

Antonio Paz González

List of Publications by Year in descending order

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111
papers

1,944
citations

279798

23
h-index

302126

39
g-index

113
all docs

113
docs citations

113
times ranked

2079
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifractal and joint multifractal analysis of soil micronutrients extracted by two methods along a transect in a coarse textured soil. <i>European Journal of Soil Science</i> , 2021, 72, 608-622.	3.9	3
2	Aggregation and dynamics of soil organic matter under different management systems in the Brazilian Cerrado. <i>Soil Research</i> , 2021, 59, 715-726.	1.1	7
3	Comparing multifractal characteristics of soil particle size distributions calculated by Mie and Fraunhofer models from laser diffraction measurements. <i>Applied Mathematical Modelling</i> , 2021, 94, 36-48.	4.2	7
4	Long-Term Concentrations and Loads of Four Dissolved Macronutrients from Two Agroforestry Catchments in NW Spain. <i>Hydrology</i> , 2021, 8, 96.	3.0	1
5	Multifractal and joint multifractal description of available nutrients concentrations extracted by two methods along short transects. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 236-249.	2.6	2
6	What is the impact of pasture reform on organic carbon compartments and CO ₂ emissions in the Brazilian Cerrado?. <i>Catena</i> , 2020, 194, 104702.	5.0	11
7	Ecosystem Services and Economic Assessment of Land Uses in Urban and Periurban Areas. <i>Environmental Management</i> , 2020, 65, 355-368.	2.7	6
8	PEDOTRANSFER FUNCTION TO ESTIMATE THE SOIL STRUCTURAL INDEX AND SPATIAL VARIABILITY IN AN OXISOL WITHIN A LIVESTOCK FARMING SYSTEM. <i>Engenharia Agricola</i> , 2020, 40, 34-44.	0.7	4
9	Sistemas de manejo e qualidade do solo na produção de soja no cerrado de baixa altitude. <i>Research, Society and Development</i> , 2020, 9, .	0.1	0
10	Reforested soil under drip irrigation with treated wastewater from poultry slaughterhouse. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2019, 23, 439-445.	1.1	0
11	Variabilidad de ¹³ C y ¹⁵ N en suelo y hojarasca de cacao en El Oro, Ecuador. <i>Terra Latinoamericana</i> , 2019, 37, 131.	0.3	0
12	Edaphic forms of phosphorus in no-tillage cropping sequences in the Argentine southern central Pampas. <i>Geoderma</i> , 2018, 323, 107-115.	5.1	2
13	Combining global and local scaling methods to detect soil pore space. <i>Journal of Geochemical Exploration</i> , 2018, 189, 72-84.	3.2	5
14	Multifractal and joint multifractal analysis of general soil properties and altitude along a transect. <i>Biosystems Engineering</i> , 2018, 168, 105-120.	4.3	20
15	Effects of machinery trafficking in an agricultural soil assessed by Electrical Resistivity Tomography (ERT). <i>Open Agriculture</i> , 2018, 3, 378-385.	1.7	9
16	Indicadores de sostenibilidad sociales y económicos: Caso productores de cacao en El Oro, Ecuador. // Indicators of sustainability social and economic: Case cocoa farmers of El Oro, Ecuador.. <i>Ciencia UNEMI</i> , 2018, 11, 20-29.	0.1	5
17	Estimating soil organic matter using interpolation methods with a electromagnetic induction sensor and topographic parameters: a case study in a humid region. <i>Precision Agriculture</i> , 2017, 18, 882-897.	6.0	14
18	Evaluation of soil degradation produced by rice crop systems in a Vertisol, using a soil quality index. <i>Catena</i> , 2017, 150, 79-86.	5.0	54

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19	Mapping Soil Texture Using Geostatistical Interpolation Combined With Electromagnetic Induction Measurements. <i>Soil Science</i> , 2017, 182, 278-284.	0.9	7
20	Depth distribution of soil organic carbon in an Oxisol under different land uses: Stratification indices and multifractal analysis. <i>Geoderma</i> , 2017, 287, 126-134.	5.1	21
21	Comparing effects of tillage treatments performed with animal traction on soil physical properties and soil electrical resistivity: preliminary experimental results. <i>Open Agriculture</i> , 2017, 2, 317-328.	1.7	7
22	Soil fauna: Bioindicator of soil recovery in Brazilian savannah. <i>Revista Brasileira de Ciencias Agrarias</i> , 2017, 12, 236-243.	0.2	2
23	Horizontes diagnósticos superficiais de Cambissolos e uso de ^{13}C como atributo complementar na classificação de solos. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 1339-1348.	0.9	2
24	Spatial soil sampling design using apparent soil electrical conductivity measurements. <i>Bragantia</i> , 2016, 75, 459-473.	1.3	4
25	Multifractal Analysis of Vertical Profiles of Soil Penetration Resistance at Varying Water Contents. <i>Vadose Zone Journal</i> , 2016, 15, 1-10.	2.2	12
26	Effects on the composition and structural properties of the humified organic matter of soil in sugarcane strawburning: A chronosequence study in the Brazilian Cerrado of Goiás State. <i>Agriculture, Ecosystems and Environment</i> , 2016, 216, 34-43.	5.3	14
27	PRODUÇÃO E DEPOSIÇÃO DE SEDIMENTOS EM UMA SUB-BACIA HIDROGRÁFICA COM SOLOS SUSCETÍVEIS À EROSIÃO. <i>Irriga</i> , 2016, 21, 284.	0.1	4
28	Estoque de C e Abundância Natural de ^{13}C em Razão da Conversão de Áreas de Floresta e Pastagem em Bioma Mata Atlântica. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015, 39, 1643-1660.	1.3	10
29	Statistical Methods for Evaluating Results from Soil Micronutrient Analyses in Interlaboratory Programs. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 57-71.	1.4	6
30	Crop Residue Effects on Total and Dissolved Losses of Fe, Mn, Cu, and Zn by Runoff. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 272-282.	1.4	3
31	Morfología de la capa de azúcar en la preparación profunda del suelo en canteros. <i>Idesia</i> , 2015, 33, 23-29.	0.3	1
32	Impacts of Land Use Changes on Soil Properties and Processes. <i>Scientific World Journal</i> , The, 2014, 2014, 1-2.	2.1	10
33	Erosivity of rainfall in Lages, Santa Catarina, Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2014, 38, 1890-1905.	1.3	27
34	Erodibilidade de um Cambissolo Hêmico sob chuva natural. <i>Revista Brasileira De Ciencia Do Solo</i> , 2014, 38, 1906-1917.	1.3	11
35	Comparison of Methods to Quantify Organic Carbon in Soil Samples from São Paulo State, Brazil. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 429-439.	1.4	17
36	Assessment of Solar Irradiation Models in A Coruña by Multifractal Analysis. <i>Vadose Zone Journal</i> , 2013, 12, 1-10.	2.2	5

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37	Fator de influência em cronosequência de cana-de-açúcar queimada no cerrado goiano: análise de ácidos húmicos por RMN de ³¹ P. <i>Química Nova</i> , 2013, 36, 1126-1130.	0.3	2
38	Multifractal Analysis of Nitrogen Adsorption Isotherms Obtained from Organoclays Exposed to Different Temperatures. <i>Vadose Zone Journal</i> , 2013, 12, 1-13.	2.2	6
39	Multifractal Analysis of Soil Properties along Two Perpendicular Transects. <i>Vadose Zone Journal</i> , 2013, 12, 1-13.	2.2	20
40	Correlação entre produção de feijão e atributos físicos de um Latossolo em Mato Grosso do Sul. <i>Revista Ceres</i> , 2013, 60, 772-784.	0.4	7
41	Water erosion in no-tillage monoculture and intercropped systems along contour lines. <i>Revista Brasileira De Ciencia Do Solo</i> , 2013, 37, 521-528.	1.3	7
42	Relations between the yield of bean (<i>Phaseolus vulgaris</i> L.) and chemical attributes of an Acrustox under no-tillage. <i>Journal of Soil Science and Plant Nutrition</i> , 2013, , 0-0.	3.4	2
43	Crop Residue Effects on Calcium, Magnesium, Potassium, and Sodium Runoff Losses from a Soil Prone to Crusting. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 315-323.	1.4	8
44	Fractal Description of the Spatial and Temporal Variability of Soil Water Content Across an Agricultural Field. <i>Soil Science</i> , 2012, 177, 131-138.	0.9	8
45	Data quality assessment and monthly stability of ground solar radiation in Galicia (NW Spain). <i>Solar Energy</i> , 2012, 86, 3499-3511.	6.1	8
46	Reavaliação dos critérios constantes na legislação brasileira para análises de substratos. <i>Bragantia</i> , 2012, 71, 106-111.	1.3	4
47	Improving collected rainwater quality in rural communities. <i>Water Science and Technology</i> , 2011, 63, 2395-2402.	2.5	2
48	Shadow analysis of soil surface roughness compared to the chain set method and direct measurement of micro-relief. <i>Biogeosciences</i> , 2010, 7, 2477-2487.	3.3	23
49	Detrending non stationary data for geostatistical applications. <i>Bragantia</i> , 2010, 69, 01-08.	1.3	28
50	Jack knifing for semivariogram validation. <i>Bragantia</i> , 2010, 69, 97-105.	1.3	41
51	Alterations and spatial variability of soil fertility in successive years under no tillage system. <i>Bragantia</i> , 2010, 69, 29-38.	1.3	2
52	Spatial variability of soil penetration resistance influenced by season of sampling. <i>Bragantia</i> , 2010, 69, 163-173.	1.3	12
53	Variabilidade espacial e temporal do teor de água do solo sob duas formas de uso. <i>Bragantia</i> , 2010, 69, 181-190.	1.3	9
54	Sedimentos transportados pela enxurrada em eventos de erosão hídrica em um Nitossolo Háplico. <i>Revista Brasileira De Ciencia Do Solo</i> , 2010, 34, 245-252.	1.3	8

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55	Crecimiento en clavel estándar cv. Nelson, en suelo y en sustratos. <i>Bragantia</i> , 2010, 69, 1-8.	1.3	8
56	Using geostatistics for assessing biodiversity of forest reserve areas. <i>Bragantia</i> , 2010, 69, 131-140.	1.3	3
57	Fractal dimension and geostatistical parameters for soil microrelief as a function of cumulative precipitation. <i>Scientia Agricola</i> , 2010, 67, 78-83.	1.2	11
58	Sediment transport in runoff on rugous soil surface submitted to simulated rainfall. <i>Scientia Agricola</i> , 2010, 67, 591-597.	1.2	6
59	Geostatistical analysis of microrelief of an oxisol as a function of tillage and cumulative rainfall. <i>Scientia Agricola</i> , 2009, 66, 225-232.	1.2	9
60	Crop Residue Effects on Organic Carbon, Nitrogen, and Phosphorus Concentrations and Loads in Runoff Water. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 200-213.	1.4	17
61	Phosphorus Contents and Loads at the Outlet of an Agroforestry Catchment in Northwestern Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 660-671.	1.4	9
62	Concentrated flow erosion as a main source of sediments in Galicia, Spain. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 2087-2095.	2.5	9
63	Soil erosion under simulated rainfall in relation to phenological stages of soybeans and tillage methods in Lages, SC, Brazil. <i>Soil and Tillage Research</i> , 2009, 103, 216-221.	5.6	47
64	Directional Wavelets and a Wavelet Variogram for Two-Dimensional Data. <i>Mathematical Geosciences</i> , 2009, 41, 611-641.	2.4	7
65	The effects of applied crop residues on losses of Fe, Mn, Cu and Zn in runoff from a soil prone to crusting. <i>Soil Use and Management</i> , 2009, 25, 193-200.	4.9	6
66	Phosphorus losses in water and sediments in runoff of the water erosion in oat and vetch crops seed in contour and downhill. <i>Soil and Tillage Research</i> , 2009, 106, 22-28.	5.6	43
67	Soil structure changes: aggregate size and soil texture effects on hydraulic conductivity under different saline and sodic conditions. <i>Soil Research</i> , 2009, 47, 688.	1.1	77
68	Graph theory defining non-local dependency of rainfall in Northeast Brazil. <i>Ecological Complexity</i> , 2009, 6, 272-277.	2.9	6
69	Consistency analysis of pluviometric information in Galicia (NW Spain). <i>Atmospheric Research</i> , 2009, 94, 629-640.	4.1	17
70	Teor de nitrogênio solúvel na água de erosão hídrica em cultura de aveia e ervilhaca em três formas de semeadura. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 439-446.	1.3	5
71	Multifractal Analysis of Pore Size Distributions as Affected by Simulated Rainfall. <i>Vadose Zone Journal</i> , 2008, 7, 500-511.	2.2	71
72	Recuperação de um solo degradado com a aplicação de adubos verdes e lodo de esgoto. <i>Revista Brasileira De Ciencia Do Solo</i> , 2008, 32, 405-416.	1.3	36

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73	Efeito de escarificação e da erosividade de chuvas sobre algumas variáveis de valores de erosão hídrica em sistemas de manejo de um nitossolo hídrico. Revista Brasileira De Ciencia Do Solo, 2008, 32, 747-757.	1.3	17
74	Describing soil surface microrelief by crossover length and fractal dimension. Nonlinear Processes in Geophysics, 2007, 14, 223-235.	1.3	27
75	Pb-phytoextraction by maize in a Pb-EDTA treated Oxisol. Scientia Agricola, 2007, 64, 52-60.	1.2	28
76	Rugosidade superficial do solo sob diferentes doses de resíduo de milho submetido à chuva simulada. Pesquisa Agropecuaria Brasileira, 2007, 42, 103-110.	0.9	10
77	Erodibilidade de um nitossolo hídrico alumínico determinada em condições de campo. Revista Brasileira De Ciencia Do Solo, 2007, 31, 541-549.	1.3	13
78	Quest of Water Extract Analysis of Micronutrients in Soilless Organic Substrates. Communications in Soil Science and Plant Analysis, 2006, 37, 2327-2338.	1.4	3
79	Effect of tillage on fractal indices describing soil surface microrelief of a Brazilian Alfisol. Geoderma, 2006, 134, 428-439.	5.1	27
80	Multifractal characterization of saprolite particle-size distributions after topsoil removal. Geoderma, 2006, 134, 373-385.	5.1	71
81	Relações da rugosidade superficial do solo com o volume de chuva e com a estabilidade de agregados em água. Revista Brasileira De Ciencia Do Solo, 2006, 30, 543-553.	1.3	27
82	Parâmetros relacionados com a erosão hídrica sob taxa constante da enxurrada, em diferentes métodos de preparo do solo. Revista Brasileira De Ciencia Do Solo, 2006, 30, 715-722.	1.3	7
83	Influence of Biosolids Rate on Chemical Properties of an Oxisol in São Paulo, Brazil. Communications in Soil Science and Plant Analysis, 2006, 37, 2481-2493.	1.4	6
84	Heavy Metal Losses from an Agroforestry Catchment. Communications in Soil Science and Plant Analysis, 2006, 37, 2745-2750.	1.4	6
85	Air quality, particulate matter, and geographic characterization in a potential asthma prone region of eastern central Puerto Rico. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	0
86	Characterizing anisotropy and heterogeneity of soil surface microtopography using fractal models. Ecological Modelling, 2005, 182, 337-353.	2.5	100
87	Routine soil testing to monitor heavy metals and boron. Scientia Agricola, 2005, 62, 564-571.	1.2	45
88	Assessing the Spatial Uncertainty of Mapping Trace Elements in Cultivated Fields. Communications in Soil Science and Plant Analysis, 2005, 36, 253-274.	1.4	17
89	Total and Extractable Nickel and Cadmium Contents in Natural Soils. Communications in Soil Science and Plant Analysis, 2005, 36, 241-252.	1.4	15
90	Trace Elements Extracted by DTPA and Mehlich-3 from Agricultural Soils with and without Compost Additions. Communications in Soil Science and Plant Analysis, 2005, 36, 717-727.	1.4	34

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91	Soil tillage, water erosion, and calcium, magnesium and organic carbon losses. <i>Scientia Agricola</i> , 2005, 62, 578-584.	1.2	20
92	Organic Matter and Aggregate Size Interactions in Saturated Hydraulic Conductivity. <i>Soil Science Society of America Journal</i> , 2004, 68, 234-242.	2.2	132
93	Temporal and spatial persistence in rainfall records from Northeast Brazil and Galicia (Spain). <i>Theoretical and Applied Climatology</i> , 2004, 77, 113-121.	2.8	10
94	Ephemeral gully erosion in northwestern Spain. <i>Catena</i> , 2003, 50, 199-216.	5.0	65
95	Analysis of the spatial variability of crop yield and soil properties in small agricultural plots. <i>Bragantia</i> , 2003, 62, 127-138.	1.3	67
96	NUTRIENT STATUS ON AN ACID SOIL AS AFFECTED BY LIME AMENDMENTS AFTER FLOODING. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 3007-3014.	1.4	4
97	DTPA AND MEHLICH-3 MICRONUTRIENT EXTRACTABILITY IN NATURAL SOILS. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 2879-2893.	1.4	35
98	EFFICIENCY OF MULTINUTRIENT EXTRACTANTS FOR THE DETERMINING OF AVAILABLE ZINC IN SOILS. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 3313-3324.	1.4	25
99	EFICACIA DE CUATRO EXTRACTANTES EN LA EVALUACIÓN DE LA DISPONIBILIDAD DE COBRE PARA MAÍZ Y SOJA. <i>Bragantia</i> , 2001, 60, 205-212.	1.3	6
100	Lattice model for approximate self-affine soil profiles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 64-70.	2.6	1
101	Geostatistical analysis of heavy metals in a one-hectare plot under natural vegetation in a serpentine area. <i>Canadian Journal of Soil Science</i> , 2001, 81, 469-479.	1.2	41
102	Data presentation, interpretation, and communication. <i>Communications in Soil Science and Plant Analysis</i> , 2000, 31, 2135-2146.	1.4	5
103	Variabilidade espacial da rugosidade superficial do solo medida com rugosímetros de agulhas e laser. <i>Bragantia</i> , 2000, 59, 227-234.	1.3	7
104	Levels of Heavy metals (Co, Cu, Cr, Ni, Pb, and Zn) in agricultural soils of Northwest Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2000, 31, 1773-1783.	1.4	17
105	The effect of cultivation on the spatial variability of selected properties of an umbric horizon. <i>Geoderma</i> , 2000, 97, 273-292.	5.1	140
106	Soil water regime under pasture in the humid zone of Spain: Validation of an empirical model and prediction of irrigation requirements. <i>Agricultural Water Management</i> , 1996, 29, 147-161.	5.6	12
107	Organic phosphorus fractions in soil chronosequence of cane sugar in burnt savannah goiano. <i>Bioscience Journal</i> , 0, , 436-445.	0.4	4
108	Avaliação das características físicas do solo da área da mata da galeria na sub-bacia hidrográfica da Mariana para a conservação ambiental. <i>Cadernos Do Laboratorio Xeoloxico De Laxe</i> , 0, 37, 125-137.	0.0	0

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109	Assessment of the spatial variability of soil chemical properties along a transect using multifractal analysis. <i>Cadernos Do Laboratorio Xeoloxico De Laxe</i> , 0, 38, 11-24.	0.0	2
110	Determinación de campos areales de precipitación y evapotranspiración en la margen izquierda de la cuenca del Paraná; en territorio de Argentina. I: polígonos de Thiessen y kriging. <i>Cadernos Do Laboratorio Xeoloxico De Laxe</i> , 0, 41, 75-97.	0.0	1
111	Niveles de Cd, Cr, Ni y Pb extraídos mediante Mehlich-3 y DTPA en un suelo agrícola sobre sedimentos cuaternarios. <i>Cadernos Do Laboratorio Xeoloxico De Laxe</i> , 0, 41, 47-58.	0.0	0