Jorge Luis GuzmÃ¡n Mar

List of Publications by Year
in descending order

76 papers	2,631 citations	159525 30 h-index	206029 48 g-index
79 all docs	79 docs citations	79 times ranked	3552 citing authors

#	Article	IF	Citations
1	Enhanced performance of TiO2 doped with aluminum for the photocatalytic degradation of a mixture of plasticizers. Journal of Environmental Chemical Engineering, 2022, 10, 107100.	3.3	8
2	Solar Photocatalysis for Degradation of Pharmaceuticals in Hospital Wastewater: Influence of the Type of Catalyst, Aqueous Matrix, and Toxicity Evaluation. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	9
3	Enhanced Removal of Low Concentrations of Anti-inflammatory Drugs in Water Using Fe-MOF Derived Carbon Treated by Acidic Leaching: Characterization and Performance. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 4204-4215.	1.9	3
4	Occurrence and seasonal distribution of five selected endocrine-disrupting compounds in wastewater treatment plants of the Metropolitan Area of Monterrey, Mexico: The role of water quality parameters. Environmental Pollution, 2021, 269, 116223.	3.7	30
5	Synthesis, characterization, and photocatalytic performance of FeTiO3/ZnO on ciprofloxacin degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 411, 113186.	2.0	14
6	Determination of Pharmaceuticals Discharged in Wastewater from a Public Hospital Using LC-MS/MS Technique. Journal of the Mexican Chemical Society, 2021, 65, .	0.2	8
7	Solar photocatalytic degradation of diclofenac aqueous solution using fluorine doped zinc oxide as catalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112364.	2.0	28
8	Iron metal-organic framework supported in a polymeric membrane for solid-phase extraction of anti-inflammatory drugs. Analytica Chimica Acta, 2020, 1136, 157-167.	2.6	18
9	Different Iron Oxalate Sources as Catalysts on Pyrazinamide Degradation by the Photo-Fenton Process at Different pH Values. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	10
10	Magnetic porous carbons derived from cobalt(<scp>ii</scp>)-based metalâ€“organic frameworks for the solid-phase extraction of sulfonamides. Dalton Transactions, 2020, 49, 8959-8966.	1.6	20
11	Automated SPE-HPLC-UV methodology for the on-line determination of plasticisers in wastewater samples. International Journal of Environmental Analytical Chemistry, 2020, , 1-14.	1.8	10
12	Coupled heterogeneous photocatalysis using a P-TiO2-Î±Fe2O3 catalyst and K2S2O8 for the efficient degradation of a sulfonamide mixture. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112485.	2.0	18
13	Phosphorous-doped TiO2 nanoparticles: synthesis, characterization, and visible photocatalytic evaluation on sulfamethazine degradation. Environmental Science and Pollution Research, 2019, 26, 4180-4191.	2.7	25
14	Performance of Bi2O3/TiO2 prepared by sol-gel on p-Cresol degradation under solar and visible light. Environmental Science and Pollution Research, 2019, 26, 4215-4223.	2.7	13
15	Automated on-line monitoring of the TiO2-based photocatalytic degradation of dimethyl phthalate and diethyl phthalate. Photochemical and Photobiological Sciences, 2019, 18, 863-870.	1.6	18
16	Carbon composite membrane derived from MIL-125-NH2 MOF for the enhanced extraction of emerging pollutants. Chemosphere, 2019, 231, 510-517.	4.2	25
17	A novel P-doped Fe2O3-TiO2 mixed oxide: Synthesis, characterization and photocatalytic activity under visible radiation. Catalysis Today, 2019, 328, 91-98.	2.2	35
18	Cyanide degradation in aqueous solution by heterogeneous photocatalysis using boron-doped zinc oxide. Catalysis Today, 2019, 328, 202-209.	2.2	33

#	Article	IF	Citations
19	Synthesis of Cr³⁺-doped TiO₂ nanoparticles: characterization and evaluation of their visible photocatalytic performance and stability. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		15
20	Air diffusion electrodes based on synthetized mesoporous carbon for application in amoxicillin degradation by electro-Fenton and solar photo electro-Fenton. Electrochimica Acta, 2018, 269, 232-240.	2.6	68
21	Determination of phthalate acid esters plasticizers in polyethylene terephthalate bottles and its correlation with some physicochemical properties. Polymer Testing, 2018, 68, 87-94.	2.3	39
22	Synthesis and photocatalytic activity of ZnO-CuPc for methylene blue and potassium cyanide degradation. Materials Science in Semiconductor Processing, 2018, 77, 74-82.	1.9	35
23	Visible light photocatalytic activity of solâ€“gel Ni-doped TiO2 on p-arsanilic acid degradation. Journal of Sol-Gel Science and Technology, 2018, 85, 723-731.	1.1	32
24	Phthalates in Beverages and Plastic Bottles: Sample Preparation and Determination. Food Analytical Methods, 2018, 11, 48-61.	1.3	28
25	Sulfamethoxazole mineralization by solar photo electro-Fenton process in a pilot plant. Catalysis Today, 2018, 313, 175-181.	2.2	35
26	Optimization of solidâ€phase extraction of parabens and benzophenones in water samples using a combination of Plackettâ€Burman and Boxâ€Behnken designs. Journal of Separation Science, 2018, 41, 4488-4497.	1.3	11
27	Frontispiece: Nanoparticle@Metal-Organic Frameworks as a Template for Hierarchical Porous Carbon Sponges. Chemistry - A European Journal, 2018, 24, .	1.7	0
28	Nanoparticle@Metalâ€Organic Frameworks as a Template for Hierarchical Porous Carbon Sponges. Chemistry - A European Journal, 2018, 24, 13450-13456.	1.7	6
29	Atrazine and 2, 4-D determination in corn samples using microwave assisted extraction and on-line solid-phase extraction coupled to liquid chromatography.. Journal of the Mexican Chemical Society, 2018, 62, .	0.2	5
30	Speciation analysis of organoarsenic compounds in livestock feed by microwave-assisted extraction and high performance liquid chromatography coupled to atomic fluorescence spectrometry. Food Chemistry, 2017, 232, 493-500.	4.2	27
31	Determination of phthalates in bottled water by automated on-line solid phase extraction coupled to liquid chromatography with uv detection. Talanta, 2017, 168, 291-297.	2.9	57
32	Photocatalytic behaviour of WO3/TiO2-N for diclofenac degradation using simulated solar radiation as an activation source. Environmental Science and Pollution Research, 2017, 24, 4613-4624.	2.7	28
33	Photocatalytic elimination of bisphenol A under visible light using Ni-doped TiO 2 synthesized by microwave assisted sol-gel method. Materials Science in Semiconductor Processing, 2017, 71, 275-282.	1.9	47
34	5-Hydroxymethylfurfural catalytic oxidation under mild conditions by Co (II), Fe (III) and Cu (II) Salen complexes supported on SBA-15: Synthesis, characterization and activity. Applied Catalysis A: General, 2017, 547, 132-145.	2.2	54
35	UV and visible activation of Cr(III)-doped TiO2 catalyst prepared by a microwave-assisted solâ€“gel method during MCPA degradation. Environmental Science and Pollution Research, 2017, 24, 12673-12682.	2.7	25
36	An evaluation of the migration of antimony from polyethylene terephthalate (PET) plastic used for bottled drinking water. Science of the Total Environment, 2016, 565, 511-518.	3.9	64

#	Article	IF	Citations
37	Persistent Organic Pollutants and Heavy Metal Concentrations in Soil from the Metropolitan Area of Monterrey, Nuevo Leon, Mexico. Archives of Environmental Contamination and Toxicology, 2016, 70, 452-463.	2.1	26
38	Effect of carbon doping on WO 3 /TiO 2 coupled oxide and its photocatalytic activity on diclofenac degradation. Ceramics International, 2016, 42, 9796-9803.	2.3	53
39	Salicylic acid degradation by advanced oxidation processes. Coupling of solar photoelectro-Fenton and solar heterogeneous photocatalysis. Journal of Hazardous Materials, 2016, 319, 34-42.	6.5	74
40	An evaluation of the bioaccessibility of arsenic in corn and rice samples based on cloud point extraction and hydride generation coupled to atomic fluorescence spectrometry. Food Chemistry, 2016, 204, 475-482.	4.2	31
41	Fe doped TiO 2 photocatalyst for the removal of As(III) under visible radiation and its potential application on the treatment of As-contaminated groundwater. Materials Research Bulletin, 2016, 73, 145-152.	2.7	36
42	Arsenic fractionation in agricultural soil using an automated three-step sequential extraction method coupled to hydride generation-atomic fluorescence spectrometry. Analytica Chimica Acta, 2015, 874, 1-10.	2.6	20
43	Potential of multisyringe chromatography for the on-line monitoring of the photocatalytic degradation of antituberculosis drugs in aqueous solution. Chemosphere, 2015, 121, 68-75.	4.2	20
44	Comparison of the solar photocatalytic activity of ZnO-Fe2O3 and ZnO-Fe0 on 2,4-D degradation in a CPC reactor. Photochemical and Photobiological Sciences, 2015, 14, 543-549.	1.6	42
45	Synthesis of nitrogen-doped ZnO by solâ€"gel method: characterization and its application on visible photocatalytic degradation of 2,4-D and picloram herbicides. Photochemical and Photobiological Sciences, 2015, 14, 536-542.	1.6	81
46	Coupling of solar photoelectro-Fenton with a BDD anode and solar heterogeneous photocatalysis for the mineralization of the herbicide atrazine. Chemosphere, 2014, 97, 26-33.	4.2	70
47	Saline irrigation and Zn amendment effect on Cd phytoavailability to Swiss chard (Beta vulgaris L.) grown on a long-term amended agricultural soil: a human risk assessment. Environmental Science and Pollution Research, 2014, 21, 5909-5916.	2.7	9
48	Evaluation of the transfer of soil arsenic to maize crops in suburban areas of San Luis Potosi, Mexico. Science of the Total Environment, 2014, 497-498, 153-162.	3.9	30
49	Activity of the ZnOâ€"Fe2O3 catalyst on the degradation of Dicamba and 2,4-D herbicides using simulated solar light. Ceramics International, 2014, 40, 8701-8708.	2.3	68
50	Arsenic accumulation in maize crop (Zea mays): A review. Science of the Total Environment, 2014, 488-489, 176-187.	3.9	113
51	Accumulation and arsenic speciation in maize crop (Zea mays) in San Luis PotosÃ; MÃ©xico. Arsenic in the Environment Proceedings, 2014, , 461-463.	0.0	0
52	Photocatalytical removal of inorganic and organic arsenic species from aqueous solution using zinc oxide semiconductor. Photochemical and Photobiological Sciences, 2013, 12, 653-659.	1.6	41
53	On-line monitoring of the photocatalytic degradation of 2,4-D and dicamba using a solid-phase extraction-multisyringe flow injection system. Journal of Environmental Management, 2013, 129, 377-383.	3.8	15
54	Solar photocatalytic activity of TiO2 modified with WO3 on the degradation of an organophosphorus pesticide. Journal of Hazardous Materials, 2013, 263, 36-44.	6.5	163

#	Article	IF	Citations
55	Sensitive determination of chromium (VI) in paint samples using a membrane optode coupled to a multisyringe flow injection system. Talanta, 2012, 99, 730-736.	2.9	15
56	Applicability of multisyringe chromatography coupled to on-line solid-phase extraction to the simultaneous determination of dicamba, 2,4-D, and atrazine. Analytical and Bioanalytical Chemistry, 2012, 403, 2705-2714.	1.9	14
57	Implications of chloride-enhanced cadmium uptake in saline agriculture: modeling cadmium uptake by maize and tobacco. International Journal of Environmental Science and Technology, 2012, 9, 69-77.	1.8	20
58	Contamination and chemical fractionation of heavy metals in street dust from the Metropolitan Area of Monterrey, Mexico. Environmental Technology (United Kingdom), 2011, 32, 1163-1172.	1.2	21
59	Performance of the photo-Fenton process in the degradation of a model azo dye mixture. Photochemical and Photobiological Sciences, 2011, 10, 332-337.	1.6	40
60	Applicability of multisyringe chromatography coupled to cold-vapor atomic fluorescence spectrometry for mercury speciation analysis. Analytica Chimica Acta, 2011, 708, 11-18.	2.6	53
61	A multisyringe flow injection method for the determination of thorium in water samples using spectrophotometric detection. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 67-73.	0.7	6
62	Microwave assisted extraction for mercury speciation analysis. Mikrochimica Acta, 2011, 172, 3-14.	2.5	24
63	Enhancement of cyanide photocatalytic degradation using solâ€“gel ZnO sensitized with cobalt phthalocyanine. Journal of Sol-Gel Science and Technology, 2010, 54, 1-7.	1.1	27
64	Determination of optimum operating parameters for Acid Yellow 36 decolorization by electro-Fenton process using BDD cathode. Chemical Engineering Journal, 2010, 160, 199-206.	6.6	186
65	Evaluating a â€˜biotic ligand modelâ€™ applied to chlorideâ€enhanced Cd uptake byBrassica junceafrom nutrient solution at constant Cd²⁺activity. Environmental Technology (United Kingdom), 2010, 31, 307-318.	1.2	24
66	Decolorization of Synthetic Azo Dyes by Electrochemically Generated â€¢OH Radicals in Acidic Medium using Boron Doped Diamond (BDD) Electrodes. ECS Transactions, 2009, 20, 283-290.	0.3	6
67	Coupled multisyringe flow injection/reactor tank for the spectrophotometric detection of azinphos methyl in water samples. Mikrochimica Acta, 2009, 167, 273-280.	2.5	3
68	Multisyringe flow injection spectrophotometric determination of uranium in water samples. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 433-439.	0.7	10
69	Simultaneous determination of arsenic and selenium species in fish tissues using microwave-assisted enzymatic extraction and ion chromatographyâ€“inductively coupled plasma mass spectrometry. Talanta, 2009, 78, 983-990.	2.9	86
70	Simultaneous Extraction of Arsenic and Selenium Species From Rice Products by Microwave-Assisted Enzymatic Extraction and Analysis by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2009, 57, 3005-3013.	2.4	87
71	Internal correction of spectral interferences and mass bias in ICP-MS using isotope pattern deconvolution: Application to the determination of selenium in biological samples by isotope dilution analysis. Journal of Analytical Atomic Spectrometry, 2008, 23, 579.	1.6	20
72	Optical fiber reflectance sensor coupled to a multisyringe flow injection system for preconcentration and determination of 1-naphthylamine in water samples. Analytica Chimica Acta, 2006, 573-574, 406-412.	2.6	14

#	Article	IF	Citations
73	Selenium bioaccessibility assessment in selenized yeast after â€œin vitroâ€•gastrointestinal digestion using two-dimensional chromatography and mass spectrometry. Journal of Chromatography A, 2006, 1110, 108-116.	1.8	62
74	Multisyringe Flow Injection Analysis for Determination of 1-Naphthylamine in Water Samples. Mikrochimica Acta, 2006, 153, 139-144.	2.5	2
75	Total determination and quantitative speciation analysis of selenium in yeast and wheat flour by isotope dilution analysis ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 1243-1247.	1.6	98
76	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2001, 247, 413-417.	0.7	11