

# SÃ³nia A C Carabineiro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9576386/publications.pdf>

Version: 2024-02-01

193  
papers

8,612  
citations

41258

49  
h-index

53109

85  
g-index

210  
all docs

210  
docs citations

210  
times ranked

10106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphitic Carbon Nitride: Synthesis, Properties, and Applications in Catalysis. ACS Applied Materials & Interfaces, 2014, 6, 16449-16465.	4.0	1,018
2	Ceria nanoparticles shape effects on the structural defects and surface chemistry: Implications in CO oxidation by Cu/CeO <sub>2</sub> catalysts. Applied Catalysis B: Environmental, 2018, 230, 18-28.	10.8	359
3	Comparison between activated carbon, carbon xerogel and carbon nanotubes for the adsorption of the antibiotic ciprofloxacin. Catalysis Today, 2012, 186, 29-34.	2.2	311
4	Adsorption of ciprofloxacin on surface-modified carbon materials. Water Research, 2011, 45, 4583-4591.	5.3	289
5	Oxidation of CO, ethanol and toluene over TiO <sub>2</sub> supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	10.8	221
6	2D g-C <sub>3</sub> N <sub>4</sub> for advancement of photo-generated carrier dynamics: Status and challenges. Materials Today, 2020, 41, 270-303.	8.3	214
7	Boron doped graphitic carbon nitride with acid-base duality for cycloaddition of carbon dioxide to epoxide under solvent-free condition. Applied Catalysis B: Environmental, 2017, 219, 92-100.	10.8	150
8	Adsorption of cationic dyes, drugs and metal from aqueous solutions using a polymer composite of magnetic/ $\beta$ -cyclodextrin/activated charcoal/Na alginate: Isotherm, kinetics and regeneration studies. Journal of Hazardous Materials, 2021, 409, 124840.	6.5	150
9	Highly active phosphite gold(i) catalysts for intramolecular hydroalkoxylation, enyne cyclization and furanone cyclization. Chemical Communications, 2014, 50, 4937.	2.2	143
10	Catalytic oxidation of toluene on Ce-Co and La-Co mixed oxides synthesized by exotemplating and evaporation methods. Catalysis Today, 2015, 244, 161-171.	2.2	129
11	Cationic Dye Removal Using Novel Magnetic/Activated Charcoal/ $\beta$ -Cyclodextrin/Alginate Polymer Nanocomposite. Nanomaterials, 2020, 10, 170.	1.9	116
12	Gold supported on carbon nanotubes for the selective oxidation of glycerol. Journal of Catalysis, 2012, 285, 83-91.	3.1	107
13	Catalytic performance of Au/ZnO nanocatalysts for CO oxidation. Journal of Catalysis, 2010, 273, 191-198.	3.1	99
14	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	2.2	99
15	Surface and redox properties of cobalt-ceria binary oxides: On the effect of Co content and pretreatment conditions. Applied Surface Science, 2015, 341, 48-54.	3.1	95
16	Applications of Gold Nanoparticles in Nanomedicine: Recent Advances in Vaccines. Molecules, 2017, 22, 857.	1.7	95
17	Gold nanoparticles supported on carbon materials for cyclohexane oxidation with hydrogen peroxide. Applied Catalysis A: General, 2013, 467, 279-290.	2.2	93
18	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce <sub>1-x</sub> Sm <sub>x</sub> O <sub>2</sub> mixed oxides. Journal of Hazardous Materials, 2013, 261, 512-521.	6.5	92

#	ARTICLE	IF	CITATIONS
19	Homogeneous and heterogenised new gold C-scorpionate complexes as catalysts for cyclohexane oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 3056.	2.1	91
20	Effect of preparation method on the solid state properties and the deN<sub>2</sub>O performance of CuOâ€“CeO<sub>2</sub> oxides. <i>Catalysis Science and Technology</i> , 2015, 5, 3714-3727.	2.1	88
21	High-performance graphene-based carbon nanofiller/polymer composites for piezoresistive sensor applications. <i>Composites Science and Technology</i> , 2017, 153, 241-252.	3.8	86
22	Total oxidation of ethyl acetate, ethanol and toluene catalyzed by exotemplated manganese and cerium oxides loaded with gold. <i>Catalysis Today</i> , 2012, 180, 148-154.	2.2	85
23	Stabilized gold on cerium-modified cryptomelane: Highly active in low-temperature CO oxidation. <i>Journal of Catalysis</i> , 2014, 309, 58-65.	3.1	83
24	Oxygen activation sites in gold and iron catalysts supported on carbon nitride and activated carbon. <i>Journal of Catalysis</i> , 2010, 274, 207-214.	3.1	81
25	Heterogenisation of a Câ€“scorpionate Fe<sup>II</sup> Complex on Carbon Materials for Cyclohexane Oxidation with Hydrogen Peroxide. <i>ChemCatChem</i> , 2013, 5, 3847-3856.	1.8	80
26	Synthesis and Characterization of Tetrahedral and Square Planar Bis(iminopyrrolyl) Complexes of Cobalt(II). <i>Inorganic Chemistry</i> , 2007, 46, 6880-6890.	1.9	79
27	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. <i>Progress in Organic Coatings</i> , 2015, 85, 151-158.	1.9	79
28	Supported Gold Nanoparticles as Catalysts for the Oxidation of Alcohols and Alkanes. <i>Frontiers in Chemistry</i> , 2019, 7, 702.	1.8	77
29	Gold supported on metal oxides for carbon monoxide oxidation. <i>Nano Research</i> , 2011, 4, 180-193.	5.8	76
30	Exotemplated ceria catalysts with gold for CO oxidation. <i>Applied Catalysis A: General</i> , 2010, 381, 150-160.	2.2	74
31	Nanostructured iron oxide catalysts with gold for the oxidation of carbon monoxide. <i>RSC Advances</i> , 2012, 2, 2957.	1.7	74
32	Impact of the synthesis parameters on the solid state properties and the CO oxidation performance of ceria nanoparticles. <i>RSC Advances</i> , 2017, 7, 6160-6169.	1.7	67
33	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. <i>Catalysis Letters</i> , 2010, 134, 217-227.	1.4	65
34	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. <i>Catalysis Today</i> , 2010, 154, 21-30.	2.2	65
35	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. <i>Journal of Catalysis</i> , 2014, 316, 182-190.	3.1	65
36	Aerobic selective oxidation of alcohols using La1âˆ“Ce CoO3 perovskite catalysts. <i>Journal of Catalysis</i> , 2016, 340, 41-48.	3.1	65

#	ARTICLE	IF	CITATIONS
37	Adsorption of small molecules on gold single crystal surfaces. <i>Gold Bulletin</i> , 2009, 42, 288-301.	3.2	64
38	Kinetics and mechanism of catalytic carbon gasification. <i>Fuel</i> , 2016, 183, 457-469.	3.4	64
39	Effect of cobalt loading on the solid state properties and ethyl acetate oxidation performance of cobalt-cerium mixed oxides. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 141-149.	5.0	64
40	Three in one: atomically dispersed Na boosting the photoreactivity of carbon nitride towards NO oxidation. <i>Chemical Communications</i> , 2020, 56, 14195-14198.	2.2	64
41	Effect of mesoporous g-C <sub>3</sub> N <sub>4</sub> substrate on catalytic oxidation of CO over Co <sub>3</sub> O <sub>4</sub> . <i>Applied Surface Science</i> , 2017, 401, 333-340.	3.1	63
42	Ciprofloxacin wastewater treated by UVA photocatalysis: contribution of irradiated TiO <sub>2</sub> and ZnO nanoparticles on the final toxicity as assessed by <i>Vibrio fischeri</i> . <i>RSC Advances</i> , 2016, 6, 95494-95503.	1.7	59
43	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. <i>Applied Catalysis A: General</i> , 2014, 472, 101-112.	2.2	58
44	Facet-Dependent Reactivity of Fe <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> Nanocomposites: Effect of Ceria Morphology on CO Oxidation. <i>Catalysts</i> , 2019, 9, 371.	1.6	58
45	Carbon dioxide hydrogenation over supported Au nanoparticles: Effect of the support. <i>Journal of CO<sub>2</sub> Utilization</i> , 2017, 19, 247-256.	3.3	57
46	Lanthanide metal organic frameworks based on dicarboxyl-functionalized arylhydrazone of barbituric acid: syntheses, structures, luminescence and catalytic cyanosilylation of aldehydes. <i>Dalton Transactions</i> , 2017, 46, 8649-8657.	1.6	55
47	Nanoparticle Size and Concentration Dependence of the Electroactive Phase Content and Electrical and Optical Properties of Ag/Poly(vinylidene fluoride) Composites. <i>ChemPhysChem</i> , 2013, 14, 1926-1933.	1.0	54
48	Photocatalytic degradation of recalcitrant micropollutants by reusable Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> particles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 345, 27-35.	2.0	52
49	Nanodiamonds/poly(vinylidene fluoride) composites for tissue engineering applications. <i>Composites Part B: Engineering</i> , 2017, 111, 37-44.	5.9	52
50	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. <i>Polymer</i> , 2019, 169, 138-147.	1.8	51
51	Effect of the carbon nanotube surface characteristics on the conductivity and dielectric constant of carbon nanotube/poly(vinylidene fluoride) composites. <i>Nanoscale Research Letters</i> , 2011, 6, 302.	3.1	50
52	Photocatalytic performance of Au/ZnO nanocatalysts for hydrogen production from ethanol. <i>Applied Catalysis A: General</i> , 2016, 518, 198-205.	2.2	50
53	Highly Sensitive Piezoresistive Graphene-Based Stretchable Composites for Sensing Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46286-46295.	4.0	50
54	Facile one-pot synthesis of Pt nanoparticles /SBA-15: an active and stable material for catalytic applications. <i>Energy and Environmental Science</i> , 2011, 4, 2020.	15.6	49

#	ARTICLE	IF	CITATIONS
55	Synthesis, Structure and Magnetic Behavior of Five-Coordinate Bis(iminopyrrolyl) Complexes of Cobalt(II) containing PMe <sub>3</sub> and THF Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 8896-8911.	1.9	48
56	Effect of chloride on the sinterization of Au/CeO <sub>2</sub> catalysts. <i>Catalysis Today</i> , 2010, 154, 293-302.	2.2	48
57	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. <i>Catalysis Letters</i> , 2011, 141, 420-431.	1.4	48
58	Oxidovanadium(V) Complexes Anchored on Carbon Materials as Catalysts for the Oxidation of 1-Phenylethanol. <i>ChemCatChem</i> , 2016, 8, 2254-2266.	1.8	46
59	Highly efficient and reusable CNT supported iron(II) catalyst for microwave assisted alcohol oxidation. <i>Dalton Transactions</i> , 2016, 45, 6816-6819.	1.6	46
60	Research progress in metal sulfides for photocatalysis: From activity to stability. <i>Chemosphere</i> , 2022, 303, 135085.	4.2	46
61	Synthesis, characterisation and solid state structures of $\lambda^2$ -diimine cobalt(II) complexes: Ethylene polymerisation tests. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 769-775.	0.8	45
62	Effect of the preparation method on the catalytic activity and stability of Au/Fe <sub>2</sub> O <sub>3</sub> catalysts in the low-temperature water-gas shift reaction. <i>Applied Catalysis A: General</i> , 2014, 470, 45-55.	2.2	45
63	CO <sub>2</sub> Hydrogenation over Nanoceria-Supported Transition Metal Catalysts: Role of Ceria Morphology (Nanorods versus Nanocubes) and Active Phase Nature (Co versus Cu). <i>Nanomaterials</i> , 2019, 9, 1739.	1.9	45
64	Superhydrophilic poly(L-lactic acid) electrospun membranes for biomedical applications obtained by argon and oxygen plasma treatment. <i>Applied Surface Science</i> , 2016, 371, 74-82.	3.1	44
65	Supported Gold Nanoparticles as Reusable Catalysts for Oxidation Reactions of Industrial Significance. <i>ChemCatChem</i> , 2017, 9, 1211-1221.	1.8	44
66	Vanadium as a catalyst for NO, N <sub>2</sub> O and CO <sub>2</sub> reaction with activated carbon. <i>Catalysis Today</i> , 2000, 57, 305-312.	2.2	41
67	Remarkable efficiency of Ni supported on hydrothermally synthesized CeO <sub>2</sub> nanorods for low-temperature CO <sub>2</sub> hydrogenation to methane. <i>Catalysis Communications</i> , 2020, 142, 106036.	1.6	41
68	The Best of Two Worlds from the Gold Catalysis Universe: Making Homogeneous Heterogeneous. <i>ChemCatChem</i> , 2012, 4, 18-29.	1.8	40
69	Methionine-Functionalized Graphene Oxide/Sodium Alginate Bio-Polymer Nanocomposite Hydrogel Beads: Synthesis, Isotherm and Kinetic Studies for an Adsorptive Removal of Fluoroquinolone Antibiotics. <i>Nanomaterials</i> , 2021, 11, 568.	1.9	40
70	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 795-804.	3.3	39
71	Nanodiamond-TiO <sub>2</sub> composites for photocatalytic degradation of microcystin-LA in aqueous solutions under simulated solar light. <i>RSC Advances</i> , 2015, 5, 58363-58370.	1.7	39
72	Photocatalytic activity of functionalized nanodiamond-TiO <sub>2</sub> composites towards water pollutants degradation under UV/Vis irradiation. <i>Applied Surface Science</i> , 2018, 458, 839-848.	3.1	38

#	ARTICLE	IF	CITATIONS
73	Adsorption of SO <sub>2</sub> using vanadium and vanadium-copper supported on activated carbon. <i>Catalysis Today</i> , 2003, 78, 203-210.	2.2	37
74	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 344-355.	3.3	37
75	Assessing the Photocatalytic Degradation of Fluoroquinolone Norfloxacin by Mn:ZnS Quantum Dots: Kinetic Study, Degradation Pathway and Influencing Factors. <i>Nanomaterials</i> , 2020, 10, 964.	1.9	37
76	Application of Au/TiO <sub>2</sub> catalysts in the low-temperature water-gas shift reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4670-4681.	3.8	35
77	Solid-supported nitrogen acyclic carbene (SNAC) complexes of gold: Preparation and catalytic activity. <i>Journal of Catalysis</i> , 2017, 350, 97-102.	3.1	35
78	Heterogenized Scorpionate Iron(II) Complex on Nanostructured Carbon Materials as Recyclable Catalysts for Microwave-Assisted Oxidation Reactions. <i>ChemCatChem</i> , 2018, 10, 1821-1828.	1.8	35
79	Nanodiamond-TiO <sub>2</sub> Composites for Heterogeneous Photocatalysis. <i>ChemPlusChem</i> , 2013, 78, 801-807.	1.3	33
80	Volatile organic compounds abatement over copper-based catalysts: Effect of support. <i>Inorganica Chimica Acta</i> , 2017, 455, 473-482.	1.2	33
81	The effect of nanotube surface oxidation on the electrical properties of multiwall carbon nanotube/poly(vinylidene fluoride) composites. <i>Journal of Materials Science</i> , 2012, 47, 8103-8111.	1.7	32
82	Optimization of N <sub>2</sub> O decomposition activity of CuO-CeO <sub>2</sub> mixed oxides by means of synthesis procedure and alkali (Cs) promotion. <i>Catalysis Science and Technology</i> , 2018, 8, 2312-2322.	2.1	32
83	Gold nanoparticles supported on magnesium oxide for CO oxidation. <i>Nanoscale Research Letters</i> , 2011, 6, 435.	3.1	31
84	Catalytic Applications for Gold Nanotechnology. <i>Nanoscience and Technology</i> , 2007, , 377-489.	1.5	30
85	Uncatalyzed and catalyzed NO and N <sub>2</sub> O reaction using various catalysts and binary barium mixtures supported on activated carbon. <i>Catalysis Today</i> , 1999, 54, 559-567.	2.2	29
86	Interaction of nitric oxide with Pt(100). A fast X-ray photoelectron spectroscopy study. <i>Surface Science</i> , 2002, 516, 109-117.	0.8	29
87	Selective oxidation of ammonia over Ir(). Comparison with Ir(). <i>Surface Science</i> , 2003, 532-535, 87-95.	0.8	29
88	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. <i>Molecules</i> , 2016, 21, 644.	1.7	29
89	Highly active and stable TiO <sub>2</sub> -supported Au nanoparticles for CO <sub>2</sub> reduction. <i>Catalysis Communications</i> , 2017, 98, 52-56.	1.6	29
90	Selective oxidation of ammonia over Ir(110). <i>Surface Science</i> , 2002, 505, 163-170.	0.8	28

#	ARTICLE	IF	CITATIONS
91	Plasma generation of supported metal catalyts. <i>Applied Catalysis A: General</i> , 2002, 237, 41-51.	2.2	27
92	Effect of alkali (Cs) doping on the surface chemistry and CO <sub>2</sub> hydrogenation performance of CuO/CeO <sub>2</sub> catalyts. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 44, 101408.	3.3	26
93	Selective oxidation of ammonia over Ru(0001). <i>Surface Science</i> , 2004, 555, 83-93.	0.8	25
94	Wet peroxide oxidation of dye-containing wastewaters using nanosized Au supported on Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Today</i> , 2017, 280, 165-175.	2.2	25
95	Gold nanoparticles deposited on surface modified carbon materials as reusable catalyts for hydrocarboxylation of cyclohexane. <i>Applied Catalysis A: General</i> , 2017, 547, 124-131.	2.2	25
96	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalyts for the Oxidation of Alkanes and Alcohols. <i>ChemCatChem</i> , 2018, 10, 1804-1813.	1.8	25
97	Gold on oxide-doped alumina supports as catalyts for CO oxidation. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 35-46.	1.6	24
98	Intensified elimination of aqueous heavy metal ions using chicken feathers chemically modified by a batch method. <i>Journal of Molecular Liquids</i> , 2020, 312, 113475.	2.3	24
99	Transition-metal complexes of phenoxy-imine ligands modified with pendant imidazolium salts: Synthesis, characterisation and testing as ethylene polymerisation catalyts. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 717-724.	0.8	23
100	Supported Scorpionate Vanadium(IV) Complexes as Reusable Catalyts for Xylene Oxidation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1915-1919.	1.7	23
101	N <sub>2</sub> O conversion using manganese binary mixtures supported on activated carbon. <i>Applied Catalysis B: Environmental</i> , 2005, 59, 181-186.	10.8	22
102	Catalytic decomposition of N <sub>2</sub> O on inorganic oxides: Effect of doping with Au nanoparticles. <i>Molecular Catalysis</i> , 2017, 436, 78-89.	1.0	22
103	Poly(vinylidene) fluoride membranes coated by heparin/collagen layer-by-layer, smart biomimetic approaches for mesenchymal stem cell culture. <i>Materials Science and Engineering C</i> , 2020, 117, 111281.	3.8	22
104	Gold Nanoparticles Deposited on Surface Modified Carbon Xerogels as Reusable Catalyts for Cyclohexane C-H Activation in the Presence of CO and Water. <i>Molecules</i> , 2017, 22, 603.	1.7	21
105	Oxidation of 5-Hydroxymethylfurfural on Supported Ag, Au, Pd and Bimetallic Pd-Au Catalyts: Effect of the Support. <i>Catalysts</i> , 2021, 11, 115.	1.6	20
106	Uncatalysed and catalysed CO <sub>2</sub> reaction using metal catalyts and binary vanadium mixtures supported on activated carbon. <i>Carbon</i> , 2001, 39, 451-463.	5.4	19
107	NO conversion using binary vanadium mixtures supported on activated carbon. <i>Applied Catalysis B: Environmental</i> , 2003, 44, 227-235.	10.8	19
108	Reactions of small molecules on gold single crystal surfaces. <i>Gold Bulletin</i> , 2010, 43, 252-266.	3.2	18



#	ARTICLE	IF	CITATIONS
109	Octahedral Co(III) complexes of 2-(phenylimino)pyrrolyl ligands: Synthesis and structural characterisation. <i>Inorganica Chimica Acta</i> , 2011, 367, 151-157.	1.2	18
110	Chloramine-T/N-Bromosuccinimide/FeCl <sub>3</sub> /KIO <sub>3</sub> Decorated Graphene Oxide Nanosheets and Their Antibacterial Activity. <i>Nanomaterials</i> , 2020, 10, 105.	1.9	18
111	Morphology Dependence Degradation of Electro- and Magnetoactive Poly(3-hydroxybutyrate-co-hydroxyvalerate) for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 953.	2.0	18
112	Reduction of N <sub>2</sub> O by H <sub>2</sub> on the Ir(110) surface: oscillations in rate. <i>Surface Science</i> , 2001, 495, 1-7.	0.8	17
113	Bis(ketopyrrolyl) complexes of Co(ii) stabilised by trimethylphosphine ligands. <i>Dalton Transactions</i> , 2007, , 5460.	1.6	17
114	The Catalytic Activity of Carbon-Supported Cu(I)-Phosphine Complexes for the Microwave-Assisted Synthesis of 1,2,3-Triazoles. <i>Catalysts</i> , 2021, 11, 185.	1.6	17
115	Calcium Alginate Beads with Entrapped Iron Oxide Magnetic Nanoparticles Functionalized with Methionineâ€”A Versatile Adsorbent for Arsenic Removal. <i>Nanomaterials</i> , 2021, 11, 1345.	1.9	17
116	Wastewater Treatment by Catalytic Wet Peroxidation Using Nano Gold-Based Catalysts: A Review. <i>Catalysts</i> , 2019, 9, 478.	1.6	16
117	Ceria Nanoparticlesâ€™ Morphological Effects on the N <sub>2</sub> O Decomposition Performance of Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> Mixed Oxides. <i>Catalysts</i> , 2019, 9, 233.	1.6	16
118	Green Oxidation of nâ€”Octanol on Supported Nanogold Catalysts: Formation of Gold Active Sites under Combined Effect of Gold Content, Additive Nature and Redox Pretreatment. <i>ChemCatChem</i> , 2019, 11, 1615-1624.	1.8	16
119	Oxygen vacancies-induced photoreactivity enhancement of TiO <sub>2</sub> mesocrystals towards acetone oxidation. <i>Applied Surface Science</i> , 2022, 594, 153519.	3.1	16
120	CO oxidation over gold supported on Cs, Li and Ti-doped cryptomelane materials. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 17-29.	5.0	15
121	Synthesis of a Novel Series of Cu(I) Complexes Bearing Alkylated 1,3,5-Triaza-7-phosphaadamantane as Homogeneous and Carbon-Supported Catalysts for the Synthesis of 1- and 2-Substituted-1,2,3-triazoles. <i>Nanomaterials</i> , 2021, 11, 2702.	1.9	15
122	The reduction of NO on Pt(100) by H <sub>2</sub> and CO studied with synchrotron x-ray photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 119, 6245-6252.	1.2	14
123	N <sub>2</sub> O reduction by activated carbon over iron bimetallic catalysts. <i>Catalysis Today</i> , 2008, 133-135, 441-447.	2.2	14
124	Multifunctional hybrid membranes for photocatalytic and adsorptive removal of water contaminants of emerging concern. <i>Chemosphere</i> , 2022, 293, 133548.	4.2	14
125	Nickel(II) complexes of bidentate Nâ€”Nâ€” ligands containing mixed pyrazole, pyrimidine and pyridine aromatic rings as catalysts for ethylene polymerisation. <i>Journal of Organometallic Chemistry</i> , 2015, 799-800, 90-98.	0.8	12
126	One-pot synthesis of Laâ€”Feâ€”O@CN composites as photo-Fenton catalysts for highly efficient removal of organic dyes in wastewater. <i>Ceramics International</i> , 2020, 46, 10740-10747.	2.3	12



#	ARTICLE	IF	CITATIONS
127	Shape Effects of Ceria Nanoparticles on the Waterâ€™Gas Shift Performance of CuOx/CeO2 Catalysts. Catalysts, 2021, 11, 753.	1.6	12
128	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. Catalysts, 2022, 12, 45.	1.6	12
129	Oxidation of a wood extractive betulin to biologically active oxo-derivatives using supported gold catalysts. Green Chemistry, 2019, 21, 3370-3382.	4.6	11
130	Effect of Gold Electronic State on the Catalytic Performance of Nano Gold Catalysts in n-Octanol Oxidation. Nanomaterials, 2020, 10, 880.	1.9	11
131	Catalytic Properties of Graphene Oxide Synthesized by a â€œGreenâ€•Process for Efficient Abatement of Auramine-O Cationic Dye. Analytical Chemistry Letters, 2020, 10, 21-32.	0.4	11
132	Explaining Bamboo-Like Carbon Fiber Growth Mechanism: Catalyst Shape Adjustments above Tammann Temperature. Journal of Carbon Research, 2020, 6, 18.	1.4	11
133	Antimicrobial and Antibiofilm Properties of Fluorinated Polymers with Embedded Functionalized Nanodiamonds. ACS Applied Polymer Materials, 2020, 2, 5014-5024.	2.0	11
134	Aromatisation of 2-phenyl-1-pyrroline to 2-phenylpyrrole using activated carbon. Catalysis Letters, 2006, 111, 221-225.	1.4	10
135	Solochrome Dark Blue Azo Dye Removal by Sonophotocatalysis Using Mn2+ Doped ZnS Quantum Dots. Catalysts, 2021, 11, 1025.	1.6	10
136	Determination of the Chemical Composition of Eucalyptus spp. for Cellulosic Pulp Production. Forests, 2021, 12, 1649.	0.9	10
137	RESONANT PHOTOEMISSION OF N2O ON Ir(110). Surface Review and Letters, 2004, 11, 385-389.	0.5	9
138	Understanding the Reactions of CO2, NO, and N2O with Activated Carbon Catalyzed by Binary Mixtures. Energy & Fuels, 2016, 30, 6881-6891.	2.5	9
139	Chicken feathers derived materials for the removal of chromium from aqueous solutions: kinetics, isotherms, thermodynamics and regeneration studies. Journal of Dispersion Science and Technology, 2022, 43, 446-460.	1.3	9
140	Porphyrinâ€™Nanodiamond Hybrid Materialsâ€™Active, Stable and Reusable Cyclohexene Oxidation Catalysts. Catalysts, 2020, 10, 1402.	1.6	9
141	Construction of Agâ€™Bridged Zâ€™Scheme LaFe<sub>0.5</sub>Co<sub>0.5</sub>O<sub>3</sub>/Ag<sub>10</sub>/Graphitic Carbon Nitride Heterojunctions for Photoâ€™Fenton Degradation of Tetracycline Hydrochloride: Interfacial Electron Effect and Reaction Mechanism. Advanced Materials Interfaces, 2022, 9, .	1.9	9
142	Removal of Hydrophobic Contaminants from the Soil by Adsorption onto Carbon Materials and Microbial Degradation. Journal of Carbon Research, 2021, 7, 83.	1.4	9
143	Title is missing!. Catalysis Letters, 2002, 84, 135-142.	1.4	8
144	Synchrotron XPS study of the NOâ€™CO reaction on Pt(100). Surface Science, 2003, 532-535, 120-125.	0.8	8

#	ARTICLE	IF	CITATIONS
145	Glycerol Oxidation over Supported Gold Catalysts: The Combined Effect of Au Particle Size and Basicity of Support. <i>Processes</i> , 2020, 8, 1016.	1.3	8
146	Catalytic oxidative transformation of betulin to its valuable oxo-derivatives over gold supported catalysts: Effect of support nature. <i>Catalysis Today</i> , 2021, 367, 95-110.	2.2	8
147	Kinetics of Carbon Nanotubes and Graphene Growth on Iron and Steel: Evidencing the Mechanisms of Carbon Formation. <i>Nanomaterials</i> , 2021, 11, 143.	1.9	8
148	The Ca <sup>2+</sup> -ATPase Inhibition Potential of Gold(I, III) Compounds. <i>Inorganics</i> , 2020, 8, 49.	1.2	8
149	Templated Synthesis of Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanostructures for the Liquid-Phase Aerobic Oxidation of Benzyl Alcohol to Benzaldehyde. <i>ACS Applied Nano Materials</i> , 2022, 5, 3722-3732.	2.4	8
150	Selective etching of in-situ formed La <sub>2</sub> O <sub>3</sub> particles to prepare porous LaCoO <sub>3</sub> perovskite for catalytic combustion of ethyl acetate. <i>Applied Catalysis A: General</i> , 2022, 635, 118554.	2.2	8
151	In-situ techniques for studying deterioration of C/C composite aircraft brakes by catalytic oxidation. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1999, 50, 689-695.	0.8	7
152	Mathematical modeling of rate oscillations in NO reduction by H and CO over the Ir(110) surface. <i>Catalysis Today</i> , 2005, 105, 223-233.	2.2	7
153	Dye-containing wastewater treatment by photo-assisted wet peroxidation using Au nanosized catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3223-3232.	1.6	7
154	Solvent-free oxidation of 1-phenylethanol catalysed by gold nanoparticles supported on carbon powder materials. <i>Catalysis Today</i> , 2020, 357, 22-31.	2.2	7
155	Carbon Formation at High Temperatures (550–1400 Å°C): Kinetics, Alternative Mechanisms and Growth Modes. <i>Catalysts</i> , 2020, 10, 465.	1.6	7
156	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. <i>Nanomaterials</i> , 2020, 10, 151.	1.9	7
157	Oxido- and Dioxido-Vanadium(V) Complexes Supported on Carbon Materials: Reusable Catalysts for the Oxidation of Cyclohexane. <i>Nanomaterials</i> , 2021, 11, 1456.	1.9	7
158	Gold Compounds Inhibit the Ca <sup>2+</sup> -ATPase Activity of Brain PMCA and Human Neuroblastoma SH-SY5Y Cells and Decrease Cell Viability. <i>Metals</i> , 2021, 11, 1934.	1.0	7
159	Oscillations in the N <sub>2</sub> O–H <sub>2</sub> reaction over Ir(110). Route to chaos. <i>Surface Science</i> , 2003, 532-535, 96-102.	0.8	6
160	Photodeposition of Au and Pt on ZnO and TiO <sub>2</sub> . <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 629-633.	1.5	6
161	Nanodiamond–TiO <sub>2</sub> Composites for Heterogeneous Photocatalysis. <i>ChemPlusChem</i> , 2013, 78, 750-750.	1.3	6
162	Orange II Degradation by Wet Peroxide Oxidation Using Au Nanosized Catalysts: Effect of the Support. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 1988-1998.	1.8	6

#	ARTICLE	IF	CITATIONS
163	Hydroaminomethylation reaction as powerful tool for preparation of rhodium/phosphine-functionalized nanomaterials. Catalytic evaluation in styrene hydroformylation. <i>Catalysis Today</i> , 2020, 356, 456-463.	2.2	6
164	( <i>S</i> )-BINOL Immobilized onto Multiwalled Carbon Nanotubes through Covalent Linkage: A New Approach for Hybrid Nanomaterials Characterization. <i>ChemNanoMat</i> , 2015, 1, 178-187.	1.5	5
165	Catalytic carbon gasification: Understanding catalyst-carbon contact and rate jump behavior with air. <i>Fuel Processing Technology</i> , 2018, 179, 313-318.	3.7	5
166	Commercial gold(III) complex supported on functionalized carbon materials as catalyst for cyclohexane hydrocarboxylation. <i>Catalysis Today</i> , 2020, 357, 39-45.	2.2	5
167	Control of surface functionalization of graphene-metal oxide polymer nanocomposites prepared by a hydrothermal method. <i>Polymer Bulletin</i> , 2021, 78, 4665-4683.	1.7	5
168	The role of nanogold in human tropical diseases: research, detection and therapy. <i>Gold Bulletin</i> , 2013, 46, 65-79.	1.1	4
169	Immobilization and Characterization of L-Asparaginase over Carbon Xerogels. <i>BioTech</i> , 2022, 11, 10.	1.3	4
170	Supported Silver Nanoparticles as Catalysts for Liquid-Phase Betulin Oxidation. <i>Nanomaterials</i> , 2021, 11, 469.	1.9	3
171	Liquid-phase oxidation of betulin over supported Ag NPs catalysts: Kinetic regularities, catalyst deactivation and reactivation. <i>Molecular Catalysis</i> , 2022, 528, 112461.	1.0	3
172	Preparation of Au nanoparticles on Ce-Ti-O supports. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 457-461.	1.5	2
173	Gold highlights at the 11th "Trends in Nanotechnology" International Conference (TNT 2010) in Braga, Portugal, September 6-10, 2010. <i>Gold Bulletin</i> , 2011, 44, 57-62.	1.1	2
174	Synthesis, characterization and antibacterial activity of a graphene oxide based NiO and starch composite material. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 559-571.	1.3	2
175	Mechanisms of Carbon Nanotubes and Graphene Growth: Kinetics versus Thermodynamics. <i>Journal of Carbon Research</i> , 2020, 6, 67.	1.4	2
176	Gold Highlights at the 21st Meeting of the Portuguese Society of Chemistry in Porto, Portugal, June 11-13, 2008. <i>Gold Bulletin</i> , 2008, 41, 350-351.	3.2	1
177	Organogold Complexes "An Important Role in Homogenous Catalysis and a Golden Future as Heterogenized (Hybrid) Materials. , 2013, , 105-121.		1
178	The use of nanodiamonds in the seeding of CVD diamond and in heterogeneous catalysis. , 2015, , .		1
179	Effect of the Metal Deposition Order on Structural, Electronic and Catalytic Properties of TiO <sub>2</sub> -Supported Bimetallic Au-Ag Catalysts in 1-Octanol Selective Oxidation. <i>Catalysts</i> , 2021, 11, 799.	1.6	1
180	Modelling of uncatalysed and barium catalysed NO reduction by activated carbon. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 1421-1426.	1.5	0

#	ARTICLE	IF	CITATIONS
181	Gold Highlights at nanoSpain conference in Braga, Portugal April 14-18, 2008. Gold Bulletin, 2008, 41, 265-268.	3.2	0
182	Gold highlights on the 22nd Meeting of the Portuguese Society of Chemistry in Braga, Portugal, July 3-6, 2011. Gold Bulletin, 2011, 44, 239-243.	1.1	0
183	Gold highlights at the 10th International Conference on Heteroatom Chemistry (ICHAC-10), in Uji, Kyoto, Japan, 20-25 May 2012. Gold Bulletin, 2012, 45, 171-175.	1.1	0
184	Gold highlights at the Third International NanoMedicine Conference, in Coogee Beach, Sydney, Australia, 2-4 July 2012. Gold Bulletin, 2012, 45, 235-239.	1.1	0
185	Conference report: gold highlights at the International Conference on Nanomaterials and Nanotechnology 2011 (ICNANO-2011) in Delhi, India, 18-21 December 2011. Gold Bulletin, 2012, 45, 99-104.	1.1	0
186	Cover Picture: Nanodiamond-TiO <sub>2</sub> Composites for Heterogeneous Photocatalysis (ChemPlusChem 8/2013). ChemPlusChem, 2013, 78, 749-749.	1.3	0
187	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. ChemCatChem, 2018, 10, 1661-1662.	1.8	0
188	Green Oxidation of <i>n</i> -Octanol on Supported Nanogold Catalysts: Formation of Gold Active Sites under Combined Effect of Gold Content, Additive Nature and Redox Pretreatment. ChemCatChem, 2019, 11, 1549-1549.	1.8	0
189	Green Chemistry and Environmental Processes. Catalysts, 2021, 11, 643.	1.6	0
190	Dioxin Decomposition and Detection Using Gold Based Materials. Recent Patents on Chemical Engineering, 2012, 5, 56-62.	0.5	0
191	Selective Spectrophotometric Method for the Determination of Mercury(II) in Water Samples. Analytical Chemistry Letters, 2020, 10, 654-666.	0.4	0
192	Commercial Gold Complexes Supported on Functionalised Carbon Materials as Efficient Catalysts for the Direct Oxidation of Ethane to Acetic Acid. Catalysts, 2022, 12, 165.	1.6	0
193	Production of high-quality forest wood biomass using artificial intelligence to control thermal modification. Biomass Conversion and Biorefinery, 2024, 14, 1731-1747.	2.9	0