

# ValÃ©rie Caps

## List of Publications by Year in descending order

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43  
papers

1,547  
citations

279798

23  
h-index

302126

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Au/TiO <sub>2</sub> @gC <sub>3</sub> N <sub>4</sub> Nanocomposites for Enhanced Photocatalytic H <sub>2</sub> Production from Water under Visible Light Irradiation with Very Low Quantities of Sacrificial Agents. <i>Advanced Energy Materials</i> , 2018, 8, 1702142.	19.5	163
2	Selective oxidation of CO over model gold-based catalysts in the presence of H <sub>2</sub> . <i>Journal of Catalysis</i> , 2005, 230, 476-483.	6.2	151
3	Gold Nanoparticles Supported on Passivated Silica: Access to an Efficient Aerobic Epoxidation Catalyst and the Intrinsic Oxidation Activity of Gold. <i>Journal of the American Chemical Society</i> , 2009, 131, 14667-14669.	13.7	111
4	On the mechanism of hydrogen-promoted gold-catalyzed CO oxidation. <i>Journal of Catalysis</i> , 2009, 268, 384-389.	6.2	81
5	Influence of the gas atmosphere during the synthesis of g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic H <sub>2</sub> production from water on Au/g-C <sub>3</sub> N <sub>4</sub> composites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14849-14863.	10.3	81
6	Insights into activation, deactivation and hydrogen-induced promotion of a Au/TiO <sub>2</sub> reference catalyst in CO oxidation. <i>Journal of Catalysis</i> , 2006, 239, 307-312.	6.2	64
7	Support Effects in the Gold-Catalyzed Preferential Oxidation of CO. <i>ChemCatChem</i> , 2010, 2, 556-563.	3.7	58
8	Effect of the titania morphology on the Au/TiO <sub>2</sub> -catalyzed aerobic epoxidation of stilbene. <i>Catalysis Today</i> , 2009, 141, 355-360.	4.4	53
9	Au/TiO <sub>2</sub> (P25)-gC <sub>3</sub> N <sub>4</sub> composites with low gC <sub>3</sub> N <sub>4</sub> content enhance TiO <sub>2</sub> sensitization for remarkable H <sub>2</sub> production from water under visible-light irradiation. <i>Nano Energy</i> , 2020, 75, 104888.	16.0	53
10	Green Synthesis of Ni-Nb oxide Catalysts for Low-Temperature Oxidative Dehydrogenation of Ethane. <i>ChemSusChem</i> , 2015, 8, 1254-1263.	6.8	49
11	Activation of solid grinding-derived Au/TiO <sub>2</sub> photocatalysts for solar H <sub>2</sub> production from water-methanol mixtures with low alcohol content. <i>Journal of Catalysis</i> , 2017, 352, 22-34.	6.2	49
12	H <sub>2</sub> -induced promotion of CO oxidation over unsupported gold. <i>Catalysis Today</i> , 2008, 138, 43-49.	4.4	44
13	Aerobic methylcyclohexane-promoted epoxidation of stilbene over gold nanoparticles supported on Cd-doped titania. <i>Dalton Transactions</i> , 2010, 39, 8457.	3.3	38
14	Highly efficient aerobic oxidation of alkenes over unsupported nanogold. <i>Chemical Communications</i> , 2010, 46, 5361.	4.1	36
15	Mesostructured Au/C materials obtained by replication of functionalized SBA-15 silica containing highly dispersed gold nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2011, 140, 89-96.	4.4	34
16	Gold-catalyzed aerobic epoxidation of trans-stilbene in methylcyclohexane. Part I: Design of a reference catalyst. <i>Applied Catalysis A: General</i> , 2012, 415-416, 1-9.	4.3	31
17	Plasmonic Au-based junctions onto TiO <sub>2</sub> , gC <sub>3</sub> N <sub>4</sub> , and TiO <sub>2</sub> -gC <sub>3</sub> N <sub>4</sub> systems for photocatalytic hydrogen production: Fundamentals and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111095.	16.4	31
18	Structures and associated catalytic properties of well-defined nanoparticles produced by laser vaporisation of alloy rods. <i>Faraday Discussions</i> , 2008, 138, 241-256.	3.2	30

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19	Au/TiO <sub>2</sub> photocatalysts prepared by solid grinding for artificial solar-light water splitting. <i>New Journal of Chemistry</i> , 2016, 40, 4428-4435.	2.8	30
20	Promoting effect of AuCu alloying on Au-Cu/CeO <sub>2</sub> -catalyzed CO oxidation: A combined kinetic and in situ DRIFTS study. <i>Journal of Catalysis</i> , 2020, 382, 329-338.	6.2	30
21	Design of hybrid titania nanocrystallites as supports for gold catalysts. <i>Chemical Communications</i> , 2009, , 3116.	4.1	27
22	A Single Source Precursor Route to Group 13 Homo- and Heterometallic Oxides as Highly Active Supports for Gold-Catalyzed Aerobic Epoxidation of <i>trans</i> -Stilbene. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 500-510.	2.0	26
23	Heterogenisation of Os species on MCM-41 structure for epoxidation of <i>trans</i> -stilbene. <i>Applied Catalysis A: General</i> , 2003, 248, 19-31.	4.3	25
24	Evolution in the chemical making of gold oxidation catalysts. <i>Comptes Rendus Chimie</i> , 2016, 19, 192-198.	0.5	22
25	Improving the Catalytic Performance of Cobalt for CO Preferential Oxidation by Stabilizing the Active Phase through Vanadium Promotion. <i>ACS Catalysis</i> , 2021, 11, 5369-5385.	11.2	22
26	Probing the Role of Atomic Defects in Photocatalytic Systems through Photoinduced Enhanced Raman Scattering. <i>ACS Energy Letters</i> , 2021, 6, 4273-4281.	17.4	22
27	A high-throughput study of the redox properties of Nb-Ni oxide catalysts by low temperature CO oxidation: Implications in ethane ODH. <i>Catalysis Today</i> , 2013, 203, 3-9.	4.4	20
28	Experimental Microkinetic Approach of the Surface Reconstruction of Gold Particles during the Adsorption of CO at 300 K on 1% Au/Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2009, 113, 8194-8200.	3.1	18
29	Gold-catalyzed aerobic epoxidation of <i>trans</i> -stilbene in methylcyclohexane. Part II: Identification and quantification of a key reaction intermediate. <i>Catalysis Today</i> , 2013, 203, 111-115.	4.4	18
30	Hydrogenation of cinnamaldehyde over bimetallic Au-Cu/CeO <sub>2</sub> catalyst under a mild condition. <i>Chinese Chemical Letters</i> , 2017, 28, 293-296.	9.0	16
31	Effect of manganese promotion on the activity and selectivity of cobalt catalysts for CO preferential oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120397.	20.2	16
32	Plasmonic photocatalysis applied to solar fuels. <i>Faraday Discussions</i> , 2019, 214, 417-439.	3.2	15
33	Durable PROX catalyst based on gold nanoparticles and hydrophobic silica. <i>Chemical Communications</i> , 2016, 52, 3179-3182.	4.1	14
34	Hydrophobic gold catalysts: From synthesis on passivated silica to synthesis on few-layer graphene. <i>Catalysis Today</i> , 2014, 235, 90-97.	4.4	13
35	One-Pot Synthesis of Size- and Composition-Controlled Ni-Rich NiPt Alloy Nanoparticles in a Reverse Microemulsion System and Their Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30643-30653.	8.0	13
36	Effect of the titania morphology on the preparation of Au/TiO <sub>2</sub> (/SiO <sub>2</sub> ) catalysts. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 127-134.	1.5	11

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37	Innovative preparation of Au/C by replication of gold-containing mesoporous silica catalysts. <i>Studies in Surface Science and Catalysis</i> , 2010, , 221-224.	1.5	9
38	Synthesis of monodisperse gold octahedra in polyol: Selective oxidation of stilbene. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 530, 85-92.	4.7	6
39	Graphene-supported 2D cobalt oxides for catalytic applications. <i>Faraday Discussions</i> , 2021, 227, 259-273.	3.2	6
40	Intercalation of Copper Phthalocyanine Within Bulk Graphite as a New Strategy Toward the Synthesis of CuO-Based CO Oxidation Catalysts. <i>Frontiers in Chemistry</i> , 2020, 8, 735.	3.6	5
41	Titania-Carbon Nitride Interfaces in Gold-Catalyzed CO Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 61015-61026.	8.0	4
42	Renewable Energy Nanosources for Sustainable Biomass Conversion. <i>CheM</i> , 2019, 5, 2746-2748.	11.7	2
43	3-Dimensional graphene-like structures and applications: general discussion. <i>Faraday Discussions</i> , 2021, 227, 359-382.	3.2	0