). Advanced Materials Interfaces, 2016, 3, .	3.7	0
113	Dyeâ€Sensitized Solar Hydrogen Production: The Emerging Role of Metalâ€Free Organic Sensitizers. European Journal of Organic Chemistry, 2016, 2016, 5194-5215.	2.4	77
114	Ironâ€“Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production. Advanced Materials Interfaces, 2016, 3, 1600348.	3.7	18
115	Front Cover: Dye-Sensitized Solar Hydrogen Production: The Emerging Role of Metal-Free Organic Sensitizers (Eur. J. Org. Chem. 31/2016). European Journal of Organic Chemistry, 2016, 2016, 5189-5189.	2.4	0
116	Base metal-Pt alloys: A general route to high selectivity and stability in the production of biofuels from HMF. Applied Catalysis B: Environmental, 2016, 199, 439-446.	20.2	100
117	Design of a coreâ€“shell Ptâ€“SiO2 catalyst in a reverse microemulsion system: Distinctive kinetics on CO oxidation at low temperature. Journal of Catalysis, 2016, 340, 368-375.	6.2	61
118	Correlation between Deposition Parameters and Hydrogen Production in CuO Nanostructured Thin Films. Langmuir, 2016, 32, 1510-1520.	3.5	28
119	From trash to resource: recovered-Pd from spent three-way catalysts as a precursor of an effective photo-catalyst for H₂production. Green Chemistry, 2016, 18, 2745-2752.	9.0	26
120	Synthesis and photocatalytic application of visible-light active Î² -Fe 2 O 3 /g-C 3 N 4 hybrid nanocomposites. Applied Catalysis B: Environmental, 2016, 187, 171-180.	20.2	194
121	The H2 Pressure Dependence of Hydrodeoxygenation Selectivities for Furfural Over Pt/C Catalysts. Catalysis Letters, 2016, 146, 711-717.	2.6	54
122	Highly efficient hydrogen production through ethanol photoreforming by a carbon nanocone/Pd@TiO₂ hybrid catalyst. Chemical Communications, 2016, 52, 764-767.	4.1	45
123	Photocatalytic valorization of ethanol and glycerol over TiO2 polymorphs for sustainable hydrogen production. Applied Catalysis A: General, 2016, 518, 167-175.	4.3	45
124	Phosphorus poisoning during wet oxidation of methane over Pd@CeO2/graphite model catalysts. Applied Catalysis B: Environmental, 2016, 197, 271-279.	20.2	28
125	H2 production by photocatalytic reforming of oxygenated compounds using TiO2-based materials. Materials Science in Semiconductor Processing, 2016, 42, 122-130.	4.0	30
126	Energy Efficiency of Alkaline Direct Ethanol Fuel Cells Employing Nanostructured Palladium Electrocatalysts. ChemCatChem, 2015, 7, 2214-2221.	3.7	58

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127	Tuning Thiopheneâ€Based Phenothiazines for Stable Photocatalytic Hydrogen Production. ChemSusChem, 2015, 8, 4216-4228.	6.8	48
128	Carbon nanotubes and catalysis: the many facets of a successful marriage. Catalysis Science and Technology, 2015, 5, 3859-3875.	4.1	106
129	Improved activity and stability of Pd@CeO2 coreâ€“shell catalysts hybridized with multi-walled carbon nanotubes in the water gas shift reaction. Catalysis Today, 2015, 253, 142-148.	4.4	36
130	Permeation of platinum and rhodium nanoparticles through intact and damaged human skin. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	25
131	Carboxylated, Feâ€Filled Multiwalled Carbon Nanotubes as Versatile Catalysts for O₂ Reduction and H₂ Evolution Reactions at Physiological pH. Chemistry - A European Journal, 2015, 21, 12769-12777.	3.3	25
132	Photocatalytic H2 production by ethanol photodehydrogenation: Effect of anatase/brookite nanocomposites composition. Inorganica Chimica Acta, 2015, 431, 197-205.	2.4	41
133	Fe₂O₃â€“TiO₂nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties. CrystEngComm, 2015, 17, 6219-6226.	2.6	37
134	Dynamic structural evolution of supported palladiumâ€“ceria coreâ€“shell catalysts revealed by in situ electron microscopy. Nature Communications, 2015, 6, 7778.	12.8	105
135	Palladium Catalysis: A Special Issue Aiming to Cross Borders. ChemCatChem, 2015, 7, 1979-1980.	3.7	7
136	Vibrational Fingerprints of Low-Lying Pt_nP_{2n} (n = 1â€“5) Cluster Structures from Global Optimization Based on Density Functional Theory Potential Energy Surfaces. Journal of Physical Chemistry A, 2015, 119, 11711-11718.	2.5	4
137	Methane Catalytic Combustion over Hierarchical Pd@CeO₂/Siâ€Al₂O₃: Effect of the Presence of Water. ChemCatChem, 2015, 7, 2038-2046.	3.7	98
138	Direct Alcohol Fuel Cells: Toward the Power Densities of Hydrogenâ€Fed Proton Exchange Membrane Fuel Cells. ChemSusChem, 2015, 8, 524-533.	6.8	56
139	Sunlight induced formation of surface Bi2O4â^'â€“Bi2O3 nanocomposite during the photocatalytic mineralization of 2-chloro and 2-nitrophenol. Applied Catalysis B: Environmental, 2015, 163, 444-451.	20.2	112
140	Electrochemical growth of platinum nanostructures for enhanced ethanol oxidation. Applied Catalysis B: Environmental, 2015, 165, 185-191.	20.2	17
141	A Model to Determine the Chemical Expansion in Non-Stoichiometric Oxides Based on the Elastic Force Dipole. Journal of the Electrochemical Society, 2014, 161, F3060-F3064.	2.9	9
142	Enhanced Hydrogen Production by Photoreforming of Renewable Oxygenates Through Nanostructured Fe₂O₃ Polymorphs. Advanced Functional Materials, 2014, 24, 372-378.	14.9	146
143	Au@TiO2 Coreâ€“Shell Nanostructures with High Thermal Stability. Catalysis Letters, 2014, 144, 1939-1945.	2.6	14
144	Analogies and Differences in Palladiumâ€Catalyzed CO/Styrene and Ethylene/Methyl Acrylate Copolymerization Reactions. ChemCatChem, 2014, 6, 2403-2418.	3.7	22

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145	Supported platinumâ€“zinc oxide coreâ€“shell nanoparticle catalysts for methanol steam reforming. Journal of Materials Chemistry A, 2014, 2, 19509-19514.	10.3	31
146	Solar H2generation via ethanol photoreforming on Îµ-Fe2O3nanorod arrays activated by Ag and Au nanoparticles. RSC Advances, 2014, 4, 32174.	3.6	40
147	Methane Oxidation on Pd@ZrO₂/Siâ€“Al₂O₃ Is Enhanced by Surface Reduction of ZrO₂. ACS Catalysis, 2014, 4, 3902-3909.	11.2	119
148	The role of ceria-based nanostructured materials in energy applications. Materials Today, 2014, 17, 349-357.	14.2	228
149	Synthesis and Stability of Pd@CeO₂ Coreâ€“Shell Catalyst Films in Solid Oxide Fuel Cell Anodes. ACS Catalysis, 2013, 3, 1801-1809.	11.2	96
150	CORE-SHELL-TYPE MATERIALS BASED ON CERIA. Catalytic Science Series, 2013, , 361-396.	0.0	1
151	High-temperature calcination improves the catalytic properties of alumina-supported Pd@ceria prepared by self assembly. Journal of Catalysis, 2013, 306, 109-115.	6.2	33
152	Palladiumâ€Catalyzed Ethylene/Methyl Acrylate Cooligomerization: Effect of a New Nonsymmetric Î±â€Ðiimine. ChemCatChem, 2013, 5, 1170-1183.	3.7	52
153	Control of Metal Nanocrystal Size Reveals Metal-Support Interface Role for Ceria Catalysts. Science, 2013, 341, 771-773.	12.6	1,142
154	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO2 for CO oxidation. Applied Catalysis B: Environmental, 2013, 130-131, 121-131.	20.2	49
155	Playing with Structures at the Nanoscale: Designing Catalysts by Manipulation of Clusters and Nanocrystals as Building Blocks. ChemPhysChem, 2013, 14, 3869-3877.	2.1	25
156	Catalysis-Material Crosstalk at Tailored Nano-Carbon Interfaces. Topics in Current Chemistry, 2013, 348, 139-180.	4.0	11
157	Photoassisted H2 production by metal oxide nanomaterials fabricated through CVD-based approaches. Surface and Coatings Technology, 2013, 230, 219-227.	4.8	21
158	In situreaction furnace for real-time XRD studies. Journal of Synchrotron Radiation, 2013, 20, 194-196.	2.4	33
159	The power of EPR techniques in revealing active sites in heterogeneous photocatalysis: The case of anion doped TiO2. Catalysis Today, 2013, 206, 2-11.	4.4	48
160	Electrooxidation of Ethylene Glycol and Glycerol on Pdâ€(Niâ€Zn)/C Anodes in Direct Alcohol Fuel Cells. ChemSusChem, 2013, 6, 518-528.	6.8	138
161	Exceptional Thermal Stability of Pd@CeO₂ Coreâ€“Shell Catalyst Nanostructures Grafted onto an Oxide Surface. Nano Letters, 2013, 13, 2252-2257.	9.1	106
162	H2 production by selective photo-dehydrogenation of ethanol in gas and liquid phase on CuOx/TiO2 nanocomposites. RSC Advances, 2013, 3, 21776.	3.6	70

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