

# Tales Tiecher

## List of Publications by Year in Descending Order

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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	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. <i>Journal of Soils and Sediments</i> , <b>2022</b> , 22, 1023	3.4	0
97	Long-term effects of grazing intensities on soil aggregation and organic matter in a no-tilled integrated soybean-cattle system. <i>Soil Security</i> , <b>2022</b> , 6, 100028	6	0
96	Effect of diversified cropping systems on crop yield, legacy, and budget of potassium in a subtropical Oxisol. <i>Field Crops Research</i> , <b>2022</b> , 275, 108342	5.5	
95	Near-infrared spectroscopy to estimate the chemical element concentration in soils and sediments in a rural catchment. <i>Catena</i> , <b>2022</b> , 213, 106145	5.8	2
94	Combining different pre-processing and multivariate methods for prediction of soil organic matter by near infrared spectroscopy (NIRS) in Southern Brazil. <i>Geoderma Regional</i> , <b>2022</b> , 29, e00530	2.7	0
93	Mobilization and transport of pesticides with runoff and suspended sediment during flooding events in an agricultural catchment of Southern Brazil. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 39370-39386	5.1	3
92	Phosphate fertilization and liming in a trial conducted over 21 years: A survey for greater forage production and Pampa pasture conservation. <i>European Journal of Agronomy</i> , <b>2021</b> , 125, 126259	5	1
91	Phytoremediation of metals by colonizing plants developed in point bars in the channeled bed of the Dilúio Stream, Southern Brazil. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 1-7	3.9	0
90	Biological N <sub>2</sub> fixation by soybeans grown with or without liming on acid soils in a no-till integrated crop-livestock system. <i>Soil and Tillage Research</i> , <b>2021</b> , 209, 104923	6.5	7
89	The use of vegetal tissue multi-element content as an indicator of soil or substrate type employed to cultivate Cannabis sativa L. (marijuana). <i>Forensic Chemistry</i> , <b>2021</b> , 23, 100319	2.8	0
88	Soil chemical properties and crop response to gypsum and limestone on a coarse-textured Ultisol under no-till in the Brazilian Pampa biome. <i>Geoderma Regional</i> , <b>2021</b> , 25, e00372	2.7	1
87	Sediment source apportionment using optical property composite signatures in a rural catchment, Brazil. <i>Catena</i> , <b>2021</b> , 202, 105208	5.8	4
86	Effects of phosphorus fertilizer application on phosphorus fractions in different organs of Cordia trichotoma. <i>Journal of Forestry Research</i> , <b>2021</b> , 32, 725-732	2	3
85	Improving the quantification of sediment source contributions using different mathematical models and spectral preprocessing techniques for individual or combined spectra of ultravioletâ€visible, near- and middle-infrared spectroscopy. <i>Geoderma</i> , <b>2021</b> , 384, 114815	6.7	8
84	Forms and balance of soil potassium from a long-term integrated crop-livestock system in a subtropical Oxisol. <i>Soil and Tillage Research</i> , <b>2021</b> , 207, 104864	6.5	1
83	Digital soil class mapping in Brazil: a systematic review. <i>Scientia Agricola</i> , <b>2021</b> , 78,	2.5	5
82	Plant uptake of legacy phosphorus from soils without P fertilization. <i>Nutrient Cycling in Agroecosystems</i> , <b>2021</b> , 119, 139-151	3.3	5

81	The Drivers-Pressures-State-Impact-Response Model to Structure CauseâEffect Relationships between Agriculture and Aquatic Ecosystems. <i>Sustainability</i> , <b>2021</b> , 13, 9365	3.6	0
80	Soil K forms and K budget in integrated crop-livestock systems in subtropical paddy fields. <i>Soil and Tillage Research</i> , <b>2021</b> , 213, 105070	6.5	0
79	Phosphorus accumulation in a southern Brazilian Ultisol amended with pig manure for nine years. <i>Scientia Agricola</i> , <b>2021</b> , 78,	2.5	2
78	Using water with different levels of salinity by paddy fields: a Brazilian case study. <i>Communications in Soil Science and Plant Analysis</i> , <b>2020</b> , 51, 2821-2829	1.5	
77	"Modern agriculture" transfers many pesticides to watercourses: a case study of a representative rural catchment of southern Brazil. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 10581-10598	5.1	28
76	Does gypsum increase crop grain yield on no-tilled acid soils? A meta-analysis. <i>Agronomy Journal</i> , <b>2020</b> , 112, 675-692	2.2	11
75	Quantification of sediment source contributions in two paired catchments of the Brazilian Pampa using conventional and alternative fingerprinting approaches. <i>Hydrological Processes</i> , <b>2020</b> , 34, 2965-2986	3.3	11
74	The Urban Pressure Over the Sediment Contamination in a Southern Brazil Metropolis: the Case of Diluvio Stream. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	4
73	No-Till Farming Systems for Sustainable Agriculture in South America <b>2020</b> , 533-565		1
72	Effect of 26-years of soil tillage systems and winter cover crops on C and N stocks in a Southern Brazilian Oxisol. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2020</b> , 44,	1.5	2
71	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. <i>Soil and Tillage Research</i> , <b>2020</b> , 203, 104678	6.5	7
70	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. <i>Geoderma</i> , <b>2020</b> , 359, 113986	6.7	7
69	Use of color parameters in the grouping of soil samples produces more accurate predictions of soil texture and soil organic carbon. <i>Computers and Electronics in Agriculture</i> , <b>2020</b> , 177, 105710	6.5	5
68	Investigating the relationships between chemical element concentrations and discharge to improve our understanding of their transport patterns in rural catchments under subtropical climate conditions. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141345	10.2	4
67	Combining spectroscopy and magnetism with geochemical tracers to improve the discrimination of sediment sources in a homogeneous subtropical catchment. <i>Catena</i> , <b>2020</b> , 195, 104800	5.8	9
66	Phosphorus forms leached in a sandy Typic Hapludalf soil under no-tillage with successive pig slurry applications. <i>Agricultural Water Management</i> , <b>2020</b> , 242, 106406	5.9	7
65	Soil properties governing phosphorus adsorption in soils of Southern Brazil. <i>Geoderma Regional</i> , <b>2020</b> , 22, e00318	2.7	5
64	Sediment source fingerprinting: benchmarking recent outputs, remaining challenges and emerging themes. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 4160-4193	3.4	46

63	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. <i>Archives of Agronomy and Soil Science</i> , <b>2020</b> , 66, 138-151	2	10
62	Geochemistry and mineralogy of southwestern Lake Superior sediments with an emphasis on phosphorus lability. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 1060-1073	3-4	9
61	Copper and zinc distribution and toxicity in 'Adão' and 'Genovesa' young peach tree. <i>Scientia Horticulturae</i> , <b>2020</b> , 259, 108763	4-1	7
60	Impact of tobacco management practices on soil, water and nutrients losses in steeplands with shallow soil. <i>Catena</i> , <b>2019</b> , 183, 104215	5-8	4
59	Using spectrocolourimetry to trace sediment source dynamics in coastal catchments draining the main Fukushima radioactive pollution plume (2011-2017). <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 3290-3301	3-4	11
58	Phosphorus fractionation in grasses with different resource-acquisition characteristics in natural grasslands of South America. <i>Journal of Tropical Ecology</i> , <b>2019</b> , 35, 203-212	1-3	3
57	Application of the Multicomponent Spectral Fitting Algorithm in the Estimation of the Correct Value of Phosphorus determined by ICP OES in Soil Samples. <i>Communications in Soil Science and Plant Analysis</i> , <b>2019</b> , 50, 1671-1682	1-5	1
56	Effect of gypsum rates and lime with different reactivity on soil acidity and crop grain yields in a subtropical Oxisol under no-tillage. <i>Soil and Tillage Research</i> , <b>2019</b> , 193, 27-41	6-5	20
55	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. <i>Geoderma</i> , <b>2019</b> , 351, 197-208	6-7	21
54	Crop Yield Responses to Sulfur Fertilization in Brazilian No-Till Soils: a Systematic Review. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2019</b> , 43,	1-5	13
53	Phosphorus distribution after three decades of different soil management and cover crops in subtropical region. <i>Soil and Tillage Research</i> , <b>2019</b> , 192, 33-41	6-5	18
52	Dynamics of sulfate and basic cations in soil solution as affected by gypsum fertilization in an Ultisol of Southern Brazil. <i>Archives of Agronomy and Soil Science</i> , <b>2019</b> , 65, 1998-2012	2	3
51	Physico-chemical variability and heavy metal pollution of surface sediment in a non-channeled section of Dilúio Stream (Southern Brazil) and the influence of channeled section in sediment pollution. <i>Revista Ambiente &amp; Agua</i> , <b>2019</b> , 14, 1	0-8	3
50	Potential of phosphorus fractions to trace sediment sources in a rural catchment of Southern Brazil: Comparison with the conventional approach based on elemental geochemistry. <i>Geoderma</i> , <b>2019</b> , 337, 1067-1076	6-7	14
49	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. <i>Soil and Tillage Research</i> , <b>2018</b> , 180, 222-231	6-5	22
48	Fingerprinting sediment sources in a large agricultural catchment under no-tillage in Southern Brazil (Conceição River). <i>Land Degradation and Development</i> , <b>2018</b> , 29, 939-951	4-4	19
47	The interaction of high copper and zinc doses in acid soil changes the physiological state and development of the root system in young grapevines ( <i>Vitis vinifera</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 148, 985-994	7	19
46	Phosphorus dynamics during storm events in a subtropical rural catchment in southern Brazil. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 261, 93-102	5-7	18

45	Assessing linkage between soil phosphorus forms in contrasting tillage systems by path analysis. <i>Soil and Tillage Research</i> , <b>2018</b> , 175, 276-280	6.5	18
44	Salt-affected soils of the coastal plains in Rio Grande do Sul, Brazil. <i>Geoderma Regional</i> , <b>2018</b> , 14, e00186.	2.7	4
43	Effects of <i>Rhizophagus clarus</i> and P availability in the tolerance and physiological response of <i>Mucuna cinereum</i> to copper. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 122, 46-56	5.4	8
42	Residual effect of surface-applied lime on soil acidity properties in a long-term experiment under no-till in a Southern Brazilian sandy Ultisol. <i>Geoderma</i> , <b>2018</b> , 313, 7-16	6.7	34
41	Resposta da soja ao gesso agrícola em plantio direto no Paraguai. <i>Revista Ceres</i> , <b>2018</b> , 65, 450-462	0.7	
40	Physiological, Biochemical Changes, and Phytotoxicity Remediation in Agricultural Plant Species Cultivated in Soils Contaminated with Copper and Zinc <b>2018</b> , 29-76		1
39	High carbon storage in a previously degraded subtropical soil under no-tillage with legume cover crops. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 268, 15-23	5.7	51
38	Crop Response to Gypsum Application to Subtropical Soils Under No-Till in Brazil: a Systematic Review. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2018</b> , 42,	1.5	19
37	Distribution and redistribution of phosphorus forms in grapevines. <i>Scientia Horticulturae</i> , <b>2017</b> , 218, 125-131	4.1	4
36	Tolerance and translocation of heavy metals in young grapevine ( <i>Vitis vinifera</i> ) grown in sandy acidic soil with interaction of high doses of copper and zinc. <i>Scientia Horticulturae</i> , <b>2017</b> , 222, 203-212	4.1	46
35	Quantifying land use contributions to suspended sediment in a large cultivated catchment of Southern Brazil (Guaporé River, Rio Grande do Sul). <i>Agriculture, Ecosystems and Environment</i> , <b>2017</b> , 237, 95-108	5.7	38
34	Characteristics, lability and distribution of phosphorus in suspended sediment from a subtropical catchment under diverse anthropic pressure in Southern Brazil. <i>Ecological Engineering</i> , <b>2017</b> , 100, 28-45	3.9	7
33	Tracing Sediment Sources Using Mid-infrared Spectroscopy in Arvorezinha Catchment, Southern Brazil. <i>Land Degradation and Development</i> , <b>2017</b> , 28, 1603-1614	4.4	12
32	Phosphorus fractions in apple orchards in southern Brazil. <i>Bragantia</i> , <b>2017</b> , 76, 422-432	1.2	3
31	Chemical, Biological, and Biochemical Parameters of the Soil P Cycle After Long-Term Pig Slurry Application in No-Tillage System. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2017</b> , 41,	1.5	7
30	Release of Phosphorus Forms from Cover Crop Residues in Agroecological No-Till Onion Production. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2017</b> , 41,	1.5	2
29	Sediment pollution in margins of the Lake Guaíba, Southern Brazil. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 190, 3	3.1	10
28	Soil fertility and nutrient budget after 23-years of different soil tillage systems and winter cover crops in a subtropical Oxisol. <i>Geoderma</i> , <b>2017</b> , 308, 78-85	6.7	41

27	Tracing Sediment Sources in a Subtropical Agricultural Catchment of Southern Brazil Cultivated With Conventional and Conservation Farming Practices. <i>Land Degradation and Development</i> , <b>2017</b> , 28, 1426-1436	4.4	19
26	Tracing sediment sources in two paired agricultural catchments with different riparian forest and wetland proportion in southern Brazil. <i>Geoderma</i> , <b>2017</b> , 285, 225-239	6.7	11
25	Phosphorus Forms in Sediments as Indicators of Anthropic Pressures in an Agricultural Catchment in Southern Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2017</b> , 41,	1.5	10
24	The potential of Zea mays L. in remediating copper and zinc contaminated soils for grapevine production. <i>Geoderma</i> , <b>2016</b> , 262, 52-61	6.7	42
23	Tracing sediment sources in a subtropical rural catchment of southern Brazil by using geochemical tracers and near-infrared spectroscopy. <i>Soil and Tillage Research</i> , <b>2016</b> , 155, 478-491	6.5	20
22	Phosphorus seasonal sorption-desorption kinetics in suspended sediment in response to land use and management in the Guaporé catchment, Southern Brazil. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 643	3.1	9
21	Effects of zinc addition to a copper-contaminated vineyard soil on sorption of Zn by soil and plant physiological responses. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 129, 109-19	7	22
20	Iron oxides and organic matter on soil phosphorus availability. <i>Ciencia E Agrotecnologia</i> , <b>2016</b> , 40, 369-379	6	129
19	Physiological and nutritional status of black oat ( <i>Avena strigosa</i> Schreb.) grown in soil with interaction of high doses of copper and zinc. <i>Plant Physiology and Biochemistry</i> , <b>2016</b> , 106, 253-63	5.4	26
18	Occurrence of iron and aluminum sesquioxides and their implications for the P sorption in subtropical soils. <i>Applied Clay Science</i> , <b>2015</b> , 104, 196-204	5.2	63
17	Transferência de nitrogênio e fósforo para águas superficiais em uma bacia hidrográfica com agricultura e produção pecuária intensiva no Sul do Brasil. <i>Ciencia Rural</i> , <b>2015</b> , 45, 647-650	1.3	7
16	Combining visible-based-color parameters and geochemical tracers to improve sediment source discrimination and apportionment. <i>Science of the Total Environment</i> , <b>2015</b> , 527-528, 135-49	10.2	37
15	Long-Term Effects of Phosphorus on Dynamics of an Overseeded Natural Grassland in Brazil. <i>Rangeland Ecology and Management</i> , <b>2015</b> , 68, 445-452	2.2	8
14	Contribuição das fontes de sedimentos em uma bacia hidrográfica agrícola sob plantio direto. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2014</b> , 38, 639-649	1.5	15
13	Formas de fósforo no solo sob pastagens naturais submetidas à adição de fosfatos. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2014</b> , 38, 867-878	1.5	9
12	Animal manure phosphorus characterization by sequential chemical fractionation, release kinetics and <sup>31</sup> P-NMR analysis. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2014</b> , 38, 1506-1514	1.5	11
11	Identificação de fontes de produção de sedimentos em uma bacia hidrográfica de encosta. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2014</b> , 38, 585-598	1.5	9
10	Long-term effect of different soil management systems and winter crops on soil acidity and vertical distribution of nutrients in a Brazilian Oxisol. <i>Soil and Tillage Research</i> , <b>2013</b> , 133, 32-39	6.5	45

9	Phosphorus fractions in sandy soils of vineyards in southern Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2013</b> , 37, 472-481	1.5	10
8	Accumulation of phosphorus fractions and contamination potential in vineyard soils in the southern region of the state of Santa Catarina, Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2013</b> , 37, 1256-1266	1.5	5
7	Respostas de culturas à adubação sulfatada e deposição de enxofre atmosférico. <i>Revista Ceres</i> , <b>2013</b> , 60, 420-427	0.7	7
6	Soil organic phosphorus forms under different soil management systems and winter crops, in a long term experiment. <i>Soil and Tillage Research</i> , <b>2012</b> , 124, 57-67	6.5	49
5	Phosphorus accumulation and pollution potential in a hapludult fertilized with pig manure. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2012</b> , 36, 1333-1342	1.5	29
4	Forms of inorganic phosphorus in soil under different long term soil tillage systems and winter crops. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2012</b> , 36, 271-282	1.5	39
3	Accumulation of phosphorus fractions in typic Hapludalf soil after long-term application of pig slurry and deep pig litter in a no-tillage system. <i>Nutrient Cycling in Agroecosystems</i> , <b>2012</b> , 93, 215-225	3.3	45
2	Resposta de culturas e disponibilidade de enxofre em solos com diferentes teores de argila e matéria orgânica submetidos à adubação sulfatada. <i>Bragantia</i> , <b>2012</b> , 71, 518-527	1.2	11
1	Índice microbiano em solos sob pastagem natural submetida à queima e pastejo. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2011</b> , 35, 1509-1516	1.5	5