

Miguel-Ángel Gámez-García

List of Publications by Year in descending order

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65
papers

1,299
citations

471061

17
h-index

377514

34
g-index

65
all docs

65
docs citations

65
times ranked

1712
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced adsorption and desorption of Cr(VI) from aqueous solution using hydrous Ce ₂ O ₃ /ZrO ₂ : Isotherm, kinetics and thermodynamic evaluation. Journal of Dispersion Science and Technology, 2021, 42, 2181-2198.	1.3	1
2	Integration of environmental and economic performance of Electro-Coagulation-Anodic Oxidation sequential process for the treatment of soluble coffee industrial effluent. Science of the Total Environment, 2021, 764, 142818.	3.9	8
3	A structured study on the dynamic bifurcation behavior of a continuous ethanol fermentor. Chemical Engineering Science, 2021, 243, 116777.	1.9	0
4	Mineralization of cyanide originating from gold leaching effluent using electro-oxidation: multi-objective optimization and kinetic study. Journal of Applied Electrochemistry, 2020, 50, 217-230.	1.5	13
5	An adaptive WENO algorithm for one-dimensional convection-dominated partial differential equations. Chemical Engineering Science, 2020, 213, 115391.	1.9	1
6	The Origin of Au/Ce _{1-x} Zr _x O ₂ Catalysts' Active Sites in Low-Temperature CO Oxidation. Catalysts, 2020, 10, 1312.	1.6	3
7	Efficient treatment for textile wastewater through sequential electrocoagulation, electrochemical oxidation and adsorption processes: Optimization and toxicity assessment. Journal of Electroanalytical Chemistry, 2020, 878, 114578.	1.9	41
8	Parametric Sensitivity Analysis for the Industrial Case of O-Xylene Oxidation to Phthalic Anhydride in a Packed Bed Catalytic Reactor. Catalysts, 2020, 10, 626.	1.6	0
9	Potassium Nitrate Solubility in (Water + Ethanol) Mixed Solvents at Different Temperatures and Hydrochloric Acid Concentrations. Experimental Study and Modeling Using the Extended UNIQUAC Model. Journal of Chemical & Engineering Data, 2020, 65, 567-576.	1.0	2
10	Optimization and toxicity assessment of a combined electrocoagulation, H ₂ O ₂ /Fe ²⁺ /UV and activated carbon adsorption for textile wastewater treatment. Science of the Total Environment, 2019, 651, 551-560.	3.9	128
11	Optimization of sequential chemical coagulation - electro-oxidation process for the treatment of an industrial textile wastewater. Journal of Water Process Engineering, 2018, 22, 73-79.	2.6	64
12	The electrochemical elimination of coliforms from water using BDD/Ti or graphite anodes: a comparative study. Water Science and Technology: Water Supply, 2018, 18, 408-417.	1.0	2
13	Learning on chemical equilibrium shift assessment for membrane reactors using Gibbs free energy minimization method. Education for Chemical Engineers, 2018, 22, 20-26.	2.8	4
14	Optimization of solar-driven photo-electro-Fenton process for the treatment of textile industrial wastewater. Journal of Water Process Engineering, 2018, 24, 49-55.	2.6	31
15	Coagulation-flocculation sequential with Fenton or Photo-Fenton processes as an alternative for the industrial textile wastewater treatment. Journal of Environmental Management, 2017, 191, 189-197.	3.8	125
16	The study of water + HCl + ethanol vapor-liquid equilibrium at 78 kPa. Journal of Chemical Thermodynamics, 2017, 107, 201-206.	1.0	1
17	Integrated electrocoagulation-electrooxidation process for the treatment of soluble coffee effluent: Optimization of COD degradation and operation time analysis. Journal of Environmental Management, 2017, 200, 530-538.	3.8	48
18	Kinetic study on HCN volatilization in gold leaching tailing ponds. Minerals Engineering, 2017, 110, 185-194.	1.8	12

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19	Thermal safety assessment for catalytic decomposition of hydrogen peroxide by dynamic analysis. <i>Chemical Engineering Research and Design</i> , 2017, 109, 46-54.	2.7	16
20	Experimental assessment and simulation of isoamyl acetate production using a batch pervaporation membrane reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 122, 155-160.	1.8	10
21	Corrigendum to "Coagulation-flocculation sequential with Fenton or Photo-Fenton processes as an alternative for the industrial textile wastewater treatment" [J. Environ. Manag. 191 (2017) 189-197]. <i>Journal of Environmental Management</i> , 2017, 203, 615.	3.8	4
22	The application of dynamic modeling for thermal risks analysis of the acid-catalyzed hydrolysis of glycidol. <i>AIChE Journal</i> , 2016, 62, 4418-4426.	1.8	3
23	Electrochemical Degradation of Acid Yellow 23 by Anodic Oxidation: Optimization of Operating Parameters. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	7
24	Membrane reactors for isoamyl acetate production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 102, 27-36.	1.8	9
25	Vapour-liquid equilibrium and distillation scheme for the hydrochloric acid-ethanol-water ternary mixture. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 2380-2385.	0.9	1
26	Thermal stability and dynamic analysis of the acetic anhydride hydrolysis reaction. <i>Chemical Engineering Science</i> , 2016, 142, 269-276.	1.9	19
27	Dynamic modeling and bifurcation analysis for the methyl isocyanate hydrolysis reaction. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 39, 106-111.	1.7	7
28	Kinetic Study on Sodium Sulfate Synthesis by Reactive Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 2311-2316.	1.8	7
29	Simulation of an industrial adiabatic multi-bed catalytic reactor for sulfur dioxide oxidation using the Maxwell-Stefan model. <i>Chemical Engineering Journal</i> , 2015, 282, 101-107.	6.6	9
30	Study and modelling of kinetics of the oxidation of VOC catalyzed by nanosized Cu-Mn spinels prepared via an alginate route. <i>Applied Catalysis A: General</i> , 2015, 504, 203-210.	2.2	75
31	Combustion synthesis and properties of nanocrystalline zirconium oxide. <i>Comptes Rendus Chimie</i> , 2015, 18, 1094-1105.	0.2	16
32	Interaction parameters and (solid + liquid) equilibria calculation for KCl-H ₂ O-HCl-C ₂ H ₅ OH, K ₂ SO ₄ -H ₂ O-H ₂ SO ₄ and K ₂ SO ₄ -H ₂ O-C ₂ H ₅ OH mixed solvent-electrolyte systems. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 427-434.	1.0	4
33	Decolorization and mineralization of yellow 5 (E102) by UV/Fe ²⁺ /H ₂ O ₂ process. Optimization of the operational conditions by response surface methodology. <i>Comptes Rendus Chimie</i> , 2015, 18, 1152-1160.	0.2	13
34	Transition metal loaded TiO ₂ for phenol photo-degradation. <i>Comptes Rendus Chimie</i> , 2015, 18, 1170-1182.	0.2	16
35	Temperature-Scanning Method for the kinetic studies of CO oxidation over ceria-zirconia supported gold catalysts. <i>Chemical Engineering Journal</i> , 2015, 282, 20-28.	6.6	6
36	Solar and Artificial UV Inactivation of Bacterial Microbes by Ca-alginate Immobilized TiO ₂ Assisted by H ₂ O ₂ Using Fluidized Bed Photoreactors. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	0

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37	Foto-Degradación de Fenol sobre Catalizadores de TiO ₂ y Mo/TiO ₂ : La Metodología de Superficie de Respuesta como Herramienta de Optimización. <i>Informacion Tecnologica (discontinued)</i> , 2014, 25, 02-10.	0.1	1
38	Statistical optimization of industrial textile wastewater treatment by electrochemical methods. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 1421-1430.	1.5	19
39	Hybrid membrane and conventional processes comparison for isoamyl acetate production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 76, 70-82.	1.8	20
40	Sodium sulfate solubility in (water+ethanol) mixed solvents in the presence of hydrochloric acid: Experimental measurements and modeling. <i>Fluid Phase Equilibria</i> , 2014, 384, 106-113.	1.4	16
41	Modeling and simulation of an industrial falling film reactor using the method of lines with adaptive mesh. Study case: Industrial sulfonation of tridecylbenzene. <i>Computers and Chemical Engineering</i> , 2014, 68, 233-241.	2.0	6
42	Degradación y Mineralización de Tartrazina mediante Electro-oxidación: Optimización de las Condiciones de Operación. <i>Informacion Tecnologica (discontinued)</i> , 2014, 25, 163-174.	0.1	1
43	Intensification of isoamyl acetate production: transport properties of silica membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 2377-2386.	1.0	8
44	Kinetic study on the catalytic esterification of acetic acid with isoamyl alcohol over Amberlite IR-120. <i>Chemical Engineering Science</i> , 2013, 101, 755-763.	1.9	32
45	Pervaporation membrane reactor design guidelines for the production of methyl acetate. <i>Desalination and Water Treatment</i> , 2013, 51, 2387-2393.	1.0	6
46	Kinetic study on the homogeneous esterification of acetic acid with isoamyl alcohol. <i>International Journal of Chemical Kinetics</i> , 2013, 45, 10-18.	1.0	17
47	Prediction of acid hydrolysis of lignocellulosic materials in batch and plug flow reactors. <i>Bioresource Technology</i> , 2013, 142, 570-578.	4.8	2
48	Activity model and consistent thermodynamic features for acetic acid-isoamyl alcohol-isoamyl acetate-water reactive system. <i>Fluid Phase Equilibria</i> , 2013, 345, 68-80.	1.4	15
49	Design directions for ethyl lactate synthesis in a pervaporation membrane reactor. <i>Desalination and Water Treatment</i> , 2013, 51, 2394-2401.	1.0	9
50	Decolorization and mineralization of Diarylide Yellow 12 (PY12) by photo-Fenton process: the Response Surface Methodology as the optimization tool. <i>Water Science and Technology</i> , 2012, 65, 1795-1800.	1.2	21
51	Membrane reactor design guidelines for ammonia decomposition. <i>Catalysis Today</i> , 2012, 191, 165-168.	2.2	18
52	Effect of pH, CO ₂ , and High Glucose Concentrations on Polydimethylsiloxane Pervaporation Membranes for Ethanol Removal. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9328-9334.	1.8	23
53	The removal of the trivalent chromium from the leather tannery wastewater: the optimisation of the electro-coagulation process parameters. <i>Water Science and Technology</i> , 2011, 63, 385-394.	1.2	12
54	CO oxidation over Au/CeO ₂ -ZrO ₂ catalysts: The effect of the support composition of the au-support interaction. <i>Kinetics and Catalysis</i> , 2010, 51, 823-827.	0.3	12

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55	The Box-Benkhen experimental design for the optimization of the electrocatalytic treatment of wastewaters with high concentrations of phenol and organic matter. <i>Water Science and Technology</i> , 2009, 60, 2809-2818.	1.2	3
56	Multifactorial optimization of the decolorisation parameters of wastewaters resulting from dyeing flowers. <i>Water Science and Technology</i> , 2009, 59, 1361-1369.	1.2	4
57	Treatment of automotive industry oily wastewater by electrocoagulation: statistical optimization of the operational parameters. <i>Water Science and Technology</i> , 2009, 60, 2581-2588.	1.2	13
58	Multifunctional Catalyst for de-NO _x Processes: The Use of Methanol for the Selective Reduction of NO _x . <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7045-7049.	1.8	5
59	Multifunctional catalyst for de-NO processes: The selective reduction of NO by methane. <i>Catalysis Communications</i> , 2007, 8, 400-404.	1.6	12
60	Multifunctional catalysts for de-NO _x processes: The case of H ₃ PW ₁₂ O ₄₀ ·6H ₂ O-metal supported on mixed oxides. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 151-159.	10.8	17
61	Selective reduction of NO _x by liquid hydrocarbons with supported HPW metal catalysts. <i>Catalysis Today</i> , 2007, 119, 52-58.	2.2	3
62	Storage and reduction of lean NO _x by using H ₃ PW ₁₂ O ₄₀ ·6H ₂ O supported on TixZr1-xO ₄ . <i>Catalysis Today</i> , 2005, 107-108, 60-67.	2.2	6
63	Removal of NO _x from Lean Exhaust Gas by Storage/Reduction on H ₃ PW ₁₂ O ₄₀ ·6H ₂ O Supported on CexZr4-xO ₈ . <i>Environmental Science & Technology</i> , 2005, 39, 638-644.	4.6	18
64	Pollution by nitrogen oxides: an approach to NO _x abatement by using sorbing catalytic materials. <i>Environment International</i> , 2005, 31, 445-467.	4.8	203
65	Efficient hydrogen production by ethanol reforming over Rh catalysts. Effect of addition of Zr on CeO ₂ for the oxidation of CO to CO ₂ . <i>Comptes Rendus Chimie</i> , 2004, 7, 617-622.	0.2	71