Tales Tiecher

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98 papers	1,406 citations	20 h-index	32 g-index
105 ext. papers	1,934 ext. citations	3.8 avg, IF	4.86 L-index

#	Paper	IF	Citations
98	Iron oxides and organic matter on soil phosphorus availability. *Ciencia E Agrotecnologia*, **2016**, 40, 369-379	0.6	129
97	Occurrence of iron and aluminum sesquioxides and their implications for the P sorption in subtropical soils. *Applied Clay Science*, **2015**, 104, 196-204	5.2	63
96	High carbon storage in a previously degraded subtropical soil under no-tillage with legume cover crops. *Agriculture, Ecosystems and Environment*, **2018**, 268, 15-23	5.7	51
95	Soil organic phosphorus forms under different soil management systems and winter crops, in a long term experiment. *Soil and Tillage Research*, **2012**, 124, 57-67	6.5	49
94	Tolerance and translocation of heavy metals in young grapevine (Vitis vinifera) grown in sandy acidic soil with interaction of high doses of copper and zinc. *Scientia Horticulturae*, **2017**, 222, 203-212	4.1	46
93	Sediment source fingerprinting: benchmarking recent outputs, remaining challenges and emerging themes. *Journal of Soils and Sediments*, **2020**, 20, 4160-4193	3.4	46
92	Accumulation of phosphorus fractions in typic Hapludalf soil after long-term application of pig slurry and deep pig litter in a no-tillage system. *Nutrient Cycling in Agroecosystems*, **2012**, 93, 215-225	3.3	45
91	Long-term effect of different soil management systems and winter crops on soil acidity and vertical distribution of nutrients in a Brazilian Oxisol. *Soil and Tillage Research*, **2013**, 133, 32-39	6.5	45
90	The potential of Zea mays L. in remediating copper and zinc contaminated soils for grapevine production. *Geoderma*, **2016**, 262, 52-61	6.7	42
89	Soil fertility and nutrient budget after 23-years of different soil tillage systems and winter cover crops in a subtropical Oxisol. *Geoderma*, **2017**, 308, 78-85	6.7	41
88	Forms of inorganic phosphorus in soil under different long term soil tillage systems and winter crops. *Revista Brasileira De Ciencia Do Solo*, **2012**, 36, 271-282	1.5	39
87	Quantifying land use contributions to suspended sediment in a large cultivated catchment of Southern Brazil (Guapor'River, Rio Grande do Sul). *Agriculture, Ecosystems and Environment*, **2017**, 237, 95-108	5.7	38
86	Combining visible-based-color parameters and geochemical tracers to improve sediment source discrimination and apportionment. *Science of the Total Environment*, **2015**, 527-528, 135-49	10.2	37
85	Residual effect of surface-applied lime on soil acidity properties in a long-term experiment under no-till in a Southern Brazilian sandy Ultisol. *Geoderma*, **2018**, 313, 7-16	6.7	34
84	Phosphorus accumulation and pollution potential in a hapludult fertilized with pig manure. *Revista Brasileira De Ciencia Do Solo*, **2012**, 36, 1333-1342	1.5	29
83	"Modern agriculture" transfers many pesticides to watercourses: a case study of a representative rural catchment of southern Brazil. *Environmental Science and Pollution Research*, **2020**, 27, 10581-10598	5.1	28
82	Physiological and nutritional status of black oat (Avena strigosa Schreb.) grown in soil with interaction of high doses of copper and zinc. *Plant Physiology and Biochemistry*, **2016**, 106, 253-63	5.4	26

81	Long-term effect of surface and incorporated liming in the conversion of natural grassland to no-till system for grain production in a highly acidic sandy-loam Ultisol from South Brazilian Campos. *Soil and Tillage Research*, **2018**, 180, 222-231	6.5	22
80	Effects of zinc addition to a copper-contaminated vineyard soil on sorption of Zn by soil and plant physiological responses. *Ecotoxicology and Environmental Safety*, **2016**, 129, 109-19	7	22
79	Soil acidification and P, K, Ca and Mg budget as affected by sheep grazing and crop rotation in a long-term integrated crop-livestock system in southern Brazil. *Geoderma*, **2019**, 351, 197-208	6.7	21
78	Tracing sediment sources in a subtropical rural catchment of southern Brazil by using geochemical tracers and near-infrared spectroscopy. *Soil and Tillage Research*, **2016**, 155, 478-491	6.5	20
77	Effect of gypsum rates and lime with different reactivity on soil acidity and crop grain yields in a subtropical Oxisol under no-tillage. *Soil and Tillage Research*, **2019**, 193, 27-41	6.5	20
76	Fingerprinting sediment sources in a large agricultural catchment under no-tillage in Southern Brazil (Conceiõ River). *Land Degradation and Development*, **2018**, 29, 939-951	4.4	19
75	The interaction of high copper and zinc doses in acid soil changes the physiological state and development of the root system in young grapevines (Vitis vinifera). *Ecotoxicology and Environmental Safety*, **2018**, 148, 985-994	7	19
74	Tracing Sediment Sources in a Subtropical Agricultural Catchment of Southern Brazil Cultivated With Conventional and Conservation Farming Practices. *Land Degradation and Development*, **2017**, 28, 1426-1436	4.4	19
73	Crop Response to Gypsum Application to Subtropical Soils Under No-Till in Brazil: a Systematic Review. *Revista Brasileira De Ciencia Do Solo*, **2018**, 42,	1.5	19
72	Phosphorus distribution after three decades of different soil management and cover crops in subtropical region. *Soil and Tillage Research*, **2019**, 192, 33-41	6.5	18
71	Phosphorus dynamics during storm events in a subtropical rural catchment in southern Brazil. *Agriculture, Ecosystems and Environment*, **2018**, 261, 93-102	5.7	18
70	Assessing linkage between soil phosphorus forms in contrasting tillage systems by path analysis. *Soil and Tillage Research*, **2018**, 175, 276-280	6.5	18
69	Contribuiõ das fontes de sedimentos em uma bacia hidrogrfica agrcola sob plantio direto. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 639-649	1.5	15
68	Potential of phosphorus fractions to trace sediment sources in a rural catchment of Southern Brazil: Comparison with the conventional approach based on elemental geochemistry. *Geoderma*, **2019**, 337, 1067-1076	6.7	14
67	Crop Yield Responses to Sulfur Fertilization in Brazilian No-Till Soils: a Systematic Review. *Revista Brasileira De Ciencia Do Solo*, **2019**, 43,	1.5	13
66	Tracing Sediment Sources Using Mid-infrared Spectroscopy in Arvorezinha Catchment, Southern Brazil. *Land Degradation and Development*, **2017**, 28, 1603-1614	4.4	12
65	Using spectrocolourimetry to trace sediment source dynamics in coastal catchments draining the main Fukushima radioactive pollution plume (2011â2017). *Journal of Soils and Sediments*, **2019**, 19, 3290-3301	3.4	11
64	Does gypsum increase crop grain yield on no-tilled acid soils? A meta-analysis. *Agronomy Journal*, **2020**, 112, 675-692	2.2	11

63	Quantification of sediment source contributions in two paired catchments of the Brazilian Pampa using conventional and alternative fingerprinting approaches. *Hydrological Processes*, **2020**, 34, 2965-2986	3.3	11
62	Tracing sediment sources in two paired agricultural catchments with different riparian forest and wetland proportion in southern Brazil. *Geoderma*, **2017**, 285, 225-239	6.7	11
61	Animal manure phosphorus characterization by sequential chemical fractionation, release kinetics and 31P-NMR analysis. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 1506-1514	1.5	11
60	Resposta de culturas e disponibilidade de enxofre em solos com diferentes teores de argila e matria orgnica submetidos adubao sulfatada. *Bragantia*, **2012**, 71, 518-527	1.2	11
59	Sediment pollution in margins of the Lake Guaba, Southern Brazil. *Environmental Monitoring and Assessment*, **2017**, 190, 3	3.1	10
58	Phosphorus fractions in sandy soils of vineyards in southern Brazil. *Revista Brasileira De Ciencia Do Solo*, **2013**, 37, 472-481	1.5	10
57	Phosphorus Forms in Sediments as Indicators of Anthropic Pressures in an Agricultural Catchment in Southern Brazil. *Revista Brasileira De Ciencia Do Solo*, **2017**, 41,	1.5	10
56	Soil acidity and aluminum speciation affected by liming in the conversion of a natural pasture from the Brazilian Campos Biome into no-tillage system for grain production. *Archives of Agronomy and Soil Science*, **2020**, 66, 138-151	2	10
55	Phosphorus seasonal sorption-desorption kinetics in suspended sediment in response to land use and management in the Guapor catchment, Southern Brazil. *Environmental Monitoring and Assessment*, **2016**, 188, 643	3.1	9
54	Formas de fsforo no solo sob pastagens naturais submetidas adio de fosfatos. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 867-878	1.5	9
53	Identificao de fontes de produo de sedimentos em uma bacia hidrogrfica de encosta. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 585-598	1.5	9
52	Combining spectroscopy and magnetism with geochemical tracers to improve the discrimination of sediment sources in a homogeneous subtropical catchment. *Catena*, **2020**, 195, 104800	5.8	9
51	Geochemistry and mineralogy of southwestern Lake Superior sediments with an emphasis on phosphorus lability. *Journal of Soils and Sediments*, **2020**, 20, 1060-1073	3.4	9
50	Long-Term Effects of Phosphorus on Dynamics of an Overseeded Natural Grassland in Brazil. *Rangeland Ecology and Management*, **2015**, 68, 445-452	2.2	8
49	Improving the quantification of sediment source contributions using different mathematical models and spectral preprocessing techniques for individual or combined spectra of ultravioletâisible, near- and middle-infrared spectroscopy. *Geoderma*, **2021**, 384, 114815	6.7	8
48	Effects of Rhizophagus clarus and P availability in the tolerance and physiological response of Mucuna cinereum to copper. *Plant Physiology and Biochemistry*, **2018**, 122, 46-56	5.4	8
47	Characteristics, lability and distribution of phosphorus in suspended sediment from a subtropical catchment under diverse anthropic pressure in Southern Brazil. *Ecological Engineering*, **2017**, 100, 28-45	3.9	7
46	Transferncia de nitrognio e fsforo para guas superficiais em uma bacia hidrogrfica com agricultura e produo pecuria intensiva no Sul do Brasil. *Ciencia Rural*, **2015**, 45, 647-650	1.3	7

45	Chemical, Biological, and Biochemical Parameters of the Soil P Cycle After Long-Term Pig Slurry Application in No-Tillage System. *Revista Brasileira De Ciencia Do Solo*, **2017**, 41,	1.5	7
44	Respostas de culturas adubaÃ sulfatada e deposiÃ de enxofre atmosfÃrico. *Revista Ceres*, **2013**, 60, 420-427	0.7	7
43	The effect of crop rotation and sheep grazing management on plant production and soil C and N stocks in a long-term integrated crop-livestock system in Southern Brazil. *Soil and Tillage Research*, **2020**, 203, 104678	6.5	7
42	Nine-year impact of grazing management on soil acidity and aluminum speciation and fractionation in a long-term no-till integrated crop-livestock system in the subtropics. *Geoderma*, **2020**, 359, 113986	6.7	7
41	Phosphorus forms leached in a sandy Typic Hapludalf soil under no-tillage with successive pig slurry applications. *Agricultural Water Management*, **2020**, 242, 106406	5.9	7
40	Biological N2 fixation by soybeans grown with or without liming on acid soils in a no-till integrated crop-livestock system. *Soil and Tillage Research*, **2021**, 209, 104923	6.5	7
39	Copper and zinc distribution and toxicity in â adeâ / â enovesaâ young peach tree. *Scientia Horticulturae*, **2020**, 259, 108763	4.1	7
38	Accumulation of phosphorus fractions and contamination potential in vineyard soils in the southern region of the state of Santa Catarina, Brazil. *Revista Brasileira De Ciencia Do Solo*, **2013**, 37, 1256-1266	1.5	5
37	FÃforo microbiano em solos sob pastagem natural submetida queima e pastejo. *Revista Brasileira De Ciencia Do Solo*, **2011**, 35, 1509-1516	1.5	5
36	Use of color parameters in the grouping of soil samples produces more accurate predictions of soil texture and soil organic carbon. *Computers and Electronics in Agriculture*, **2020**, 177, 105710	6.5	5
35	Soil properties governing phosphorus adsorption in soils of Southern Brazil. *Geoderma Regional*, **2020**, 22, e00318	2.7	5
34	Digital soil class mapping in Brazil: a systematic review. *Scientia Agricola*, **2021**, 78,	2.5	5
33	Plant uptake of legacy phosphorus from soils without P fertilization. *Nutrient Cycling in Agroecosystems*, **2021**, 119, 139-151	3.3	5
32	Distribution and redistribution of phosphorus forms in grapevines. *Scientia Horticulturae*, **2017**, 218, 125-131	4.1	4
31	Impact of tobacco management practices on soil, water and nutrients losses in steeplands with shallow soil. *Catena*, **2019**, 183, 104215	5.8	4
30	The Urban Pressure Over the Sediment Contamination in a Southern Brazil Metropolis: the Case of Diluvio Stream. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	4
29	Salt-affected soils of the coastal plains in Rio Grande do Sul, Brazil. *Geoderma Regional*, **2018**, 14, e00186	2.7	4
28	Investigating the relationships between chemical element concentrations and discharge to improve our understanding of their transport patterns in rural catchments under subtropical climate conditions. *Science of the Total Environment*, **2020**, 748, 141345	10.2	4

27	Sediment source apportionment using optical property composite signatures in a rural catchment, Brazil. *Catena*, **2021**, 202, 105208	5.8	4
26	Phosphorus fractionation in grasses with different resource-acquisition characteristics in natural grasslands of South America. *Journal of Tropical Ecology*, **2019**, 35, 203-212	1.3	3
25	Dynamics of sulfate and basic cations in soil solution as affected by gypsum fertilization in an Ultisol of Southern Brazil. *Archives of Agronomy and Soil Science*, **2019**, 65, 1998-2012	2	3
24	Phosphorus fractions in apple orchards in southern Brazil. *Bragantia*, **2017**, 76, 422-432	1.2	3
23	Mobilization and transport of pesticides with runoff and suspended sediment during flooding events in an agricultural catchment of Southern Brazil. *Environmental Science and Pollution Research*, **2021**, 28, 39370-39386	5.1	3
22	Physico-chemical variability and heavy metal pollution of surface sediment in a non-channeled section of Dil□io Stream (Southern Brazil) and the influence of channeled section in sediment pollution. *Revista Ambiente & □gua*, **2019**, 14, 1	0.8	3
21	Effects of phosphorus fertilizer application on phosphorus fractions in different organs of Cordia trichotoma. *Journal of Forestry Research*, **2021**, 32, 725-732	2	3
20	Release of Phosphorus Forms from Cover Crop Residues in Agroecological No-Till Onion Production. *Revista Brasileira De Ciencia Do Solo*, **2017**, 41,	1.5	2
19	Effect of 26-years of soil tillage systems and winter cover crops on C and N stocks in a Southern Brazilian Oxisol. *Revista Brasileira De Ciencia Do Solo*, **2020**, 44,	1.5	2
18	Phosphorus accumulation in a southern Brazilian Ultisol amended with pig manure for nine years. *Scientia Agricola*, **2021**, 78,	2.5	2
17	Near-infrared spectroscopy to estimate the chemical element concentration in soils and sediments in a rural catchment. *Catena*, **2022**, 213, 106145	5.8	2
16	Application of the Multicomponent Spectral Fitting Algorithm in the Estimation of the Correct Value of Phosphorus determined by ICP OES in Soil Samples. *Communications in Soil Science and Plant Analysis*, **2019**, 50, 1671-1682	1.5	1
15	No-Till Farming Systems for Sustainable Agriculture in South America **2020**, 533-565		1
14	Phosphate fertilization and liming in a trial conducted over 21 years: A survey for greater forage production and Pampa pasture conservation. *European Journal of Agronomy*, **2021**, 125, 126259	5	1
13	Soil chemical properties and crop response to gypsum and limestone on a coarse-textured Ultisol under no-till in the Brazilian Pampa biome. *Geoderma Regional*, **2021**, 25, e00372	2.7	1
12	Forms and balance of soil potassium from a long-term integrated crop-livestock system in a subtropical Oxisol. *Soil and Tillage Research*, **2021**, 207, 104864	6.5	1
11	Physiological, Biochemical Changes, and Phytotoxicity Remediation in Agricultural Plant Species Cultivated in Soils Contaminated with Copper and Zinc **2018**, 29-76		1
10	Terrain analysis, erosion simulations, and sediment fingerprinting: a case study assessing the erosion sensitivity of agricultural catchments in the border of the volcanic plateau of Southern Brazil. *Journal of Soils and Sediments*, **2022**, 22, 1023	3.4	0

9	Long-term effects of grazing intensities on soil aggregation and organic matter in a no-tilled integrated soybean-cattle system. *Soil Security*, **2022**, 6, 100028	6	0
8	Phytoremediation of metals by colonizing plants developed in point bars in the channeled bed of the Dil□io Stream, Southern Brazil. *International Journal of Phytoremediation*, **2021**, 1-7	3.9	0
7	The use of vegetal tissue multi-element content as an indicator of soil or substrate type employed to cultivate Cannabis sativa L. (marijuana). *Forensic Chemistry*, **2021**, 23, 100319	2.8	0
6	The Drivers-Pressures-State-Impact-Response Model to Structure Causeâ□Effect Relationships between Agriculture and Aquatic Ecosystems. *Sustainability*, **2021**, 13, 9365	3.6	0
5	Soil K forms and K budget in integrated crop-livestock systems in subtropical paddy fields. *Soil and Tillage Research*, **2021**, 213, 105070	6.5	0
4	Combining different pre-processing and multivariate methods for prediction of soil organic matter by near infrared spectroscopy (NIRS) in Southern Brazil. *Geoderma Regional*, **2022**, 29, e00530	2.7	0
3	Using water with different levels of salinity by paddy fields: a Brazilian case study. *Communications in Soil Science and Plant Analysis*, **2020**, 51, 2821-2829	1.5	
2	Effect of diversified cropping systems on crop yield, legacy, and budget of potassium in a subtropical Oxisol. *Field Crops Research*, **2022**, 275, 108342	5.5	
1	Resposta da soja ao gesso agr□cola em plantio direto no Paraguai. *Revista Ceres*, **2018**, 65, 450-462	0.7	