Alberto V Puga

List of Publications by Year
in descending order

37	2,180	304602	345118
papers	citations	22 h-index	36 g-index

39	39	39	3287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic production of hydrogen from biomass-derived feedstocks. Coordination Chemistry Reviews, 2016, 315, 1-66.	9.5	334
2	Complete Photocatalytic Reduction of CO₂ to Methane by H₂ under Solar Light Irradiation. Journal of the American Chemical Society, 2014, 136, 6798-6801.	6.6	247
3	Determination of the Evolution of Heterogeneous Single Metal Atoms and Nanoclusters under Reaction Conditions: Which Are the Working Catalytic Sites?. ACS Catalysis, 2019, 9, 10626-10639.	5.5	197
4	Are Methyl Groups Electron-Donating or Electron-Withdrawing in Boron Clusters? Permethylation ofo-Carborane. Journal of the American Chemical Society, 2005, 127, 10158-10159.	6.6	188
5	Production of H₂ by Ethanol Photoreforming on Au/TiO₂. Advanced Functional Materials, 2014, 24, 241-248.	7.8	105
6	Copper-doped titania photocatalysts for simultaneous reduction of CO2 and production of H2 from aqueous sulfide. Applied Catalysis B: Environmental, 2016, 180, 263-270.	10.8	103
7	Sunlight-assisted hydrogenation of CO 2 into ethanol and C2+ hydrocarbons by sodium-promoted Co@C nanocomposites. Applied Catalysis B: Environmental, 2018, 235, 186-196.	10.8	101
8	Ionic Liquids Containing Boron Cluster Anions. Inorganic Chemistry, 2009, 48, 889-901.	1.9	97
9	On the nature of active phases and sites in CO and CO₂ hydrogenation catalysts. Catalysis Science and Technology, 2018, 8, 5681-5707.	2.1	71
10	Designed Synthesis of New ortho-Carborane Derivatives: from Mono- to Polysubstituted Frameworks. Inorganic Chemistry, 2008, 47, 7309-7316.	1.9	69
11	Carbon dioxide uptake from natural gas by binary ionic liquidâ€“water mixtures. Green Chemistry, 2015, 17, 4340-4354.	4.6	69
12	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. Dalton Transactions, 2012, 41, 8316.	1.6	65
13	Assessment of Photocatalytic Hydrogen Production from Biomass or Wastewaters Depending on the Metal Co-Catalyst and Its Deposition Method on TiO2. Catalysts, 2019, 9, 584.	1.6	48
14	From Monoâ€•to Polyâ€Substituted Frameworks: A Way of Tuning the Acidic Character of C_cï£¿H in oâ€Carborane Derivatives. Chemistry - A European Journal, 2009, 15, 9755-9763.	1.7	43
15	Azepanium ionic liquids. Green Chemistry, 2011, 13, 3137.	4.6	42
16	Iodinated orthoâ€Carboranes as Versatile Building Blocks to Design Intermolecular Interactions in Crystal Lattices. Chemistry - A European Journal, 2009, 15, 9764-9772.	1.7	41
17	New ionic liquids from azepane and 3-methylpiperidine exhibiting wide electrochemical windows. Green Chemistry, 2011, 13, 59-63.	4.6	41
18	Synthesis of quadruped-shaped polyfunctionalized o-carborane synthons. Chemical Communications, 2011, 47, 2252.	2.2	39

#	Article	IF	Citations
19	Light-Promoted Hydrogenation of Carbon Dioxideâ€"An Overview. Topics in Catalysis, 2016, 59, 1268-1278.	1.3	31
20	A solvent-free regioselective iodination route of ortho-carboranes. Dalton Transactions, 2006, , 4884-4885.	1.6	29
21	3-Methylpiperidinium ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 10398-10416.	1.3	27
22	Dual functional ionic liquids as antimicrobials and plasticisers for medical grade PVCs. RSC Advances, 2014, 4, 8567.	1.7	26
23	Optimising hydrogen production via solar acetic acid photoreforming on Cu/TiO₂. Catalysis Science and Technology, 2019, 9, 1098-1102.	2.1	22
24	Nanostructured layered double hydroxides based photocatalysts: Insight on synthesis methods, application in water decontamination/splitting and antibacterial activity. Surfaces and Interfaces, 2021, 25, 101263.	1.5	21
25	Production of polyetheretherketone in ionic liquid media. Green Chemistry, 2013, 15, 1166.	4.6	18
26	Investigations on the Reactivity of Li/Cl Phosphinidenoid Tungsten Complexes toward Various Iodine Compounds. Organometallics, 2009, 28, 6031-6035.	1.1	16
27	ZnOâ€"Al2O3â€"CeO2â€"Ce2O3 mixed metal oxides as a promising photocatalyst for methyl orange photocatalytic degradation. Materials Today Chemistry, 2021, 21, 100495.	1.7	16
28	Efficient Production and Separation of Biodegradable Surfactants from Cellulose in 1â€Butylâ€3â€Methylimidazolium Chloride. ChemSusChem, 2014, 7, 3362-3373.	3.6	14
29	Hydrogenation of CO2 on Nickelâ€"Iron Nanoparticles Under Sunlight Irradiation. Topics in Catalysis, 2018, 61, 1810-1819.	1.3	12
30	Simultaneous H₂ Production and Bleaching via Solar Photoreforming of Model Dyeâ€polluted Wastewaters on Metal/Titania. ChemCatChem, 2021, 13, 1513-1529.	1.8	12
31	High-throughput toxicity screening of novel azepanium and 3-methylpiperidinium ionic liquids. RSC Advances, 2020, 10, 22864-22870.	1.7	11
32	Direct Conversion of Cellulose into Alkyl Glycoside Surfactants. ChemistrySelect, 2017, 2, 2495-2498.	0.7	10
33	Synthesis, structural, spectroscopic and electrochemical studies of carborane substituted naphthyl selenides. Dalton Transactions, 2011, 40, 3402.	1.6	5
34	Dual xanthan gum/poly(vinyl acetate) or alkylâ€functionalized poly(vinyl alcohol) films as models for advanced coatings. Journal of Applied Polymer Science, 2014, 131, .	1.3	5
35	Modeling the Vaporâ€"Liquid Equilibria of Ionic Liquids Containing Perfume Raw Materials. Journal of Chemical & Engineering Data, 2017, 62, 2787-2798.	1.0	4
36	Conference report: Lake Constance turns green. Green Chemistry, 2009, 11, 604.	4.6	0

#	Article	IF	Citations
37	Liquid Systems Based on Tetra(n-butyl)phosphonium Acetate for the Non-dissolving Pretreatment of a Microcrystalline Cellulose (Avicel PH-101). Biomacromolecules, 2022, 23, 1970-1980.	2.6	0