

Esther Bailon Garcia

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1638092/esther-bailon-garcia-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

1,206
citations

19
h-index

33
g-index

73
ext. papers

1,664
ext. citations

7.4
avg, IF

5.08
L-index

#	Paper	IF	Citations
67	Activated carbons from KOH and H ₃ PO ₄ -activation of olive residues and its application as supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017 , 229, 219-228	6.7	149
66	Isotopic and in situ DRIFTS study of the CO ₂ methanation mechanism using Ni/CeO ₂ and Ni/Al ₂ O ₃ catalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118538	21.8	81
65	New carbon xerogel-TiO ₂ composites with high performance as visible-light photocatalysts for dye mineralization. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 29-40	21.8	77
64	Tailoring the surface chemistry and porosity of activated carbons: Evidence of reorganization and mobility of oxygenated surface groups. <i>Carbon</i> , 2014 , 68, 520-530	10.4	64
63	Carbon-TiO ₂ composites as high-performance supercapacitor electrodes: synergistic effect between carbon and metal oxide phases. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 633-644	13	63
62	Catalysts Supported on Carbon Materials for the Selective Hydrogenation of Citral. <i>Catalysts</i> , 2013 , 3, 853-877	4	56
61	Insights into the Oxygen Vacancy Filling Mechanism in CuO/CeO ₂ Catalysts: A Key Step Toward High Selectivity in Preferential CO Oxidation. <i>ACS Catalysis</i> , 2020 , 10, 6532-6545	13.1	48
60	Synthesis of Ti _x O _y nanocrystals in mild synthesis conditions for the degradation of pollutants under solar light. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 385-392	21.8	47
59	Effect of metal loading on the CO ₂ methanation: A comparison between alumina supported Ni and Ru catalysts. <i>Catalysis Today</i> , 2020 , 356, 419-432	5.3	45
58	Physicochemical properties of new cellulose-TiO ₂ composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5032-5041	6.8	40
57	Development of Carbon-ZrO ₂ composites with high performance as visible-light photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 540-550	21.8	33
56	Effect of calcination temperature of a copper ferrite synthesized by a sol-gel method on its structural characteristics and performance as Fenton catalyst to remove gallic acid from water. <i>Journal of Colloid and Interface Science</i> , 2018 , 511, 193-202	9.3	33
55	Three-dimensionally ordered macroporous PrOx: An improved alternative to ceria catalysts for soot combustion. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 567-572	21.8	31
54	Improved asymmetrical honeycomb monolith catalyst prepared using a 3D printed template. <i>Journal of Hazardous Materials</i> , 2019 , 368, 638-643	12.8	27
53	Electrochemical performances of supercapacitors from carbon-ZrO ₂ composites. <i>Electrochimica Acta</i> , 2018 , 259, 803-814	6.7	26
52	Microspheres of carbon xerogel: An alternative Pt-support for the selective hydrogenation of citral. <i>Applied Catalysis A: General</i> , 2014 , 482, 318-326	5.1	24
51	Development of Vanadium-Coated Carbon Microspheres: Electrochemical Behavior as Electrodes for Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1802337	15.6	23

50	Tailoring activated carbons for the development of specific adsorbents of gasoline vapors. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 533-40	12.8	21
49	Enhancement of the Generation and Transfer of Active Oxygen in Ni/CeO Catalysts for Soot Combustion by Controlling the Ni-Ceria Contact and the Three-Dimensional Structure. <i>Environmental Science & Technology</i> , 2020 , 54, 2439-2447	10.3	20
48	Influence of the pretreatment conditions on the development and performance of active sites of Pt/TiO ₂ catalysts used for the selective citral hydrogenation. <i>Journal of Catalysis</i> , 2015 , 327, 86-95	7.3	19
47	Development of carbon xerogels as alternative Pt-supports for the selective hydrogenation of citral. <i>Catalysis Communications</i> , 2015 , 58, 64-69	3.2	19
46	Design of Monolithic Supports by 3D Printing for Its Application in the Preferential Oxidation of CO (CO-PrOx). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36763-36773	9.5	17
45	Functionalized Cellulose for the Controlled Synthesis of Novel Carbon-Ti Nanocomposites: Physicochemical and Photocatalytic Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	17
44	Selective hydrogenation of citral by noble metals supported on carbon xerogels: Catalytic performance and stability. <i>Applied Catalysis A: General</i> , 2016 , 512, 63-73	5.1	15
43	Customizable Heterogeneous Catalysts: Nonchanneled Advanced Monolithic Supports Manufactured by 3D-Printing for Improved Active Phase Coating Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54573-54584	9.5	15
42	Active, selective and stable NiO-CeO ₂ nanoparticles for CO ₂ methanation. <i>Fuel Processing Technology</i> , 2021 , 212, 106637	7.2	15
41	CH ₃ -Tagged Bis(pyrazolato)-Based Coordination Polymers and Metal-Organic Frameworks: An Experimental and Theoretical Insight. <i>Crystal Growth and Design</i> , 2017 , 17, 3854-3867	3.5	14
40	Mesoporous carbon nanospheres with improved conductivity for electro-catalytic reduction of O ₂ and CO ₂ . <i>Carbon</i> , 2019 , 155, 88-99	10.4	13
39	Design of active sites in Ni/CeO ₂ catalysts for the methanation of CO ₂ : tailoring the Ni-CeO ₂ contact. <i>Applied Materials Today</i> , 2020 , 19, 100591	6.6	13
38	Monitoring intermediate species formation by DRIFT during the simultaneous removal of soot and NO _x over LaAgMnO ₃ catalyst. <i>Applied Catalysis A: General</i> , 2019 , 588, 117280	5.1	12
37	Chemoselective Pt-catalysts supported on carbon-TiO ₂ composites for the direct hydrogenation of citral to unsaturated alcohols. <i>Journal of Catalysis</i> , 2016 , 344, 701-711	7.3	12
36	Influence of the Pt-particle size on the performance of carbon supported catalysts used in the hydrogenation of citral. <i>Catalysis Communications</i> , 2016 , 82, 36-40	3.2	11
35	Key-lock Ceria Catalysts for the Control of Diesel Engine Soot Particulate Emissions. <i>ChemCatChem</i> , 2020 , 12, 1772-1781	5.2	9
34	Carbon-vanadium composites as non-precious catalysts for electro-reduction of oxygen. <i>Carbon</i> , 2019 , 144, 289-300	10.4	9
33	Cobalt oxide-carbon nanocatalysts with highly enhanced catalytic performance for the green synthesis of nitrogen heterocycles through the Friedländer condensation. <i>Dalton Transactions</i> , 2019 , 48, 5637-5648	4.3	8

32	Valorization of agricultural wood wastes as electrodes for electrochemical capacitors by chemical activation with H ₃ PO ₄ and KOH. <i>Wood Science and Technology</i> , 2020 , 54, 401-420	2.5	8
31	From CO ₂ to Value-Added Products: A Review about Carbon-Based Materials for Electro-Chemical CO ₂ Conversion. <i>Catalysts</i> , 2021 , 11, 351	4	8
30	The use of functionalized carbon xerogels in cells growth. <i>Materials Science and Engineering C</i> , 2019 , 100, 598-607	8.3	6
29	Activated carbon-based coloured titania nanoparticles with high visible radiation absorption and excellent photoactivity in the degradation of emerging drugs of wastewater. <i>Carbon</i> , 2021 , 178, 753-766	10.4	6
28	Reduction of NO with new vanadium-carbon xerogel composites. Effect of the oxidation state of vanadium species. <i>Carbon</i> , 2020 , 156, 194-204	10.4	6
27	Isotopic study of the La _{0.7} Ag _{0.3} MnO ₃ perovskite-catalyzed soot oxidation in presence of NO. <i>Applied Catalysis A: General</i> , 2020 , 599, 117611	5.1	5
26	Stable NiO@Fe ₂ O ₃ nanoparticles with improved carbon resistance for methane dry reforming. <i>Journal of Rare Earths</i> , 2020 ,	3.7	5
25	Cellulose@TiO ₂ composites for the removal of water pollutants 2020 , 329-358		4
24	Influence of Surface Chemistry on the Electrochemical Performance of Biomass-Derived Carbon Electrodes for its Use as Supercapacitors. <i>Materials</i> , 2019 , 12,	3.5	4
23	Hydrodynamic effects on the overall adsorption rate of phenol on activated carbon cloth through the advection-diffusion model application. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 93, 267-278	6.3	4
22	PrOx catalysts for the combustion of soot generated in diesel engines: effect of CuO and 3DOM structures. <i>Catalysis Science and Technology</i> , 2019 , 9, 2553-2562	5.5	3
21	A new platform for facile synthesis of hybrid TiO ₂ nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. <i>Materials Letters</i> , 2020 , 274, 128016	3.3	3
20	Catalysts based on carbon xerogels with high catalytic activity for the reduction of NO _x at low temperatures. <i>Catalysis Today</i> , 2020 , 356, 301-311	5.3	2
19	Elucidating the Role of the Metal Catalyst and Oxide Support in the Ru/CeO-Catalyzed CO Methanation Mechanism. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 25533-25544	3.8	2
18	Carbon Microspheres with Tailored Texture and Surface Chemistry As Electrode Materials for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 541-551	8.3	2
17	PrOx nanoparticles: Active and stable catalysts for soot combustion. <i>Applied Surface Science</i> , 2021 , 563, 150183	6.7	2
16	Effect of Ru loading on Ru/CeO ₂ catalysts for CO ₂ methanation. <i>Molecular Catalysis</i> , 2021 , 515, 111911	3.3	2
15	Fitting the experimental conditions and characteristics of Pt/C catalyst for the selective hydrogenation of citral. <i>Chemical Engineering Communications</i> , 2018 , 205, 1299-1310	2.2	1

14	Copper-Lanthanum Catalysts for NO _x and Soot Removal. <i>ChemCatChem</i> , 2020 , 12, 6375-6384	5.2	1
13	Mineral Manganese Oxides as Oxidation Catalysts: Capabilities in the CO-PROX Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6329-6336	8.3	1
12	Effect of Pr in CO Methanation Ru/CeO Catalysts. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12038-12049	4.9	1
11	Synthesis of modified TiO ₂ -based catalysts for the photocatalytic production of solar fuels from synthesis gas. <i>Catalysis Today</i> , 2021 , 379, 272-284	5.3	1
10	Design and fabrication of integral carbon monoliths combining 3D printing and sol-gel polymerization: effects of the channel morphology on the CO-PROX reaction. <i>Catalysis Science and Technology</i> ,	5.5	1
9	3D Modeling of the Adsorption Rate of Pyridine on Activated Carbon Cloth in a Stirred Tank under Turbulent Conditions. <i>Processes</i> , 2022 , 10, 735	2.9	1
8	Intrinsic kinetics of CO ₂ methanation on low-loaded Ni/Al ₂ O ₃ catalyst: Mechanism, model discrimination and parameter estimation. <i>Journal of CO₂ Utilization</i> , 2022 , 57, 101888	7.6	0
7	Shaping a soot combustion Ce _{0.5} Pr _{0.5} O _x catalyst. <i>Applied Surface Science</i> , 2022 , 584, 152513	6.7	0
6	Sponge-like carbon monoliths: Porosity control of 3D-printed carbon supports and its influence on the catalytic performance. <i>Chemical Engineering Journal</i> , 2022 , 432, 134218	14.7	0
5	ZrO ₂ -TiO ₂ /Carbon core-shell composites as highly efficient solar-driven photo-catalysts: An approach for removal of hazardous water pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104350	6.8	0
4	Improved Cd (II) ions removal performance from aqueous solution using cerium doped activated carbon. <i>Materials Today: Proceedings</i> , 2021 , 51, 1957-1957	1.4	0
3	Monitoring by in situ NAP-XPS of active sites for CO ₂ methanation on a Ni/CeO ₂ catalyst. <i>Journal of CO₂ Utilization</i> , 2022 , 60, 101980	7.6	0
2	Investigations of the Effect of H ₂ in CO Oxidation over Ceria Catalysts. <i>Catalysts</i> , 2021 , 11, 1556	4	0
1	Bacteria Supported on Carbon-Coated Monoliths for Water Denitrification. <i>Journal of Carbon Research</i> , 2020 , 6, 77	3.3	