

Cristiane B Rodella

List of Publications by Year in descending order

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papers

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citations

567281

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#	ARTICLE	IF	CITATIONS
1	Design of Nickel Supported on Water-Tolerant Nb ₂ O ₅ Catalysts for the Hydrotreating of Lignin Streams Obtained from Lignin-First Biorefining. <i>IScience</i> , 2019, 15, 467-488.	4.1	59
2	Physical and chemical studies of tungsten carbide catalysts: effects of Ni promotion and sulphonated carbon. <i>RSC Advances</i> , 2015, 5, 23874-23885.	3.6	56
3	Oxidative reforming of model biogas over NiO@Y ₂ O ₃ @ZrO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 1-12.	20.2	54
4	X-ray powder diffraction at the XRD1 beamline at LNLS. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1501-1506.	2.4	48
5	Structural characterization of the V ₂ O ₅ /TiO ₂ system obtained by the sol-gel method. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 833-839.	4.0	47
6	A thermogravimetric analysis (TGA) method to determine the catalytic conversion of cellulose from carbon-supported hydrogenolysis process. <i>Thermochimica Acta</i> , 2015, 616, 9-13.	2.7	34
7	Niobium pentoxide nanoparticles @ multi-walled carbon nanotubes and activated carbon composite material as electrodes for electrochemical capacitors. <i>Energy Storage Materials</i> , 2019, 22, 311-322.	18.0	34
8	Methane tri-reforming for synthesis gas production using Ni/CeZrO ₂ /MgAl ₂ O ₄ catalysts: Effect of Zr/Ce molar ratio. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8418-8432.	7.1	31
9	Influence of thermal treatment conditions on the characteristics of Cu-based metal oxides derived from hydrotalcite-like compounds and their performance in bio-ethanol dehydrogenation to acetaldehyde. <i>Catalysis Today</i> , 2018, 306, 111-120.	4.4	26
10	Study of nickel, lanthanum and niobium-based catalysts applied in the partial oxidation of methane. <i>Catalysis Today</i> , 2020, 344, 15-23.	4.4	21
11	Surface composition and structural changes on titanium oxide-supported AuPd nanoparticles during CO oxidation. <i>Catalysis Science and Technology</i> , 2017, 7, 1679-1689.	4.1	19
12	V ₂ O ₅ /TiO ₂ Catalyst Xerogels: Method of Preparation and Characterization. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 25, 75-82.	2.4	18
13	Morphological, Structural, and Chemical Properties of Thermally Stable Ni-Nb ₂ O ₅ for Catalytic Applications. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3130-3143.	3.1	18
14	Hybrid Organic-Inorganic Anatase as a Bifunctional Catalyst for Enhanced Production of 5-Hydroxymethylfurfural from Glucose in Water. <i>ChemSusChem</i> , 2018, 11, 872-880.	6.8	17
15	Defect-Engineered MnO ₂ Precursors Control the Structure-Property Relationships in High-Voltage Spinel LiMn _{1.5} Ni _{0.5} O ₄ . <i>ACS Omega</i> , 2021, 6, 25562-25573.	3.5	16
16	Textural and Structural Analyses of Industrial Raney Nickel Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8612-8618.	3.7	15
17	Achieving nano-gold stability through rational design. <i>Chemical Science</i> , 2016, 7, 6815-6823.	7.4	15
18	Chemical and structural characterization of V ₂ O ₅ /TiO ₂ catalysts. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 1158-1163.	2.1	14

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19	Metathesis of methyl oleate over rhenium oxide-based catalysts supported on borated silica-alumina: catalyst recycling. <i>Applied Catalysis A: General</i> , 2004, 274, 213-217.	4.3	14
20	<i>Operando</i> Synchrotron XRD of Bromide Mediated Li_2O Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13123-13131.	8.0	14
21	Microwave irradiation suppresses the Jahn-Teller distortion in Spinel LiMn_2O_4 cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2022, 426, 140786.	5.2	14
22	In Situ Infrared Micro and Nanospectroscopy for Discharge Chemical Composition Investigation of Non-Aqueous Lithium-Air Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2101884.	19.5	13
23	Radially ordered carbon nanotubes performance for Li-O ₂ batteries: Pre-treatment influence on capacity and discharge products. <i>Catalysis Today</i> , 2020, 348, 299-306.	4.4	10
24	Tungsten oxide and carbide composite synthesized by hot filament chemical deposition as electrodes in aqueous-based electrochemical capacitors. <i>Journal of Energy Storage</i> , 2019, 26, 100905.	8.1	9
25	Characterization and catalytic performance of rhenium oxide-based catalysts supported on borated silica-alumina. <i>Applied Catalysis A: General</i> , 2004, 263, 203-211.	4.3	8
26	Alternative route for the synthesis of high surface-area $\gamma\text{-Al}_2\text{O}_3/\text{Nb}_2\text{O}_5$ catalyst from aluminum waste. <i>Materials Chemistry and Physics</i> , 2016, 184, 23-30.	4.0	8
27	Memory Effect on a LDH/zeolite A Composite: An XRD In Situ Study. <i>Materials</i> , 2021, 14, 2102.	2.9	8
28	Germanium and silicon compounds as promoters for $\text{Re}_2\text{O}_7/\text{SiO}_2\text{-Al}_2\text{O}_3$ metathesis catalysts. <i>Journal of Molecular Catalysis A</i> , 2002, 190, 171-176.	4.8	7
29	Promotion effects of Pd on tungsten carbide catalysts: physicochemical properties and cellulose conversion performance. <i>RSC Advances</i> , 2016, 6, 87756-87766.	3.6	7
30	Effect of O ₂ flow in discharge products and performance of Li-O ₂ batteries. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100271.	5.2	7
31	Caracterização textural e estrutural de $\text{V}_2\text{O}_5/\text{TiO}_2$ obtidos via sol-gel: comparação entre secagem convencional e supercrítica. <i>Química Nova</i> , 2002, 25, 209-213.	0.3	6
32	Upgrades to the XRD1 beamline optics and endstation at the LNLS. <i>Journal of Physics: Conference Series</i> , 2014, 493, 012004.	0.4	6
33	Self-Organized Transformation from Hexagonal to Orthorhombic Bronze of CsNbWO Mixed Oxides Prepared Hydrothermally. <i>Crystal Growth and Design</i> , 2017, 17, 6320-6331.	3.0	5
34	<i>In situ</i> and <i>operando</i> x-ray diffraction and x-ray absorption studies of Co_2TiO dry methane reforming catalysts. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 044003.	2.8	5
35	Dispersed single-atom Co and Pd nanoparticles forming a PdCo bimetallic catalyst for CO oxidation. <i>Molecular Catalysis</i> , 2022, 526, 112377.	2.0	3
36	The thermoresponsive behaviour of Nasicon-like $\text{CuTi}_2(\text{PO}_4)_3$. <i>Materials Characterization</i> , 2019, 155, 109795.	4.4	1