

# Flávio Anastácio de Oliveira Camargo

## List of Publications by Year in descending order

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105  
papers

3,791  
citations

159525

30  
h-index

138417

58  
g-index

105  
all docs

105  
docs citations

105  
times ranked

4648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative bioremediation of soils contaminated with diesel oil by natural attenuation, biostimulation and bioaugmentation. <i>Bioresource Technology</i> , 2005, 96, 1049-1055.	4.8	567
2	Biodegradation potential of oily sludge by pure and mixed bacterial cultures. <i>Bioresource Technology</i> , 2011, 102, 11003-11010.	4.8	238
3	Degradability of linear polyolefins under natural weathering. <i>Polymer Degradation and Stability</i> , 2011, 96, 703-707.	2.7	210
4	Microbial consortium bioaugmentation of a polycyclic aromatic hydrocarbons contaminated soil. <i>Bioresource Technology</i> , 2008, 99, 2637-2643.	4.8	194
5	Probiotic potential, antimicrobial and antioxidant activities of <i>Enterococcus durans</i> strain LAB18s. <i>Food Control</i> , 2014, 37, 251-256.	2.8	182
6	Abiotic and biotic degradation of oxo-biodegradable polyethylenes. <i>Polymer Degradation and Stability</i> , 2009, 94, 965-970.	2.7	137
7	The Effect of Tillage System and Crop Rotation on Soil Microbial Diversity and Composition in a Subtropical Acrisol. <i>Diversity</i> , 2012, 4, 375-395.	0.7	102
8	Anthracene biodegradation and surface activity by an iron-stimulated <i>Pseudomonas</i> sp.. <i>Bioresource Technology</i> , 2008, 99, 2644-2649.	4.8	100
9	Anthracene biodegradation by <i>Pseudomonas</i> sp. isolated from a petrochemical sludge landfarming site. <i>International Biodeterioration and Biodegradation</i> , 2005, 56, 143-150.	1.9	93
10	Impact of biodiesel on biodeterioration of stored Brazilian diesel oil. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 172-178.	1.9	90
11	Metal resistance mechanisms in Gram-negative bacteria and their potential to remove Hg in the presence of other metals. <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 162-169.	2.9	89
12	Characterization of copper bioreduction and biosorption by a highly copper resistant bacterium isolated from copper-contaminated vineyard soil. <i>Science of the Total Environment</i> , 2010, 408, 1501-1507.	3.9	70
13	Comparison of bioremediation strategies for soil impacted with petrochemical oily sludge. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 338-345.	1.9	69
14	Diversity of chromium-resistant bacteria isolated from soils contaminated with dichromate. <i>Applied Soil Ecology</i> , 2005, 29, 193-202.	2.1	66
15	Bioremediation of soil contaminated by diesel oil. <i>Brazilian Journal of Microbiology</i> , 2003, 34, 65-68.	0.8	57
16	Soil-Borne Bacterial Structure and Diversity Does Not Reflect Community Activity in Pampa Biome. <i>PLoS ONE</i> , 2013, 8, e76465.	1.1	52
17	Bioremediation assessment of diesel-contaminated soil using an alternative bioaugmentation strategy. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2592-2602.	2.7	51
18	Evaluation of resistance genes and virulence factors in a food isolated <i>Enterococcus durans</i> with potential probiotic effect. <i>Food Control</i> , 2015, 51, 49-54.	2.8	50

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19	Bioremediation strategies for diesel and biodiesel in oxisol from southern Brazil. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 356-363.	1.9	47
20	Accumulation and translocation of heavy metal by spontaneous plants growing on multi-metal-contaminated site in the Southeast of Rio Grande do Sul state, Brazil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2371-2380.	2.7	47
21	Bacterial stimulation of copper phytoaccumulation by bioaugmentation with rhizosphere bacteria. <i>Chemosphere</i> , 2010, 81, 1149-1154.	4.2	46
22	Enzymatic activity of catechol 1,2-dioxygenase and catechol 2,3-dioxygenase produced by <i>Gordonia polyisoprenivorans</i> . <i>Quimica Nova</i> , 2012, 35, 1587-1592.	0.3	46
23	Use of High-Yielding Bioenergy Plant Castor Bean ( <i>Ricinus communis</i> L.) as a Potential Phytoremediator for Copper-Contaminated Soils. <i>Pedosphere</i> , 2013, 23, 651-661.	2.1	46
24	Soil suppressiveness and its relations with the microbial community in a Brazilian subtropical agroecosystem under different management systems. <i>Soil Biology and Biochemistry</i> , 2016, 96, 191-197.	4.2	42
25	Fuel biodegradation and molecular characterization of microbial biofilms in stored diesel/biodiesel blend B10 and the effect of biocide. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 346-355.	1.9	39
26	Abiotic and biotic degradation of oxo-biodegradable foamed polystyrene. <i>Polymer Degradation and Stability</i> , 2009, 94, 2128-2133.	2.7	38
27	Isolation and characterization of bacteria from mercury contaminated sites in Rio Grande do Sul, Brazil, and assessment of methylmercury removal capability of a <i>Pseudomonas putida</i> V1 strain. <i>Biodegradation</i> , 2013, 24, 319-331.	1.5	38
28	Relationship between honeybee nutrition and their microbial communities. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 921-933.	0.7	36
29	Hexavalent Chromium Reduction by Immobilized Cells and the Cell-Free Extract of <i>Bacillus</i> sp. ES 29. <i>Bioremediation Journal</i> , 2004, 8, 23-30.	1.0	35
30	Oily sludge stimulates microbial activity and changes microbial structure in a landfarming soil. <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 90-101.	1.9	35
31	Bioprospection of indigenous flora grown in copper mining tailing area for phytoremediation of metals. <i>Journal of Environmental Management</i> , 2020, 256, 109953.	3.8	32
32	Bioaccumulation and distribution of selenium in <i>Enterococcus durans</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 40, 37-45.	1.5	30
33	Microbial community composition in Brazilian stored diesel fuel of varying sulfur content, using high-throughput sequencing. <i>Fuel</i> , 2017, 189, 340-349.	3.4	29
34	Characterization of Copper-Resistant Rhizosphere Bacteria from <i>Avena sativa</i> and <i>Plantago lanceolata</i> for Copper Bioreduction and Biosorption. <i>Biological Trace Element Research</i> , 2012, 146, 107-115.	1.9	27
35	A long-term no-tillage system can increase enzymatic activity and maintain bacterial richness in paddy fields. <i>Land Degradation and Development</i> , 2021, 32, 2257-2268.	1.8	27
36	Evaluation of copper resistant bacteria from vineyard soils and mining waste for copper biosorption. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 66-74.	0.8	26

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37	Antimicrobial and antioxidant activities of <i>Enterococcus</i> species isolated from meat and dairy products. <i>Brazilian Journal of Biology</i> , 2015, 75, 923-931.	0.4	26
38	Short-term Impacts on Soil Quality Assessment in Alternative Land Uses of Traditional Paddy Fields in Southern Brazil. <i>Land Degradation and Development</i> , 2017, 28, 534-542.	1.8	26
39	Potential of <i>Solanum viarum</i> Dunal in use for phytoremediation of heavy metals to mining areas, southern Brazil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 24132-24142.	2.7	25
40	Alterações eletroquímicas em solos inundados. <i>Ciencia Rural</i> , 1999, 29, 171-180.	0.3	24
41	Properties of catechol 1,2-dioxygenase in the cell free extract and immobilized extract of <i>Mycobacterium fortuitum</i> . <i>Brazilian Journal of Microbiology</i> , 2013, 44, 291-297.	0.8	22
42	Phytoremediation of heavy metals and nutrients by the <i>Sagittaria montevidensis</i> into an anthropogenic contaminated site at Southern of Brazil. <i>International Journal of Phytoremediation</i> , 2019, 21, 1145-1152.	1.7	22
43	A Comparison of Microbial Bioaugmentation and Biostimulation for Hexavalent Chromium Removal from Wastewater. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	21
44	Production of Selenium-Enriched Biomass by <i>Enterococcus durans</i> . <i>Biological Trace Element Research</i> , 2013, 155, 447-454.	1.9	19
45	Evaluation of two Brazilian indigenous plants for phytostabilization and phytoremediation of copper-contaminated soils. <i>Brazilian Journal of Biology</i> , 2015, 75, 868-877.	0.4	19
46	Metal-resistant rhizobacteria isolates improve <i>Mucuna deeringiana</i> phytoextraction capacity in multi-metal contaminated soils from a gold mining area. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3063-3073.	2.7	19
47	Soil properties governing phosphorus adsorption in soils of Southern Brazil. <i>Geoderma Regional</i> , 2020, 22, e00318.	0.9	19
48	Capability of a selected bacterial consortium for degrading diesel/biodiesel blends (B20): Enzyme and biosurfactant production. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1776-1784.	0.9	18
49	Distribution and Interaction Patterns of Bacterial Communities in an Ornithogenic Soil of Seymour Island, Antarctica. <i>Microbial Ecology</i> , 2015, 69, 684-694.	1.4	18
50	Sediment pollution in margins of the Lake Guaíba, Southern Brazil. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 3.	1.3	18
51	In vivo action of <i>Lactococcus lactis</i> subsp. <i>lactis</i> isolate (R7) with probiotic potential in the stabilization of cancer cells in the colorectal epithelium. <i>Process Biochemistry</i> , 2020, 91, 165-171.	1.8	18
52	Integrated crop-livestock systems in lowlands increase the availability of nutrients to irrigated rice. <i>Land Degradation and Development</i> , 2020, 31, 2962-2972.	1.8	18
53	Potential Phytoextraction and Phytostabilization of Perennial Peanut on Copper-Contaminated Vineyard Soils and Copper Mining Waste. <i>Biological Trace Element Research</i> , 2011, 143, 1729-1739.	1.9	16
54	Heavy Metals and Nutrients Uptake by Medicinal Plants Cultivated on Multi-metal Contaminated Soil Samples from an Abandoned Gold Ore Processing Site. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	15

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55	Sediment pollution in an urban water supply lake in southern Brazil. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 12.	1.3	15
56	Methylmercury degradation by <i>Pseudomonas putida</i> V1. <i>Ecotoxicology and Environmental Safety</i> , 2016, 130, 37-42.	2.9	14
57	In situ phytoremediation characterization of heavy metals promoted by <i>Hydrocotyle ranunculoides</i> at Santa Bárbara stream, an anthropogenic polluted site in southern of Brazil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28312-28321.	2.7	14
58	Soybean crop incorporation in irrigated rice cultivation improves nitrogen availability, soil microbial diversity and activity, and growth of ryegrass. <i>Applied Soil Ecology</i> , 2022, 170, 104313.	2.1	14
59	13-loci STR multiplex system for Brazilian seized samples of marijuana: individualization and origin differentiation. <i>International Journal of Legal Medicine</i> , 2019, 133, 373-384.	1.2	13
60	Effects of Stimulation of Copper Bioleaching on Microbial Community in Vineyard Soil and Copper Mining Waste. <i>Biological Trace Element Research</i> , 2012, 146, 124-133.	1.9	12
61	Biodegradation potential of <i>Serratiamarcescens</i> for diesel/biodiesel blends. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 141-146.	1.9	12
62	Treated Industrial Wastewater Effects on Chemical Constitution Maize Biomass, Physicochemical Soil Properties, and Economic Balance. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 319-333.	0.6	12
63	Biogeography of diazotrophic bacteria in soils. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1503-1508.	1.7	11
64	Bioreduction of Cu(II) by Cell-Free Copper Reductase from a Copper Resistant <i>Pseudomonas</i> sp. NA. <i>Biological Trace Element Research</i> , 2011, 143, 1182-1192.	1.9	11
65	Solubility of Heavy Metals/Metalloid on Multi-Metal Contaminated Soil Samples from a Gold Ore Processing Area: Effects of Humic Substances. <i>Revista Brasileira De Ciencia Do Solo</i> , 2016, 40, .	0.5	11
66	Analysis of Isomeric Cannabinoid Standards and Cannabis Products by UPLC-ESI-MS/MS: a Comparison with GC-MS and GC-MS. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	11
67	A Bibliometric Analysis of Cannabis Publications: Six Decades of Research and a Gap on Studies with the Plant. <i>Publications</i> , 2018, 6, 40.	1.9	11
68	Redução de cromo hexavalente por bactérias isoladas de solos contaminados com cromo. <i>Ciencia Rural</i> , 2007, 37, 1661-1667.	0.3	10
69	Bioaugmentation-assisted phytoremediation of As, Cd, and Pb using <i>Sorghum bicolor</i> in a contaminated soil of an abandoned gold ore processing plant. <i>Revista Brasileira De Ciencia Do Solo</i> , 2020, 44, .	0.5	10
70	The effects of trace elements, cations, and environmental conditions on protocatechuate 3,4-dioxygenase activity. <i>Scientia Agricola</i> , 2013, 70, 68-73.	0.6	9
71	SOIL FUNGISTASIS AGAINST <i>FUSARIUM GRAMINEARUM</i> UNDER DIFFERENT CROP MANAGEMENT SYSTEMS. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015, 39, 69-77.	0.5	9
72	ALTERAÇÕES ELETROQUÍMICAS E DINÂMICA DE NUTRIENTES NA SOLUÇÃO DO SOLO EM ARROZ IRRIGADO COM LIXIVIADO INDUSTRIAL TRATADO. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015, 39, 466-474.	0.5	9

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73	Irrigation of paddy soil with industrial landfill leachate: impacts in rice productivity, plant nutrition, and chemical characteristics of soil. <i>Paddy and Water Environment</i> , 2017, 15, 133-144.	1.0	9
74	How different soil moisture levels affect the microbial activity. <i>Ciencia Rural</i> , 2020, 50, .	0.3	9
75	Evaluation of the potential impact of fluorine-rich fertilizers on the Guarani Aquifer System, Rio Grande do Sul, Southern Brazil. <i>Environmental Earth Sciences</i> , 2013, 69, 77-84.	1.3	8
76	Evaluation of two 13-loci STR multiplex system regarding identification and origin discrimination of Brazilian Cannabis sativa samples. <i>International Journal of Legal Medicine</i> , 2020, 134, 1603-1612.	1.2	8
77	Propriedades químicas de um Argissolo tratado sucessivamente com composto de lixo urbano. <i>Ciencia Rural</i> , 2011, 41, 433-439.	0.3	7
78	Phytoremediation of Vineyard Copper-Contaminated Soil and Copper Mining Waste by a High Potential Bioenergy Crop ( <i>Helianthus annuus</i> L.). <i>Journal of Plant Nutrition</i> , 2015, 38, 1580-1594.	0.9	7
79	Atividade microbiana em solos sob doses de lodo de estação de tratamento de efluentes de um aterro industrial. <i>Ciencia Rural</i> , 2016, 46, 267-272.	0.3	7
80	Lago Guaíba: uma análise histórico-cultural da poluição hídrica em Porto Alegre, RS, Brasil. <i>Engenharia Sanitaria E Ambiental</i> , 2019, 24, 229-237.	0.1	7
81	Geographic origin determination of Brazilian Cannabis sativa L. (Marihuana) by multi-element concentration. <i>Forensic Science International</i> , 2020, 315, 110459.	1.3	7
82	The Urban Pressure Over the Sediment Contamination in a Southern Brazil Metropolis: the Case of Dilúvio Stream. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	7
83	Cultivation of sorghum and sunflower in soils with amendment of sludge from industrial landfill. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2019, 8, 119-130.	2.0	6
84	Whole Plastome Sequences of Two Drug-type Cannabis: Insights Into the Use of Plastid in Forensic Analyses. <i>Journal of Forensic Sciences</i> , 2020, 65, 259-265.	0.9	6
85	Molecular identification and microbiological evaluation of isolates from equipments and food contact surfaces in a hospital Food and Nutrition Unit. <i>Brazilian Journal of Biology</i> , 2019, 79, 191-200.	0.4	5
86	Assessment of Beneficial Properties of <i>Enterococcus</i> Strains. <i>Journal of Food Processing and Preservation</i> , 2014, 38, 665-675.	0.9	4
87	The historical influence of tributaries on the water and sediment of Jacuá's Delta, Southern Brazil. <i>Revista Ambiente &amp; Água</i> , 2018, 13, 1.	0.1	4
88	Metal-Resistant Rhizobacteria Change Soluble-Exchangeable Fraction in Multi-Metal-Contaminated Soil Samples. <i>Revista Brasileira De Ciencia Do Solo</i> , 2018, 42, .	0.5	4
89	Physico-chemical variability and heavy metal pollution of surface sediment in a non-channeled section of Dilúvio Stream (Southern Brazil) and the influence of channeled section in sediment pollution. <i>Revista Ambiente &amp; Água</i> , 2019, 14, 1.	0.1	4
90	Impact of water content on microbial growth in Brazilian biodiesel during simulated storage. <i>Fuel</i> , 2021, 297, 120761.	3.4	4

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91	Rizóbios nativos do Rio Grande do Sul simbioticamente eficientes em <i>Lotus glaber</i> . <i>Ciencia Rural</i> , 2011, 41, 440-446.	0.3	3
92	Biosorption and Bioreduction of Copper from Different Copper Compounds in Aqueous Solution. <i>Biological Trace Element Research</i> , 2013, 152, 411-416.	1.9	3
93	Biomassa e atividade microbiana do solo em sistemas de produção olerícola orgânica e convencional. <i>Ciencia Rural</i> , 2013, 43, 270-276.	0.3	3
94	Evaluation of <i>Enydra anagallis</i> remediation at a contaminated watercourse in south Brazil. <i>International Journal of Phytoremediation</i> , 2020, 22, 1216-1223.	1.7	3
95	Impact of Treated Industrial Effluent on Physical and Chemical Properties of Three Subtropical Soils and Millet Nutrition. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 2514-2525.	0.6	2
96	Phytoremediation of metals by colonizing plants developed in point bars in the channeled bed of the Dilávio Stream, Southern Brazil. <i>International Journal of Phytoremediation</i> , 2022, 24, 59-65.	1.7	2
97	The use of vegetal tissue multi-element content as an indicator of soil or substrate type employed to cultivate <i>Cannabis sativa</i> L. (marijuana). <i>Forensic Chemistry</i> , 2021, 23, 100319.	1.7	2
98	Analysis of <i>Baccharis dracunculifolia</i> and <i>Baccharis trimera</i> for Phytoremediation of Heavy Metals in Copper Mining Tailings Area in Southern Brazil. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 694-708.	1.4	2
99	Geoaccumulation of Heavy Metals in the Sediment of Lake Guaíba Transitional Waters, Southern Brazil. <i>Environmental Engineering Science</i> , 2019, 36, 1315-1322.	0.8	1
100	Copper adsorption by different extracts of shrimp chitin. , 0, 141, 220-228.		1
101	Crescimento e teor de cromo em mamoneira cultivada em solo receptor de resíduos de curtume e carboníferos. <i>Engenharia Sanitaria E Ambiental</i> , 2019, 24, 1095-1102.	0.1	1
102	Adsorção de Cu, Zn e P em solos adubados com dejetos animais. <i>Revista Ibero-americana De Ciências Ambientais</i> , 2020, 11, 437-447.	0.0	1
103	Chemical attributes of percolate from degraded sand soil irrigated with treated industrial wastewater. <i>Environmental Quality Management</i> , 0, , .	1.0	0
104	Extração sequencial para avaliação de Cu, Zn, Mn, Cd, Ni, Cr E Pb em solos com aplicação de dejetos de animais. <i>Revista Ibero-americana De Ciências Ambientais</i> , 2020, 11, 424-436.	0.0	0
105	Maize grain supply and demand for the animal protein chain in the Rio Grande do Sul State, Brazil. <i>Ciencia Rural</i> , 2022, 52, .	0.3	0