

Julio A Pedraza-Avella

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

342
citations

933447

10
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

559
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic reduction of methyl orange on Au/TiO ₂ semiconductors. <i>Catalysis Communications</i> , 2012, 21, 72-76.	3.3	44
2	Effect of Gold Particle Size and Deposition Method on the Photodegradation of 4-Chlorophenol by Au/TiO ₂ . <i>Topics in Catalysis</i> , 2011, 54, 519-526.	2.8	42
3	Photocatalytic oxidation of cyanide on TiO ₂ : An electrochemical approach. <i>Catalysis Today</i> , 2008, 133-135, 611-618.	4.4	32
4	Photoelectrocatalytic phenol oxidation employing nitrogen doped TiO ₂ -rGO films as photoanodes. <i>Catalysis Today</i> , 2020, 341, 96-103.	4.4	29
5	Photophysical and photocatalytic properties of Bi ₂ MnNbO ₇ (M=Al, In, Ga, Fe) thin films prepared by dip-coating. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 174, 196-199.	3.5	25
6	Screening of factors influencing the photocatalytic activity of TiO ₂ :Ln (Ln=La, Ce, Pr, Nd, Sm, Eu and Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.0	25
7	Effect of Chromium Doping on Visible Light Absorption of Nanosized Titania Sol-Gel. <i>Journal of Nano Research</i> , 2009, 5, 95-104.	0.8	24
8	Photocatalytic degradation of methyl orange using Bi ₂ MnNbO ₇ (M=Al, Fe, Ga, In) semiconductor films on stainless steel. <i>Catalysis Today</i> , 2011, 166, 135-139.	4.4	23
9	Photoelectrocatalytic hydrogen production from oilfield-produced wastewater in a filter-press reactor using TiO ₂ -based photoanodes. <i>Catalysis Today</i> , 2016, 266, 17-26.	4.4	21
10	Effect of electrodeposition parameters and surface pretreatment on the electrochemical hydrogen production using nickel-plated stainless steel electrodes. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7667-7675.	7.1	14
11	Mixed oxide semiconductors based on bismuth for photoelectrochemical applications. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1963-1971.	2.5	12
12	Photoelectrochemical Hydrogen Production from Aqueous Solution Containing Cyanide Using Bi ₂ MnNbO ₇ (M = Al, Fe, Ga, In) Films on Stainless Steel as Photoanodes. <i>Topics in Catalysis</i> , 2011, 54, 244-249.	2.8	10
13	Photo-oxidative and photo-reductive capabilities of ilmenite-rich black sand concentrates using methyl orange as a probe molecule. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 912-919.	2.9	9
14	Photoelectrolytic hydrogen production using Bi ₂ MnNbO ₇ (M=Al, Ga) semiconductor film electrodes prepared by dip-coating. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1359-1363.	3.5	7
15	Hydrogen production by photoelectrolysis of aqueous solutions of phenol using mixed oxide semiconductor films of Bi ³⁺ Nb ⁵⁺ O (M=Al, Fe, Ga, In) as photoanodes. <i>Catalysis Today</i> , 2015, 252, 150-156.	4.4	7
16	Photocatalytic hydrogen production using FeTiO ₃ concentrates modified by high energy ball milling and the presence of Mg precursors. <i>Topics in Catalysis</i> , 2021, 64, 2-16.	2.8	7
17	Effect of substrate surface treatment on electrochemically assisted photocatalytic activity of N-S co-doped TiO ₂ films. <i>Journal of Physics: Conference Series</i> , 2017, 786, 012045.	0.4	4
18	Enhanced visible light photoelectrochemical performance of $\hat{1}^2$ -Bi ₂ O ₃ -TiO ₂ /ITO thin films prepared by aqueous sol-gel. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1757-1765.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Photoelectrochemical Performance of S,N-Codoped TiO ₂ Films Supported on Ti and their Enhanced Photoelectrocatalytic Activity in the Generation of Hydroxyl Radicals. Journal of the Electrochemical Society, 2020, 167, 166514.	2.9	2
20	Kinetic Approach by Photocurrent Measurements to the Photoelectrocatalytic Oxidation of an Anionic Surfactant Using an S,N-TiO ₂ /Ti Electrode: Distinguishing Between Direct and Indirect Mechanisms. Topics in Catalysis, 2021, 64, 26-35.	2.8	1