

Marta Stucchi

List of Publications by Year in descending order

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36
papers

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36
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound assisted synthesis of Ag-decorated TiO ₂ active in visible light. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 282-288.	8.2	80
2	Simultaneous photodegradation of VOC mixture by TiO ₂ powders. <i>Chemosphere</i> , 2018, 193, 198-206.	8.2	47
3	Gold Catalysts for the Selective Oxidation of Biomass-Derived Products. <i>ChemCatChem</i> , 2019, 11, 309-323.	3.7	47
4	Photocatalytic degradation of dyes in water with micro-sized TiO ₂ as powder or coated on porcelain-grÄ's tiles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 280, 27-31.	3.9	46
5	Nano and micro-TiO ₂ for the photodegradation of ethanol: experimental data and kinetic modelling. <i>RSC Advances</i> , 2015, 5, 53419-53425.	3.6	37
6	Surface decoration of commercial micro-sized TiO ₂ by means of high energy ultrasound: A way to enhance its photocatalytic activity under visible light. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 124-132.	20.2	31
7	Water treatment: Mn-TiO ₂ synthesized by ultrasound with increased aromatics adsorption. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 272-279.	8.2	29
8	Copper NPs decorated titania: A novel synthesis by high energy US with a study of the photocatalytic activity under visible light. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 295-301.	8.2	25
9	Ultrasound to improve both synthesis and pollutants degradation based on metal nanoparticles supported on TiO ₂ . <i>Ultrasonics Sonochemistry</i> , 2019, 51, 462-468.	8.2	25
10	Nano-MnO ₂ Decoration of TiO ₂ Microparticles to Promote Gaseous Ethanol Visible Photoremoval. <i>Nanomaterials</i> , 2018, 8, 686.	4.1	22
11	Oxidation of 5-Hydroxymethylfurfural on Supported Ag, Au, Pd and Bimetallic Pd-Au Catalysts: Effect of the Support. <i>Catalysts</i> , 2021, 11, 115.	3.5	20
12	LiFePO ₄ spray drying scale-up and carbon-cage for improved cyclability. <i>Journal of Power Sources</i> , 2020, 462, 228103.	7.8	19
13	NO _x degradation in a continuous large-scale reactor using full-size industrial photocatalytic tiles. <i>Catalysis Science and Technology</i> , 2016, 6, 2261-2267.	4.1	16
14	Gas-Phase Fructose Conversion to Furfural in a Microfluidized Bed Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5580-5587.	6.7	13
15	Ru supported on micro and mesoporous carbons as catalysts for biomass-derived molecules hydrogenation. <i>Catalysis Today</i> , 2020, 357, 143-151.	4.4	12
16	A Pt-Mo hybrid catalyst for furfural transformation. <i>Catalysis Today</i> , 2020, 357, 122-131.	4.4	11
17	Carbon-Supported Au Nanoparticles: Catalytic Activity Ruled Out by Carbon Support. <i>Topics in Catalysis</i> , 2018, 61, 1928-1938.	2.8	10
18	Catalytic Oxidation of Methoxy Substituted Benzyl Alcohols as Model for Lignin Valorisation. <i>Catalysis Today</i> , 2020, 357, 15-21.	4.4	10

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19	Unraveling the effect of ZrO ₂ modifiers on the nature of active sites on AuRu/ZrO ₂ catalysts for furfural hydrogenation. Sustainable Energy and Fuels, 2020, 4, 1469-1480.	4.9	10
20	Synergistic Effect in Au-Cu Bimetallic Catalysts for the Valorization of Lignin-Derived Compounds. Catalysts, 2020, 10, 332.	3.5	10
21	New insights for the catalytic oxidation of cyclohexane to K-A oil. Journal of Energy Chemistry, 2022, 70, 45-51.	12.9	10
22	A New Frontier of Photocatalysis Employing Micro-Sized TiO ₂ : Air/Water Pollution Abatement and Self-Cleaning/ Antibacterial Applications. , 0, , .		9
23	Discovering the role of substrate in aldehyde hydrogenation. Journal of Catalysis, 2021, 399, 162-169.	6.2	9
24	Glycerol Oxidation over Supported Gold Catalysts: The Combined Effect of Au Particle Size and Basicity of Support. Processes, 2020, 8, 1016.	2.8	8
25	CNF-Functionalization as Versatile Tool for Tuning Activity in Cellulose-Derived Product Hydrogenation. Molecules, 2019, 24, 316.	3.8	7
26	A Kinetic Study on the Degradation of Acetaminophen and Amoxicillin in Water by Ultrasound. ChemistrySelect, 2020, 5, 14986-14992.	1.5	6
27	Influence of frequency and amplitude on the mucus viscoelasticity of the novel mechano-acoustic Frequencerâ. Respiratory Medicine, 2019, 153, 52-59.	2.9	5
28	Ruling Factors in Cinnamaldehyde Hydrogenation: Activity and Selectivity of Pt-Mo Catalysts. Nanomaterials, 2021, 11, 362.	4.1	5
29	Iron as modifier of Pd and Pt-based catalysts for sustainable and green processes. Inorganica Chimica Acta, 2022, 535, 120856.	2.4	5
30	An Insight into the Role of Reactant Structure Effect in Pd/C Catalysed Aldehyde Hydrogenation. Nanomaterials, 2022, 12, 908.	4.1	4
31	Photocatalytic TiO ₂ : From Airless Jet Spray Technology to Digital Inkjet Printing. , 0, , .		3
32	GoldâSilver Catalysts: Ruling Factors for Establishing Synergism. ChemCatChem, 2019, 11, 4043-4053.	3.7	3
33	Noble Metal Promoted TiO ₂ from Silver-Waste Valorisation: Synergism between Ag and Au. Catalysts, 2022, 12, 235.	3.5	3
34	Mimicking Stained Glass: A Hands-On Activity for the Preparation and Characterization of Silica Films Colored with Noble Metal Ions and Nanoparticles. Journal of Chemical Education, 0, , .	2.3	2
35	The Role of the Nano/Microstructure in the Case of the Photodegradation of Two Model VOC Pollutants Using Commercial TiO ₂ . Energy and Environment Focus, 2015, 4, 226-231.	0.3	1
36	The Nature of Active Sites in the Pd/C-Catalyzed Hydrogenation/Hydrodeoxygenation of Benzaldehyde. Catalysts, 2022, 12, 251.	3.5	1