

Ángel G Polanco Rodríguez

List of Publications by Year in descending order

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72
papers

10,030
citations

147566

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91712

69
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all docs

73
docs citations

73
times ranked

13011
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and mechanism of Cr(VI) adsorption and reduction by K_2FeO_4 in presence of Mn(II). <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 918-926.	1.2	3
2	Phase transformation of Cr(VI)-adsorbed ferrihydrite in the presence of Mn(II): Fate of Mn(II) and Cr(VI). <i>Journal of Environmental Sciences</i> , 2022, 113, 251-259.	3.2	15
3	Fate of Cr(VI) during aging of ferrihydrite-humic acid co-precipitates: Comparative studies of structurally incorporated Al(III) and Mn(II). <i>Science of the Total Environment</i> , 2022, 807, 151073.	3.9	13
4	Fate of metal-EDTA complexes during ferrihydrite aging: Interaction of metal-EDTA and iron oxides. <i>Chemosphere</i> , 2022, 291, 132791.	4.2	9
5	Interaction between Se(IV) and fulvic acid and its impact on Se(IV) immobility in ferrihydrite-Se(IV) coprecipitates during aging. <i>Environmental Pollution</i> , 2022, 293, 118552.	3.7	5
6	Insights into the fouling layer of flat-sheet membrane and its development in an integrated oxidation ditch-membrane bioreactor. <i>Bioresource Technology</i> , 2022, 345, 126466.	4.8	1
7	Distribution characteristics of phosphorus-containing substances in a long running aerobic granular sludge-membrane bioreactor with no sludge discharge. <i>Bioresource Technology</i> , 2022, 347, 126694.	4.8	8
8	Rapid granulation of aerobic granular sludge and maintaining its stability by combining the effects of multi-ionic matrix and bio-carrier in a continuous-flow membrane bioreactor. <i>Science of the Total Environment</i> , 2022, 813, 152644.	3.9	17
9	Towards deep purification of secondary textile effluent by using a dynamic membrane process: Pilot-scale verification. <i>Science of the Total Environment</i> , 2022, 814, 152699.	3.9	0
10	Effect of Mn(II) and Phytic Acid on Cr(VI) in the Ferrihydrite-Cr(VI) Co-precipitates: Implication for the Migration Behavior of Cr(VI). <i>ACS ES&T Water</i> , 2022, 2, 1320-1331.	2.3	2
11	Influence of Al(III) and Sb(V) on the transformation of ferrihydrite nanoparticles: Interaction among ferrihydrite, coprecipitated Al(III) and Sb(V). <i>Journal of Hazardous Materials</i> , 2021, 408, 124423.	6.5	34
12	Effects of oxalate and citrate on the behavior and redistribution of Cr(VI) during ferrihydrite-Cr(VI) co-precipitates transformation. <i>Chemosphere</i> , 2021, 266, 128977.	4.2	16
13	Application of Carbon Microsphere Loaded with Magnetite Nanoparticles for the Removal of a Cationic Azo Dye: Efficiency and Mechanism. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	5
14	Migration behavior of Cr(VI) during the transformation of ferrihydrite-Cr(VI) co-precipitates: The interaction between surfactants and co-precipitates. <i>Science of the Total Environment</i> , 2021, 767, 145429.	3.9	10
15	Mn-incorporated ferrihydrite for Cr(VI) immobilization: Adsorption behavior and the fate of Cr(VI) during aging. <i>Journal of Hazardous Materials</i> , 2021, 417, 126073.	6.5	49
16	First Evidence of Glyphosate in American Horseshoe Crab from the Yucatan Peninsula in Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 108, 646.	1.3	0
17	Methods for Determination of Pesticides and Fate of Pesticides in the Fields. , 2020, , 41-58.		1
18	Occurrence, ecotoxicological risks of sulfonamides and their acetylated metabolites in the typical wastewater treatment plants and receiving rivers at the Pearl River Delta. <i>Science of the Total Environment</i> , 2020, 709, 136192.	3.9	48

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19	Promoting the granulation process of aerobic granular sludge in an integrated moving bed biofilm-membrane bioreactor under a continuous-flowing mode. <i>Science of the Total Environment</i> , 2020, 703, 135482.	3.9	30
20	Mobility and transformation of Cr(VI) on the surface of goethite in the presence of oxalic acid and Mn(II). <i>Environmental Science and Pollution Research</i> , 2020, 27, 26115-26124.	2.7	5
21	Exploration of different adsorption performance and mechanisms of core-shell Fe ₃ O ₄ @Ce-Zr oxide composites for Cr(VI) and Sb(III). <i>Journal of Colloid and Interface Science</i> , 2020, 576, 10-20.	5.0	42
22	CTAB-intercalated molybdenum disulfide nanosheets for enhanced simultaneous removal of Cr(VI) and Ni(II) from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2020, 396, 122728.	6.5	38
23	Behaviors and fate of adsorbed Cr(VI) during Fe(II)-induced transformation of ferrihydrite-humic acid co-precipitates. <i>Journal of Hazardous Materials</i> , 2020, 392, 122272.	6.5	41
24	Se(IV) oxidation by ferrate(VI) and subsequent in-situ removal of selenium species with the reduction products of ferrate(VI): performance and mechanism. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 528-536.	0.9	6
25	Incorporating MnFe ₂ O ₄ onto the thiol-functionalized MCM-41 for effective capturing of Sb(III) in aqueous media. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110060.	2.2	36
26	Tracing the occurrence of organophosphate ester along the river flow path and textile wastewater treatment processes by using dissolved organic matters as an indicator. <i>Science of the Total Environment</i> , 2020, 722, 137895.	3.9	23
27	Three-dimensional transfer of Cr(VI) co-precipitated with ferrihydrite containing silicate and its redistribution and retention during aging. <i>Science of the Total Environment</i> , 2019, 696, 133966.	3.9	29
28	Build-up of a continuous flow pre-coated dynamic membrane filter to treat diluted textile wastewater and identify its dynamic membrane fouling. <i>Journal of Environmental Management</i> , 2019, 252, 109647.	3.8	10
29	Removal of chromium(VI) by MnFe ₂ O ₄ and ferrous ion: synergetic effects and reaction mechanism. <i>Environmental Science and Pollution Research</i> , 2019, 26, 30498-30507.	2.7	13
30	Fe-Mn binary oxide decorated diatomite for rapid decolorization of methylene blue with H ₂ O ₂ . <i>Applied Surface Science</i> , 2019, 478, 54-61.	3.1	41
31	Simultaneous removal of chromium(VI) and phosphate from water using easily separable magnetite/pyrite nanocomposite. <i>Journal of Alloys and Compounds</i> , 2019, 803, 118-125.	2.8	25
32	Synergistic effect of mesoporous ferrihydrite nanoparticles and Fe(II) on phosphate immobilization: Adsorption and chemical precipitation. <i>Powder Technology</i> , 2019, 345, 786-795.	2.1	42
33	Behaviors of Structural Fe(II) of Nontronite and Aqueous Fe(II) on Cr(VI) Removal in the Presence of Citrate. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	2
34	Residual micro organic pollutants and their biotoxicity of the effluent from the typical textile wastewater treatment plants at Pearl River Delta. <i>Science of the Total Environment</i> , 2019, 657, 696-703.	3.9	43
35	Selective and sensitive liquid-liquid extraction and spectrophotometric determination of tellurium(IV) using sulfur containing reagent. <i>Chemical Data Collections</i> , 2019, 19, 100173.	1.1	15
36	Rapid reformation of larger aerobic granular sludge in an internal-circulation membrane bioreactor after long-term operation: Effect of short-time aeration. <i>Bioresource Technology</i> , 2019, 273, 462-467.	4.8	18

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37	Impact of pesticides in karst groundwater. Review of recent trends in Yucatan, Mexico. <i>Groundwater for Sustainable Development</i> , 2018, 7, 20-29.	2.3	42
38	Coadsorption and subsequent redox conversion behaviors of As(III) and Cr(VI) on Al-containing ferrihydrite. <i>Environmental Pollution</i> , 2018, 235, 660-669.	3.7	48
39	Insight into the microbial community and its succession of a coupling anaerobic-aerobic biofilm on semi-suspended bio-carriers. <i>Bioresource Technology</i> , 2018, 247, 591-598.	4.8	41
40	Removal of nitrate from water by acid-washed zero-valent iron/ferrous ion/hydrogen peroxide: influencing factors and reaction mechanism. <i>Water Science and Technology</i> , 2018, 77, 525-533.	1.2	8
41	Influence of rainy season and land use on drinking water quality in a karst landscape, State of Yucatán, Mexico. <i>Applied Geochemistry</i> , 2018, 98, 265-277.	1.4	24
42	Heterogeneity of the diverse aerobic sludge granules self-cultivated in a membrane bioreactor with enhanced internal circulation. <i>Bioresource Technology</i> , 2018, 263, 297-305.	4.8	24
43	Coexistence or aggression? Insight into the influence of phosphate on Cr(VI) adsorption onto aluminum-substituted ferrihydrite. <i>Chemosphere</i> , 2018, 212, 408-417.	4.2	23
44	Levels of persistent organic pollutants in breast milk of Maya women in Yucatan, Mexico. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 59.	1.3	36
45	Removal mechanism of selenite by Fe ₃ O ₄ -precipitated mesoporous magnetic carbon microspheres. <i>Journal of Hazardous Materials</i> , 2017, 330, 93-104.	6.5	51
46	Determination of the profile of DO and its mass transferring coefficient in a biofilm reactor packed with semi-suspended bio-carriers. <i>Bioresource Technology</i> , 2017, 241, 54-62.	4.8	40
47	Variation of the characteristics of biofilm on the semi-suspended bio-carrier produced by a 3D printing technique: Investigation of a whole growing cycle. <i>Bioresource Technology</i> , 2017, 244, 40-47.	4.8	23
48	Facile preparation of magnetic mesoporous MnFe ₂ O ₄ @SiO ₂ -CTAB composites for Cr(VI) adsorption and reduction. <i>Environmental Pollution</i> , 2017, 220, 1376-1385.	3.7	96
49	Novel mesoporous FeAl bimetal oxides for As(III) removal: Performance and mechanism. <i>Chemosphere</i> , 2017, 169, 297-307.	4.2	16
50	Monitoring of organochlorine pesticides in blood of women with uterine cervix cancer. <i>Environmental Pollution</i> , 2017, 220, 853-862.	3.7	69
51	La investigación participativa en niños como herramienta en la promoción de la salud para la prevención de la Enfermedad de Chagas en Yucatán, México. <i>Revista Biomedica</i> , 2017, 28, .	0.0	2
52	Essential factors of an integrated moving bed biofilm reactor-membrane bioreactor: Adhesion characteristics and microbial community of the biofilm. <i>Bioresource Technology</i> , 2016, 211, 574-583.	4.8	85
53	Adsorption, oxidation, and reduction behavior of arsenic in the removal of aqueous As(III) by mesoporous Fe/Al bimetallic particles. <i>Water Research</i> , 2016, 96, 22-31.	5.3	135
54	Cr(VI) removal by mesoporous FeOOH polymorphs: performance and mechanism. <i>RSC Advances</i> , 2016, 6, 82118-82130.	1.7	93

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55	Removal of hexavalent chromium from wastewater by acid-washed zero-valent aluminum. <i>Desalination and Water Treatment</i> , 2016, 57, 5592-5600.	1.0	35
56	Removal of selenite by zero-valent iron combined with ultrasound: Se(IV) concentration changes, Se(VI) generation, and reaction mechanism. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 328-336.	3.8	34
57	Removal of Cr(VI) from wastewater by FeOOH supported on Amberlite IR120 resin. <i>Desalination and Water Treatment</i> , 2016, 57, 17767-17773.	1.0	4
58	Studies on the optimum conditions using acid-washed zero-valent iron/aluminum mixtures in permeable reactive barriers for the removal of different heavy metal ions from wastewater. <i>Journal of Hazardous Materials</i> , 2016, 302, 437-446.	6.5	129
59	Risk Perception and Chronic Exposure to Organochlorine Pesticides in Maya Communities of Mexico. <i>Human and Ecological Risk Assessment (HERA)</i> , 2015, 21, 1960-1979.	1.7	9
60	Distribution and mass transfer of dissolved oxygen in a multi-habitat membrane bioreactor. <i>Bioresource Technology</i> , 2015, 182, 323-328.	4.8	19
61	Fe/Al bimetallic particles for the fast and highly efficient removal of Cr(VI) over a wide pH range: Performance and mechanism. <i>Journal of Hazardous Materials</i> , 2015, 298, 261-269.	6.5	101
62	Synthesis and use of bimetals and bimetal oxides in contaminants removal from water: a review. <i>RSC Advances</i> , 2015, 5, 85395-85409.	1.7	54
63	Removal of Cr(VI) from wastewater using acid-washed zero-valent iron catalyzed by polyoxometalate under acid conditions: Efficacy, reaction mechanism and influencing factors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 177-181.	2.7	9
64	The use of zero-valent iron for groundwater remediation and wastewater treatment: A review. <i>Journal of Hazardous Materials</i> , 2014, 267, 194-205.	6.5	1,301
65	Biodiversity and succession of microbial community in a multi-habitat membrane bioreactor. <i>Bioresource Technology</i> , 2014, 164, 354-361.	4.8	21
66	A new insight into resource recovery of excess sewage sludge: Feasibility of extracting mixed amino acids as an environment-friendly corrosion inhibitor for industrial pickling. <i>Journal of Hazardous Materials</i> , 2014, 279, 38-45.	6.5	44
67	Chromium removal using resin supported nanoscale zero-valent iron. <i>Journal of Environmental Management</i> , 2013, 128, 822-827.	3.8	133
68	Removal of Cr(VI) from wastewater by supported nanoscale zero-valent iron on granular activated carbon. <i>Desalination and Water Treatment</i> , 2013, 51, 2680-2686.	1.0	18
69	Removal of heavy metal ions from wastewaters: A review. <i>Journal of Environmental Management</i> , 2011, 92, 407-418.	3.8	6,428
70	Degradation of Ni(II)-EDTA complex by Fenton reaction and ultrasonic treatment for the removal of Ni ²⁺ ions. <i>Environmental Chemistry Letters</i> , 2010, 8, 317-322.	8.3	32
71	Effective degradation of C.I. Acid Red 73 by advanced Fenton process. <i>Journal of Hazardous Materials</i> , 2010, 174, 17-22.	6.5	107
72	Insights on Pb(II) retention and immobilization by ferrihydrite in the presence of Al(III) and oxalic acid. <i>Environmental Science: Nano</i> , 0, , .	2.2	0