|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PUBLICAÇÕES DO PROGRAMAE PÓS-GRADUAÇÃO EM CIÊNCIA DO SOLO EM 2018\***  **(por ordem alfabética do título do artigo)**  \*Atualizado em 13/02/2019 | | | | | |
| **ID** | **Título do artigo** | **Citação** | **JCR 2017** | **Qualis** | **Agradecimentos** |
| **1** | A hydropedological approach to a mountainous Clayey Humic Dystrudept in the Mantiqueira Range, southeastern Brazil | PINTO, L. C.; MELLO, C. R.; NORTON, L. D.; POGGERE, G. C.; OWENS, P. R.; CURI, N. A hydropedological approach to a mountainous Clayey Humic Dystrudept in the Mantiqueira Range, southeastern Brazil.**Scientia Agricola**, v. 75, n. 1, p. 60-69, 2018.  http://dx.doi.org/10.1590/1678-992x-2016-0144 | 1,383 | A1 | FAPEMIG,  CNPq,  CAPES |
| **2** | Adsorption and availability of phosphorus in response to humic acid rates in soils limed with CaCO3 or MgCO3 | [MALUF, H. J. G. M.;](http://www.scielo.br/cgi-bin/wxis.exe/iah/?IsisScript=iah/iah.xis&base=article%5Edlibrary&format=iso.pft&lang=i&nextAction=lnk&indexSearch=AU&exprSearch=MALUF,+HENRIQUE+JOSE+GUIMARAES+MOREIRA) SILVA, C. A.; CURI, N.; NORTON, L. D.; ROSA, S. D.Adsorption and availability of phosphorus in response to humic acid rates in soils limed with CaCO3 or MgCO3.**Ciência e Agrotecnologia**, v. 42, n. 1, p. 7-20, 2018.  <http://dx.doi.org/10.1590/1413-70542018421014518> | 0,672 | A2 | CAPES,  FAPEMIG,  CNPq |
| **3** | Agronomic biofortification of carrot with selenium | OLIVEIRA, V. C.; FAQUIN, V.; GUIMARÃES, K. C.; ANDRADE, F. R.; PEREIRA, J.; GUILHERME, L. R. G. Agronomic biofortification of carrot with selenium. **Ciência e Agrotecnologia**, v. 42, n. 2, p. 138-147, 2018.  <http://dx.doi.org/10.1590/1413-70542018422031217> | 0,672 | A2 | CNPq,  FAPEMIG,  CAPES |
| **4** | Agronomic efficiency of phosphate fertilizers produced by the re-use of a metallurgical acid residue | [BARRETO, M. S. C](https://www.ncbi.nlm.nih.gov/pubmed/?term=Barreto%20MSC%5BAuthor%5D&cauthor=true&cauthor_uid=29241066).; [MATTIELLO, E. M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Mattiello%20EM%5BAuthor%5D&cauthor=true&cauthor_uid=29241066).; [SANTOS, W. O](https://www.ncbi.nlm.nih.gov/pubmed/?term=Santos%20WO%5BAuthor%5D&cauthor=true&cauthor_uid=29241066).; [MELO, L. C. A](https://www.ncbi.nlm.nih.gov/pubmed/?term=Melo%20LCA%5BAuthor%5D&cauthor=true&cauthor_uid=29241066).; [VERGÜTZ, L](https://www.ncbi.nlm.nih.gov/pubmed/?term=Verg%C3%BCtz%20L%5BAuthor%5D&cauthor=true&cauthor_uid=29241066).; [NOVAIS, R. F](https://www.ncbi.nlm.nih.gov/pubmed/?term=Novais%20RF%5BAuthor%5D&cauthor=true&cauthor_uid=29241066). Agronomic efficiency of phosphate fertilizers produced by the re-use of a metallurgical acid residue. **Journal of Environmental Management**, v. 208, p. 1-7, 2018.  https://doi.org/10.1016/j.jenvman.2017.11.075 | 4,005 | A1 | CNPq,  CAPES,  London Scandinavian Metal Brasil S.A |
| **5** | Amending potential of organic and industrial by-products applied to heavy metal-rich mining soils | MARTINS, G. C.; PENIDO, E. S.; ALVARENGA, I. F. S.; TEODORO, J. C.; BIANCHI, M. L.; GUILHERME, L. R. G. **Amending potential of organic and industrial by-products applied to heavy metal-rich mining soils. Ecotoxicology Environmental Safety**, v. 162, p. 581-590, 2018.  https://doi.org/10.1016/j.ecoenv.2018.07.040 | 3,974 | A1 | FAPEMIG,  CNPq,  CAPES |
| **6** | Análise qualitativa e quantitativa de agregados de solo sob mulching plástico associado à aplicação de fertilizantes químicos e organominerais em área cafeeira | SOUZA, L. A.; SILVA, E. A.; OLIVEIRA, G. C.; BARBOSA, S. M.; SILVA, B. M. Análise qualitativa e quantitativa de agregados de solo sob mulching plástico associado à aplicação de fertilizantes químicos e organominerais em área cafeeira. **Scientia Agraria**, v. 19, n. 2, p. 142-153, 2018.  http://dx.doi.org/10.5380/rsa.v19i2.52826 | --- | B2 | CNPq,  FAPEMIG,  Consórcio Embrapa Café |
| **7** | Analyzing ecological restoration strategies for water and soil conservation | SAAD, S. I.; SILVA, J. M.; SILVA, M. L. N.; GUIMARÃES, J. L. B.; JÚNIOR, W. C. S.; FIGUEIREDO, R. O.; ROCHA, H. R. Analyzing ecological restoration strategies for water and soil conservation. **Plos One**, v. 13, n. 2, p. 1-27, 2018.  <https://doi.org/10.1371/journal.pone.0192325> | 2,766 | A1 | CNPq,  FAPESP |
| **8** | Arbuscular mycorrhizal fungi favor the initial growth of *Acacia mangium*, *Sorghum bicolor*, and *Urochloa brizantha* in soil contaminated with Zn, Cu, Pb, and Cd | PEDROSO, D. F.; BARBOSA, M.; SANTOS, J. V.; PINTO, F. A.; SIQUEIRA, J. O.; CARNEIRO, M. A. C. Arbuscular Mycorrhizal Fungi Favor the Initial Growth of *Acacia mangium*, *Sorghum bicolor*, and *Urochloa brizantha* in Soil Contaminated with Zn, Cu, Pb, and Cd. **Bulletin of Environmental Contamination and Toxicology**, v. 101, n. 3, p. 386-391, 2018.  <https://doi.org/10.1007/s00128-018-2405-6> | 1,480 | B1 | FAPEMIG,  CAPES,  CNPq |
| **9** | Arbuscular mycorrhizal fungi on the biomass and nutrition of *Urochloa decumbens* at different soil densities | SALES, L. R.; SILVA, G. N.; SIQUEIRA, R. H. S.; CARNEIRO, M. A. C.; FAQUIN, V. Arbuscular mycorrhizal fungi on the biomass and nutrition of *Urochloa decumbens* at different soil densities. **Pesquisa Agropecuária Brasileira**, v. 53, n. 8, p. 943-951, 2018.  DOI: 10.1590/S0100-204X2018000800009 | 0,546 | B1 | CNPq,  CAPES,  FAPEMIG |
| **10** | Assessing Pedotransfer functions to estimate the soil water retention | RIBEIRO, B. T.; COSTA, A. M.; SILVA, B. M.; FRANCO, F. O.; BORGES, C. S. Assessing Pedotransfer functions to estimate the soil water retention. **Bioscience Journal,** v. 34, n. 6, p. 177-188, 2018.  DOI: <http://dx.doi.org/10.14393/BJ-v34n6a2018-42371> | 0,404 | B1 | FAPEMIG,  CAPES,  CNPq |
| **11** | Beneficial use of Ni-rich petroleum coke ashes: Product characterization and effects on soil properties and plant growth | RODAK, B. W.; FREITAS, D. S.; LIMA, G. J. E. O.; REIS, A. R.; SCHULZE, J.; GUILHERME, L. R. G. Beneficial use of Ni-rich petroleum coke ashes: Product characterization and effects on soil properties and plant growth. **Journal of Cleaner Production**, v. 198, p. 785-796, 2018.  https://doi.org/10.1016/j.jclepro.2018.07.090 | 5,651 | A1 | CAPES,  CNPq,  FAPEMIG,  Votorantim Metais Company,  Agri-cultural and Environmental Technology Center (CAMPO),  Brazilian Synchrotron Light Laboratory at Campinas |
| **12** | Biofortificação do arroz: chave para melhorar a qualidade do produto e a saúde da população | MARTINS, F. A. D.; CORGUINHA, A. P. B.; LESSA, J. H. L.; RIBEIRO, P. G.; GUILHERME, L. R. G. Biofortificação do arroz: chave para melhorar a qualidade do produto e a saúde da população. **Informe Agropecuário (Belo Horizonte)**, v. 39, p. 77-85, 2018. | --- | B5 | CNPq,  FAPEMIG,  Harvest Zinc,  Harvest Plus |
| **13** | Biological attributes of soil cultivated with corn intercropped with *Urochloa brizantha* in different plant arrangements with and without herbicide | FREITAS, M. A. M.; SILVA, D. V.; GUIMARÃES, F. R.; LEAL, P. L.; MOREIRA, F. M. S.; SILVA, A. A.; SOUZA, M. F. Biological attributes of soil cultivated with corn intercropped with *Urochloa brizantha* in different plant arrangements with and without herbicide application. **Agriculture, Ecosystems & Environment**, v. 254, p. 35-40, 2018.  https://doi.org/10.1016/j.agee.2017.10.026 | 3,541 | A1 | --- |
| **14** | *Bradyrhizobium forestalis* sp. nov., an efficient nitrogen-fixing bacterium isolated from nodules of forest legume species in the Amazon | COSTA, E. M.; GUIMARÃES, A. A.; CARVALHO, T. S.; RODRIGUES, T. L.; RIBEIRO, P. R. A.; LEBBE, L.; WILLEMS, A.; MOREIRA, F. M. S. *Bradyrhizobium forestalis* sp. nov., an efficient nitrogen-fixing bacterium isolated from nodules of forest legume species in the Amazon. **Archives of Microbiology,** v. 200, n. 5, p. 743-752, 2018.  https://doi.org/10.1007/s00203-018-1486-2 | 1,607 | B1 | --- |
| **15** | Carbon stability of engineered biochar-based phosphate fertilizers | CARNEIRO, J. S. S.; FILHO, J. F. L.; NARDIS, B. O.; RIBEIRO-SOARES, J; ZINN, Y. L.; MELO, L. C. A. Carbon Stability of Engineered Biochar-Based Phosphate Fertilizers. **ACS Sustainable Chemistry & Engineering**, v. 6, n. 11, p. 14203-14212, 2018.  DOI: 10.1021/acssuschemeng.8b02841 | 6,140 | A1 | FAPEMIG,  CNPq,  FINEP |
| **16** | Carbon stocks and pools in relation to the texture of kaolinitic soils from the brazilian east coast | GOMES, J. B. V.; SILVA, C. A.; FERREIRA, T. L. de A.; FERREIRA, M. M.; INDA, A. V.; CURI, N. Carbon Stocks and Pools in Relation to the Texture of Kaolinitic Soils from the Brazilian East Coast. **Revista Brasileira de Ciência do Solo**, v. 42, e0170260, 2018.  <https://dx.doi.org/10.1590/18069657rbcs20170260> | 0,799 | A2 | CAPES (PROEX-AUXPE 593/2018) |
| **17** | Cerium (Ce) and lanthanum (La) promoted plant growth and mycorrhizal colonization of maize in tropical soil | VILELA, L. A. F.; RAMOS, S. J.; CARNEIRO, M. A. C. C.; FAQUIN, V.; GUILHERME, L. R. G.; SIQUEIRA, J. O. Cerium (Ce) and lanthanum (La) promoted plant growth and mycorrhizal colonization of maize in tropical soil. **Australian Journal of Crop Science,** v. 12. n. 04, p. 704-710, 2018.  DOI: 10.21475/ajcs.18.12.05.PNE754 | --- | B1 | CNPq,  FAPEMIG |
| **18** | Challenges and opportunities for a sustainable agriculture in Brazil | GUILHERME, L. R. G.; LOPES, A. S.; CORGUINHA, A. P. Challenges and opportunities for a sustainable agriculture in Brazil. **Acta Hortic**. v. 1224, p. 1-6, 2018.  DOI: 10.17660/ActaHortic.2018.1224.1 | ----- | B4 | ---- |
| **19** | Common bean (*Phaseolus vulgaris* l.) growth promotion and biocontrol by rhizobacteria under rhizoctonia solani suppressive and conducive soils | MARTINS, S. A.; SCHURT, D. A.; SEABRA, S. S.; MARTINS, S. J.; RAMALHO, M. A. P.; MOREIRA, F. M. S.; SILVA, J. C. P.; SILVA, J. A. G.; MEDEIROS, F. H. V. **Common bean growth and health promoted by rhizobacteria and the contribution of magnesium to the observed responses.** **Applied Soil Ecology**, v. 127, p. 129-135, 2018.  <https://doi.org/10.1016/j.apsoil.2018.03.007> | 2,916 | A2 | CNPq |
| **20** | Conditions affecting oxide quantification in unknown tropical soils via handheld x-ray fluorescence spectrometer | SANTANA, M. L. T.; RIBEIRO, B. T.; SILVA, S. H. G.; POGGERE, G.C.; GUILHERME , L. R. G.; CURI, N. Conditions affecting oxide quantification in unknown tropical soils via handheld x-ray fluorescence spectrometer. **Soil Research,** v. 56, n.6, p. 648-655, 2018  https://doi.org/10.1071/SR18099 | 1,591 | B1 | CNPq,  CAPES,  FAPEMIG |
| **21** | Co-occurrence patterns between plant-parasitic nematodes and arbuscular mycorrhizal fungi are driven by environmental factors | [FERREIRA](https://www.sciencedirect.com/science/article/pii/S016788091830210X" \l "!), B. S.; [SANTANA](https://www.sciencedirect.com/science/article/pii/S016788091830210X#!), M. V.; [MACEDO](https://www.sciencedirect.com/science/article/pii/S016788091830210X#!), R. S.; [SILVA](https://www.sciencedirect.com/science/article/pii/S016788091830210X#!), J. O.; [ROCHA](https://www.sciencedirect.com/science/article/pii/S016788091830210X#!), M. R. Co-occurrence patterns between plant-parasitic nematodes and arbuscular mycorrhizal fungi are driven by environmental factors. [**Agriculture, Ecosystems & Environment**](https://www.sciencedirect.com/science/journal/01678809), v. [265](https://www.sciencedirect.com/science/journal/01678809/265/supp/C), p. 54-61, 2018.  <https://doi.org/10.1016/j.agee.2018.05.020> | 3,541 | A1 | CAPES,  CNPq,  FAPEMIG |
| **22** | Cultivo de feijão em sistema de plantio direto no cerrado | MOREIRA, S. G.; OLIVEIRA, D. P.; SILVA, C. A.; MENEZES, M. D.; SILVA, D. R. G.; BOTREL, É. P.; LOPES, A. S.; ANDRADE, M. J. B. de. Cultivo de feijão em sistema de plantio direto no cerrado. Informe Agropecuário (Belo Horizonte), v.39 n. 302, 2018, 120 páginas . | - | B5 | Artigo completo está não acessível |
| **23** | *Cupriavidus necator* strains: zinc and cadmium tolerance and bioaccumulation | FERREIRA, P. A. A.; BOMFETI, C. A.; SOARES, C. R. F. de S.; SOARES, B. L.; MOREIRA, F. M. de S. *Cupriavidus* *necator* strains: zinc and cadmium tolerance and bioaccumulation. **Scientia Agricola**, v. *75*, n. 6, p. 452-460, 2018.  <https://dx.doi.org/10.1590/1678-992x-2017-0071> | 1,383 | A1 | FAPEMIG,  CAPES,  CNPq |
| **24** | Digital soil erodibility mapping by soilscape trending and kriging | [AVALOS](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Avalos%2C+Fabio+Arnaldo+Pomar), F. A. P.; [SILVA](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Silva%2C+Marx+Leandro+Naves), M. L. N.; [BATISTA](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Batista%2C+Pedro+Velloso+Gomes), P. V. G.; [PONTES](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Pontes%2C+Lucas+Machado), L. M.; [OLIVEIRA](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Oliveira%2C+Marcelo+Silva), M. S. de. Digital soil erodibility mapping by soilscape trending and kriging. **Land Degradation & Development,** v. 29, n. 9, p. 3021-3028, 2018.  https://doi.org/10.1002/ldr.3057 | 7,27 | A1 | FAPEMIG,  CAPES,  CNPq |
| **25** | Education and gender aspects in soil science graduate studies | MOREIRA, F. M. DE S. Education and gender aspects in soil science graduate studies. **SBCS Bulletin**, n.42, May/August, p.62-64, 2018.  https://www.sbcs.org.br/wp-content/uploads/2018/08/boletimsbcs\_v44\_n2.pdf | ----- | B5 | -- |
| **26** | Effectiveness of arbuscular mycorrhizal fungal isolates from the land uses of amazon region in symbiosis with cowpea | SILVA, G. A. E.; SIQUEIRA, J. O.; STÜRMER, S. L.; MOREIRA, F. M. S. Effectiveness of Arbuscular Mycorrhizal Fungal Isolates from the Land Uses of Amazon Region in Symbiosis with Cowpea. **Anais da Academia Brasileira de Ciências**, v. 90, n. 1, p. 357-371, 2018.  <https://dx.doi.org/10.1590/0001-3765201820160189> | 0,956 | A2 | CAPES,  CNPq |
| **27** | Electrochemical attributes of water from Cerrado wetlands (Veredas), Triângulo Mineiro region, Brazil | NASCIMENTO, D. C.; BERBERT, C. P.; RIBEIRO, B. T. Electrochemical attributes of water from Cerrado wetlands (Veredas), Triângulo Mineiro region, Brazil. **Revista Ciência Agronômica**, v. 49, n. 1, p. 11-21, 2018.  <https://dx.doi.org/10.5935/1806-6690.20180002> | 0.605 | B1 | CNPq,  CAPES,  FAPEMIG |
| **28** | Genotypic variation and biofortification with selenium in Brazilian wheat cultivars | BOLDRIN, P. F.; FAQUIN, V.; CLEMENTE, A. da C. S.; ANDRADE, T. de.; GUILHERME, L. R. G. Genotypic variation and biofortification with selenium in Brazilian wheat cultivars. **Journal of Environmental Quality**, v. 47, n. 6, p. 1371-1379, 2018.  doi:10.2134/jeq2018.01.0045 | 2,405 | A2 | --- |
| **29** | Growth promotion of common bean and genetic diversity of bacteria from amazon pastureland | FERREIRA, L. de V. M.; CARVALHO, F. de; ANDRADE, J. F. C.; MOREIRA, F. M. de S. Growth promotion of common bean and genetic diversity of bacteria from Amazon pastureland. **Scientia Agricola**, v. 75, n. 6, 461-469, 2018.  <https://dx.doi.org/10.1590/1678-992x-2017-0049> | 1.383 | A1 | CAPES,  FAPEMIG,  CNPq |
| **30** | Hidden nickel deficiency? Nickel fertilization via soil improves nitrogen metabolism and grain yield in soybean genotypes | [FREITAS](https://www.ncbi.nlm.nih.gov/pubmed/?term=Siqueira%20Freitas%20D%5BAuthor%5D&cauthor=true&cauthor_uid=29868070), D. S.; [RODAK](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wurr%20Rodak%20B%5BAuthor%5D&cauthor=true&cauthor_uid=29868070), B. W.; [REIS](https://www.ncbi.nlm.nih.gov/pubmed/?term=Rodrigues%20dos%20Reis%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29868070), A. R. dos; [REIS](https://www.ncbi.nlm.nih.gov/pubmed/?term=de%20Barros%20Reis%20F%5BAuthor%5D&cauthor=true&cauthor_uid=29868070),F. de B.; [CARVALHO](https://www.ncbi.nlm.nih.gov/pubmed/?term=Soares%20de%20Carvalho%20T%5BAuthor%5D&cauthor=true&cauthor_uid=29868070), T. S. de; [SCHULZE](https://www.ncbi.nlm.nih.gov/pubmed/?term=Schulze%20J%5BAuthor%5D&cauthor=true&cauthor_uid=29868070), J.; [CARNEIRO](https://www.ncbi.nlm.nih.gov/pubmed/?term=Carbone%20Carneiro%20MA%5BAuthor%5D&cauthor=true&cauthor_uid=29868070), M. A. C.; GUILHERME, L. R. G. Hidden Nickel Deficiency? Nickel Fertilization Via Soil Improves Nitrogen Metabolism And Grain Yield In Soybean Genotypes. 2018. **Frontiers in Plant Science**, v. 9:614, 2018; 9: 614.  doi: [10.3389/fpls.2018.00614](https://dx.doi.org/10.3389%2Ffpls.2018.00614) | 3,677 | A1 | CAPES,  CNPq,  FAPEMIG |
| **31** | Humic acid-phosphate fertilizer interaction and extractable phosphorus in soils of contrasting texture | [ROSA, S. D.; SILVA, C. A.; MALUF, H. J. G. M. Humic acid-phosphate fertilizer interaction and extractable phosphorus in soils of contrasting texture. **Revista Ciência Agronômica**, v. 49, n. 1, p. 32-42, 2018.](http://lattes.cnpq.br/9155330256962381)  [DOI: 10.5935/1806-6690.20180004](http://lattes.cnpq.br/9155330256962381) | 0,605 | B1 | CNPq,  CAPES,  FAPEMIG |
| **32** | Influence of arbuscular mycorrhizal fungi and phosphorus doses in the production of *Parkia nitida* (Miquel) in seedling nursery in the South of Amazonas | TADEU, H. C.; CARNEIRO, M. A. C.; MIRANDA, M. R.; ALHO, L. C.; DE ARAÚJO NETO, P. I.; VIANA, Á. L. Influence of Arbuscular Mycorrhizal Fungi and Phosphorus Doses in the Production of Parkia nitida (Miquel) in Seedling Nursery in the South of Amazonas. **Journal of Experimental Agriculture International**, v. 28, n. 4, p. 1-10, 2018.  DOI: 10.9734/JEAI/2018/44675 | --- | B1 | IFAM |
| **33** | Influence of sulfur on selenium absorption in strawberry | SANTIAGO, F. E. M.; SILVA, M. L. D. S.; RIBEIRO, F. D. O.; CIPRIANO, P. E.; GUILHERME, L. R. G. Influence of sulfur on selenium absorption in strawberry. **Acta Scientiarum Agronomy**, v. 40, e35015, 2018.  Doi: 10.4025/actasciagron.v40i1.35780 | 0,692 | A2 | CNPq,  CAPES,  DCS-UFLA |
| **34** | Initial growth of Fabaceae species: Combined effects of topsoil and fertilizer application for mineland revegetation | SILVA, J. R.; GASTAUER, M.; RAMOS, S. J.; MITRE, S. K.; NETO, A. E. F.; SIQUEIRA, J. O.; CALDEIRA, C. F. Initial growth of Fabaceae species: Combined effects of topsoil and fertilizer application for mineland revegetation. **Flora**, v. 246, p. 109-117, 2018.  https://doi.org/10.1016/j.flora.2018.08.001 | 1,365 | B1 | CNPq |
| **35** | Interaction of K and B in the intensity of Coffee Rust in nutrient solution | VASCO, G. B.; POZZA, E. A.; SILVA, M. G. D.; POZZA, A. A. A.; CHAVES, E. Interaction of K and B in the Intensity of Coffee Rust in Nutrient Solution. **Coffee Science**, v.1, n.2, p.238-244, 2018. | -- | B1 | CNPq,  FAPEMIG,  INCT-Café,  Departamento de Fitopatologia-UFLA. |
| **36** | Is composting a route to solubilize low-grade phosphate rocks and improve MAP-based composts? | MALUF, H. J. G. M.; SILVA, C. A.; MORAIS, E. G. D.; PAULA, L. H. D. D. Is Composting a Route to Solubilize Low-Grade Phosphate Rocks and Improve MAP-Based Composts? **Revista Brasileira de Ciência do Solo**, v. 42, e0170079, 2018.  https://doi.org/10.1590/18069657rbcs20170079 | 0,799 | A2 | CAPES,  FAPEMIG,  CNPq |
| **37** | Kasugamycin influence on bacterial blight of coffee and on green coffee beans physicochemical quality | BARBOSA, R. A.; SANTINI, P. T.; GUILHERME, L. R. G. Kasugamycin influence on bacterial blight of coffee and on green coffee beans physicochemical quality. **Coffee Science**, v. 13, n. 1, p. 98 – 103, 2018.  http://dx.doi.org/10.25186/cs.v13i1.1384 | -- | B1 | FAPEMIG |
| **38** | Knowledge-based digital soil mapping for predicting soil properties in two representative watersheds | MENEZES, M. D. de; SILVA, S. H. G.; MELLO, C. R. D.; OWENS, P. R.; CURI, N. Knowledge-based digital soil mapping for predicting soil properties in two representative watersheds. Scientia Agricola, v. 75, n. 2, p. 144-153, 2018.  http://dx.doi.org/10.1590/1678-992x-2016-0097 | 1,383 | A1 | -- |
| **39** | Lanthanum content and effects on growth, gas exchanges, and chlorophyll index in maize plants | DUARTE, A. C. O.; OLIVEIRA, C. de; RAMOS, S. J.; CASTRO, E. M. de; SIQUEIRA, J. O.; GUILHERME, L. R. G. Lanthanum content and effects on growth, gas exchanges, and chlorophyll index in maize plants. Acta Scientiarum. **Biological Sciences**, v. 40, e38469, 2018  Doi: 10.4025/actascibiolsci.v40i1.38469 | -- | B1 | ITV,  UFLA,  (ITV/UFLA 020-Vale Terras Raras) |
| **40** | Long-term effect of different fertilization and cropping systems on the soil antibiotic resistome | WANG, F.; XU, M.; STEDTFELD, R. D.; SHENG, H.; FAN, J.; LIU, M.; CHAI, B.; CARVALHO, T. S. de.; LI, H.; LI, Z.; HASHSHAM, S. A.; TIEDJE, J. M. Long-term effect of different fertilization and cropping systems on the soil antibiotic resistome. **Environmental Science & Technology**, v. 52, n. 22, p. 13037-13046, 2018.  DOI: 10.1021/acs.est.8b04330 | 6,653 | A1 | Fundação Nacional de Ciência Natural da China,  Fundo da Juventude Outstanding da Fundação de Ciência Natural de Jiangsu,  Projeto Inovador da Academia Chinesa de Ciências,  National Key Programa Básico de Pesquisa da China,  Programa Chave de Ciências Fronteiriças da Academia Chinesa de Ciências,  Centro para Impactos Sanitários da Agricultura (CHIA) da Michigan State University. |
| **41** | Macronutrients accumulation in common bean cv. 'BRSMG Madrepérola' on soil contaminated with mercury. | LIMA, F. R. D.; ENGELHARDT, M. M.; VASQUES, ISABELA C. F.; SILVA, A. O.; MARTINS, G. C.; REIS, R. H. C. L.; PEREIRA, P.; CANDIDO, G. S.; OLIVEIRA, J. R.; MARQUES, J. J. G. S. E. M. Macronutrients accumulation in common bean cv. 'BRSMG Madrepérola' on soil contaminated with mercury. **Annual Report of the Bean Improvement Cooperative** , v. 61, p. 215, 2018.  http://www.bic.uprm.edu/wp-content/uploads/2019/01/BIC-2018-VOL-61-2018.pdf | -- | B3 | CAPES,  CNPq,  FAPEMIG |
| **42** | Maghemite quantification and magnetic signature of Brazilian soils with contrasting parent materials | POGGERE, G. C.; INDA, A. V.; BARRÓN, V.; KÄMPF, N.; DE BRITO, A. D. B.; BARBOSA, J. Z.; CURI, N. Maghemite quantification and magnetic signature of Brazilian soils with contrasting parent materials. Applied Clay Science, v. 161, p. 385-394, 2018.  https://doi.org/10.1016/j.clay.2018.05.014 | 3,641 | B1 | CAPES,  CNPq,  FAPEMIG,  Spain's Ministry of Economy and  Competitiveness,  European Regional Development Fund,  SCAI |
| **43** | Magnesium in the dynamics of carbohydrates and antioxidant metabolism of coffee seedlings in two irradiance levels | DE LIMA DIAS, K. G.; GUIMARÃES, P. T. G.; NETO, A. E. F.; FAQUIN, V.; DE PÁDUA, E. J.; DE SILVEIRA, H. R. O. Magnesium in the dynamics of carbohydrates and antioxidant metabolism of coffee seedlings in two irradiance levels. **Coffee Science**, v. 13, n. 3, p. 365-378, 2018.  http://dx.doi.org/10.25186/cs.v13i3.1482 | -- | B1 | -- |
| **44** | Mapping land use capability in tropical conditions adapting criteria to different levels of agricultural management | TAVEIRA, L. R. S.; MENEZES, M. D. D.; TEIXEIRA, A. F. D. S.; CURI, N. Mapping land use capability in tropical conditions adapting criteria to different levels of agricultural management. **Ciência e Agrotecnologia**, v. 42, n. 6, p. 631-642, 2018.  http://dx.doi.org/10.1590/1413-70542018426026518 | 0,672 | A2 | INCRA,  DCS-UFLA,  CNPq,  CAPES,  FAPEMIG |
| **45** | Mine land rehabilitation: Modern ecological approaches for more sustainable mining | GASTAUER, M.; SILVA, J. R.; JUNIOR, C. F. C.; RAMOS, S. J.; SOUZA FILHO, P. W. M.; NETO, A. E. F.; SIQUEIRA, J. O. Mine land rehabilitation: Modern ecological approaches for more sustainable mining. **Journal of Cleaner Production**, v. 172, p. 1409-1422, 2018.  DOI: 10.1016/j.jclepro.2017.10.223 | 5,651 | A1 | -- |
| **46** | Modelagem da erosão hídrica nas bacias hidrográficas dos rios Lontra e Manoel Alves Pequeno, Tocantins | BARROS, E.N.S.; VIOLA, M. R.; MARTINS, J. A.; MELLO, R. C. R.; AVANZI, J. C; ALVES, M. V. G. Modelagem da erosão hídrica nas bacias hidrográficas dos rios Lontra e Manoel Alves Pequeno, Tocantins. **Revista Brasileira de Ciências Agrárias (Agrária)**, v. 13, n.1, 2018.  DOI:10.5039/agraria.v13i1a5509 | ----- | B1 | -- |
| **47** | Molecular characterization of biochar from five Brazilian agricultural residues obtained at different charring temperatures | SCHELLEKENS, J.; SILVA, C. A; BUURMAN, P.; RITTL, T. F.; DOMINGUES, R. R.; JUSTI, M.; VIDAL-TORRADO, P.; TRUGILHO, P. F. Molecular characterization of biochar from five Brazilian agricultural residues obtained at different charring temperatures. **Journal of Analytical and Applied Pyrolysis**, v. 130, p.106-117, 2018.  doi.org/10.1016/j.jaap.2018.01.020 | 3,468 | A1 | CAPESPROEX AUXPE 590/2014;  CNPq |
| **48** | Monoammonium phosphate coated with polymers and magnesium for coffee plants | GUELFI, D. R.; CHAGAS, W. F. T; LACERDA, J. R.; CHAGAS, R. M. R.; SOUZA, T. L.; ANDRADE, A. B. Monoammonium phosphate coated with polymers and magnesium for coffee plants. **Ciência e Agrotecnologia**, v. 42, n. 3, p. 261-270, 2018.  <https://dx.doi.org/10.1590/1413-70542018423002918> | 0,672 | A2 | -- |
| **49** | Morphogenetic and structural characteristics of signal grass in response to liming and defoliation severity | Pereira, L.E.T.; Herling, V.R.; Avanzi, J.C.; Silva, S.C.. Morphogenetic and structural characteristics of signal grass in response to liming and defoliation severity. **Pesquisa Agropecuária Tropical**, v. 48, n. 1, p. 1-11, 2018.  <https://dx.doi.org/10.1590/1983-40632018v4849212> | ---- | B1 | -- |
| **50** | Morphological adaptations of signal grass in response to liming and cutting severities | PEREIRA, L. E. T.; PASSOS, B. S. A.; HERLING, V. R.; LUZ, P. H. C.; AVANZI, J. C. Morphological adaptations of signal grass in response to liming and cutting severities. **Revista Ciência Agronômica**, v. 49, n. 4, p. 673-682, 2018  DOI: 10.5935/1806-6690.20180076 | 0,605 | B1 | -- |
| **51** | Mycorrhization stimulant in soybean associated with phosphate fertilization in Oxisols | ANDRADE, F. R.; NÓBREGA, J. C. A.; NÓBREGA, R. S. A.; LUSTOSA FILHO, J. F.; ZUFFO, A. M.; MOREIRA, F. M. S. Mycorrhization Stimulant in Soybean Associated with Phosphate Fertilization in Oxisols. **Revista Caatinga**, v. 31, n. 4, p. 823-831, 2018.  <https://dx.doi.org/10.1590/1983-21252018v31n404rc> | 0,421 | B1 | PROCAD/Capes,  CNPq |
| **52** | Nutrição e crescimento do tomateiro em função da interação ácido húmico-boro | MOSCHINI, B. P.; SILVA, C. A.. Nutrição e crescimento do tomateiro em função da interação ácido húmico-boro. **Revista de Ciências Agrárias**, v. 41, n. 3, p. 81-90, 2018.  <https://dx.doi.org/10.19084/RCA18084> | ---- | B2 | -- |
| **53** | Nutrient acquisition and eucalyptus growth affected by humic acid sources and concentrations | MORAIS, E. G.; SILVA, C. A.; ROSA, S. D. Nutrient acquisition and eucalyptus growth affected by humic acid sources and concentrations. **Semina: Ciências Agrárias**, Londrina, v. 39, n. 4, p. 1417-1436, 2018.  DOI: 10.5433/1679-0359.2018v39n4p1417 | ---- | B1 | CAPES,  CNPq |
| **54** | Nutrient and water dynamics of Amazonian *canga* vegetation differ among physiognomies and from those of other neotropical ecosystems | MITRE, S. K.; MARDEGAN, S. F.; CALDEIRA, C. F.; RAMOS, S. J.; NETO, A. E.; SIQUEIRA, J. O.; GASTAUER, M. Nutrient and water dynamics of Amazonian canga vegetation differ among physiognomies and from those of other neotropical ecosystems. **Plant Ecology**, v. 219, p. 1341-1353, 2018.  https://doi.org/10.1007/s11258-018-0883-6 | 1,759 | A2 | CAPES,  CNPq,  FAPEMIG |
| **55** | Portable X-ray fluorescence (pXRF) spectrometery applied to the prediction of chemical attributes in Inceptisols under different land uses | TEIXEIRA, A. F. S.; WEINDORF, D. C.; SILVA, S. H. G.; GUILHERME, L. R. G.; CURI, N. Portable X-ray fluorescence (pXRF) spectrometry applied to the prediction of chemical attributes in Inceptisols under different land uses. **Ciência e Agrotecnologia**, v. 42, n. 5, p. 501-512, 2018.  <https://dx.doi.org/10.1590/1413-70542018425017518> | 0,672 | A2 | CAPES,  CNPq,  FAPEMIG |
| **56** | Propriedades físicas de um Latossolo Vermelho após vinte anos com diferentes sistemas de preparo | CAMPOS, A. G.; OLIVEIRA, M. F.; SILVA, B. M.; FREITAS, D. A. F.; RAMOS, M. C. P. Propriedades Físicas de um Latossolo Vermelho após Vinte Anos com Diferentes Sistemas de Preparo. **Embrapa Milho e Sorgo - Circular Técnica 240 (INFOTECA-E)**, 2018.  http://www.infoteca.cnptia.embrapa.br/infoteca/handle/doc/1097189 | ----- | ----- | ------ |
| **57** | Rapid and low-cost method for evaluation of nutrient release from controlled-release fertilizers using electrical conductivity | CANCELLIER, E. L.; DEGRYSE, F.; SILVA, D. R. G.; SILVA, R. C.; McLAUGHLIN, M. J. Rapid and Low-Cost Method for Evaluation of Nutrient Release from Controlled-Release Fertilizers Using Electrical Conductivity. **Journal of Polymers and the Environment,** v. 26, p.4388–4395, 2018.  https://doi.org/10.1007/s10924-018-1309-1 | 1,971 | B1 | CAPES |
| **58** | Relationship among crop systems, soil cover and water erosion on a Typic Hapludox | LIMA, P. L. T.; SILVA, M. L. N.; QUINTON, J. N.; BATISTA, P. V. G.; CÂNDIDO, B. M.; CURI, N. Relationship Among Crop Systems, Soil Cover, and Water Erosion on a Typic Hapludox. **Revista Brasileira de Ciência do Solo**, v. 42, e0170081, 2018.  <https://dx.doi.org/10.1590/18069657rbcs20170081> | 0,799 | A2 | CAPES,  CNPq,  FAPEMIG |
| **59** | Relationship between soil organic matter fractions and cover plants in Olive post planting | GUIMARÃES, D. V.; SILVA, M. L. N.; BEINIACH, A.; BISPO, D. F. A.; CONTINS, J. G. P.; CURI, N.. Relationship between soil organic matter fractions and cover plants in Olive post planting. **Revista Brasileira de Fruticultura**, v. 40, n. 6, e-027, 2018.  <https://dx.doi.org/10.1590/0100-29452018027> | 0,475 | B1 | CAPES,  CNPq,  FAPEMIG |
| **60** | Rhizobium strains selected from the Amazon region increase the yield of snap bean genotypes in protected cultivation | OLIVEIRA, D. P.; FERREIRA, S.; SOARES, B. L.; FERREIRA, P. A. A.; MORAIS, A. R.; MOREIRA, F. M. S.; ANDRADE, M. J. B. Rhizobium strains selected from the Amazon region increase the yield of snap bean genotypes in protected cultivation. **Bragantia**, v. 77, n. 2, p. 292-298, 2018.  <https://dx.doi.org/10.1590/1678-4499.2017115> | 1,008 | B1 | ----- |
|  |  |  |  |  |  |
| **61** | Selenium protects rice plants from water deficit stress | ANDRADE, F. R.; SILVA, G. N.; GUIMARÃES, K. C.; BARRETO, H. B. F.; SOUZA, K. R. D.; GUILHERME, L. R. G.; FAQUIN, V.; REIS, A. R. Selenium protects rice plants from water deficit stress. **Ecotoxicology and Environmental Safety**, v. 164, p. 562-570, 2018.  doi.org/10.1016/j.ecoenv.2018.08.022 | 3,974 | A1 | CNPq,  CAPES |
| **62** | Soil biodiversity | MOREIRA, F. M. S. Soil Biodiversity. **Boletim Informativo (Sociedade Brasileira de Ciência do Solo)**, v. 44, p. 37-39, 2018.  sbcs.org.br/?post\_type=boletim | - | B5 | CNPq,  CAPES,  FAPEMIG |
| **63** | Soil C:N ratios are unresponsive to land use change in Brazil: a comparative analysis | ZINN, Y. L.; MARRENJO, G. J.; SILVA, C. A. Soil C:N ratios are unresponsive to land use change in Brazil: a comparative analysis. **Agriculture, Ecosystems and Environment**, v. 255, p. 62–72, 2018.  doi.org/10.1016/j.agee.2017.12.019 | 3,541 | A1 | CNPq |
| **64** | Soil compaction during harvest operations in five tropical soils with different textures under eucalyptus forests | MARTINS, P. C. C.; DIAS JUNIOR, M. S.; AJAYI, A. E.; TAKAHASHI, E. N.; TASSINARI, D. Soil compaction during harvest operations in five tropical soils with different textures under eucalyptus forests. **Ciência e Agrotecnologia**, v. 42, p. 58-68, 2018.  doi.org/10.1590/1413-0542018421005217 | 0,672 | A2 | CNPq,  CAPES,  FAPEMIG |
| **65** | Soil management and ionic strength on selenite retention in Oxidic soils | ARAUJO, A. M.; LESSA, J. H. L.; FERREIRA, L. A.; GUILHERME, L. R. G.; LOPES, G. Soil management and ionic strength on selenite retention in Oxidic soils. **Ciência e Agrotecnologia**, v. 42, p. 395-407, 2018.  doi.org/10.1590/1413-70542018424007318 | 0,672 | A2 | CNPq,  CAPES,  FAPEMIG |
| **66** | Soil microbiological attributes indicate recovery of an iron mining area and of the biological quality of adjacent phytophysiognomies | SILVA, A. O.; COSTA, A. M.; TEIXEIRA, A. F. S.; GUIMARÃES, A. A.; SANTOS, J. V.; MOREIRA, F. M. S. Soil microbiological attributes indicate recovery of an iron mining area and of the biological quality of adjacent phytophysiognomies. **Ecological Indicators**, v. 93, p. 142-151, 2018.  doi.org/10.1016/j.ecolind.2018.04.073 | 3,983 | A1 | CNPq,  CAPES,  FAPEMIG |
| **67** | Soil organic carbon retention more affected by altitude than texture in a forested mountain range in Brazil | ZINN, Y. L.; ANDRADE, A. B.; ARAUJO, M. A.; LAL, R. Soil organic carbon retention more affected by altitude than texture in a forested mountain range in Brazil. **Soil Research**, v. 56, p. 284 -295, 2018.  doi.org/10.1071/SR17205 | 1,591 | B1 | -- |
| **68** | Soil organic matter dynamics and land-use change on Oxisols in the Cerrado, Brazil | GMACH, M. R.; DIAS, B. O.; SILVA, C. A.; NÓBREGA, J. C. A.; LUSTOSA-FILHO, J. F.; SIQUEIRA-NETO, M. Soil organic matter dynamics and land-use change on Oxisols in the Cerrado, Brazil. **Geoderma Regional**, v. 14, 2018.  doi.org/10.1016/j.geodrs.2018.e00178 | - | B1 | CNPq |
| **69** | Soil physical and biological properties in an integrated crop-livestock system in the Brazilian Cerrado | BONETTI, J. A.; PAULINO, H. B.; SOUZA, E. D.; CARNEIRO, M. A. C.; CAETANO, J. O. Soil physical and biological properties in an integrated crop-livestock system in the Brazilian Cerrado. **Pesquisa Agropecuária Brasileira**, v.53, p.1239-1247, 2018.  doi.org/10.1590/S0100-204X2018001100006 | 0,546 | B1 | - |
| **70** | Soil quality and soybean productivity in crop-livestock integrated system in no-tillage | LAROCA, J. V. S.; SOUZA, J. M. A.; PIRES, G. C.; PIRES, G. J. C.; PACHECO, L. P.; SILVA, F. D.; WRUCK, F. J.; CARNEIRO, M. A. C.; SILVA, L. S.; SOUZA, E. D. Soil quality and soybean productivity in crop-livestock integrated system in no-tillage. **Pesquisa Agropecuária Brasileira**, v.53, p.1248-1258, 2018.  doi.org/10.1590/S0100-204X20180011000007 | 0,546 | B1 | CNPq |
| **71** | Soil use and management systems, time since adoption, and their impacts over aggregation | SILVA, R. F.; SANTOS, G. G.; NÓBREGA, J. C. A.; SANTOS, D. P.; SILVA JÚNIOR, J. P.; LUSTOSA FILHO, J. F.; OLIVEIRA, G. C.; DIAS, B. O. Soil use and management systems, time since adoption, and their impacts over aggregation. **Revista Brasileira de Ciências Agrárias**, v.13, 2018.  doi.org/10.5039/agraria.v13i3a5544 | -- | B1 | CNPq,  CAPES |
| **72** | Soil weathering analysis using a portable X-ray fluorescence (pXRF) spectrometer in an inceptisol from the Brazilian Cerrado | SILVA, S. H. G.; HARTEMINK, A. E.; TEIXEIRA, A. F. S.; INDA, A. V.; GUILHERME, L. R. G.; CURI, N. Soil weathering analysis using a portable X-ray fluorescence (pXRF) spectrometer in an inceptisol from the brazilian Cerrado. **Applied Clay Science**, v. 162, p. 27–37, 2018.  doi.org/10.1016/j.clay.2018.05.028 | 3,641 | B1 | CNPq,  CAPES,  FAPEMIG |
| **73** | Structure of the landscape and quality of dystrophic red oxisols | AYER, J. E. B.; RANIERO, M.; SERVIDONI, L. E.; OLIVETTI, D.; SILVA, M. L. N.; MINCATO, R. L. Structure of the landscape and quality of dystrophic red oxisols. **Revista Brasileira de Geografia Física**, v. 11, p. 70-84, 2018.  periodicos.ufpe.br/revistas/rbgfe/article/view/234188/pdf\_1 | - | B5 | CNPq,  CAPES,  FAPEMIG |
| **74** | Symbiosis of *Rhizobia* with *Gliricidia sepium* and *Clitoria fairchildiana* in an oxisol in the pre-Amazon region of Maranhão state | COELHO, K. P.; RIBEIRO, P. R. A.; MOURA, E. G.; AGUIAR, A. C. F.; RODRIGUES, T. L.; MOREIRA, F. M. S. Symbiosis of *Rhizobia* with *Gliricidia sepium* and *Clitoria fairchildiana* in an oxisol in the pre-Amazon region of Maranhão state. **Acta Scientiarum.** **Agronomy**, v. 40, 2018.  doi.org/10.4025/actasciagron.v40i1.35248 | 0,692 | A2 | CNPq,  CAPES,  FAPEMIG |
| **75** | Taxa de mineralização do nitrogênio de resíduos orgânicos. | [LISBOA, C. C.](http://lattes.cnpq.br/7551860634736717); LIMA, F. R. D.; REIS, R. H. C. L.; [SILVA, C. A.](http://lattes.cnpq.br/0971091607543044); MARQUES, J. J. Taxa de mineralização do nitrogênio de resíduos orgânicos. Cultura Agronômica (UNESP. ILHA SOLTEIRA), v. 27, p. 341-355, 2018.http://ojs.unesp.br/index.php/rculturaagronomica/article/view/2450/1902 | ----- | B3 | CNPq,  FAPEMIG,  CAPES. |
| **76** | Temporal analysis of brown eye spot of coffee and its response to the interaction of irrigation with phosphorous levels | CHAVES, E.; POZZA, E. A.; NETO, H. S.; VASCO, G. B.; DORNELAS, G. A.; POZZA, A. A. A.; SCALCO, M. S. Temporal analysis of brown eye spot of coffee and its response to the interaction of irrigation with phosphorous levels. **Journal of Phytopathology**, v. 166, p. 488web-499web, 2018.  doi: 10.1111/jph.12723 | 0,823 | B1 | FAPEMIG,  INCT Coffee,  CNPq,  CAPES |
| **77** | The carbon sequestration potential of terrestrial ecosystems | LAL, R.; SMITH, P.; JUNGKUNST, H. F.; MITSCH, W. J.; LEHMANN, J.; NAIR, P. K. R.; MCBRATNEY, A. B.; DE MORAES SÁ, J. C.; SCHNEIDER, J.; ZINN, Y. L.; SKORUPA, A. L. A.; ZHANG, H.; MINASNY, B.; SRINIVASRAO, C.; RAVINDRANATH, N. H. The carbon sequestration potential of terrestrial ecosystems. **Journal of Soil and Water Conservation**, v. 73, p. 145A-152A, 2018.  doi: 10.2489/jswc.73.6.145A | 2,258 | B1 | ----------- |
| **78** | The influence of soil moisture on oxide determination in tropical soils via portable X-ray fluorescence | [RIBEIRO, B. T.](http://lattes.cnpq.br/2810507687595483); WEINDORF, D. C.; SILVA, B. M.; TASSINARI, D.; AMARANTE, L. C.; [CURI, N.](http://lattes.cnpq.br/6078476427954319); [GUILHERME, L. R. G.](http://lattes.cnpq.br/9956829222003643) The Influence of Soil Moisture on Oxide Determination in Tropical Soils via Portable X-ray Fluorescence. **Soil Science Society of America Journal**, v. 0, p. x, 2018  doi:10.2136/sssaj2017.11.0380 | 1,92 | A2 | ----------- |
| **79** | The Occupation of the Brazilian Cerrado | LOPES, A. S.; GUILHERME, L. R. G. The Occupation of the Brazilian Cerrado. **SBCS Bulletin**, n.42, May/August, p.43-46, 2018.  https://www.sbcs.org.br/wp-content/uploads/2018/08/boletimsbcs\_v44\_n2.pdf | ------ | B5 | ----------- |
| **80** | Tolerance to and accumulation of cadmium, copper, and zinc by *C*upriavidus necator | GONTIJO, C. R.; COSTA, A. M. da; MOREIRA, F. M. de S.; ALVES, E. Tolerance to and Accumulation of Cadmium, Copper, and Zinc by *Cupriavidus necator*. **Revista Brasileira de Ciência do Solo (Online**), v. 42, p. e0170080, 2018.  http://dx.doi.org/10.1590/18069657rbcs20170080 | 0,779 | A2 | FAPEMIG,  CNPq,  CAPES. |
| **81** | Topsoil application during the rehabilitation of a manganese tailing dam increases plant taxonomic, phylogenetic and functional diversity | RIBEIRO, R. A.; GIANNINI, T. C.; GASTAUER, M.; AWADE, M.; SIQUEIRA, J. O. Topsoil application during the rehabilitation of a manganese tailing dam increases plant taxonomic, phylogenetic and functional diversity. **Journal of Environmental Management**, v. 227, p. 386-394, 2018.  doi: 10.1016/j.jenvman.2018.08.060. | 4,005 | A1 | ----------- |
| **82** | Transitions to sustainable management of phosphorus in Brazilian agriculture | WITHERS, P. J. A.; RODRIGUES, M.; SOLTANGHEISI, A.; DE CARVALHO, T. S.; GUILHERME, L. R. G.; BENITES, V. de M.; GATIBONI, L. C.; DE SOUSA, D. M. G.; NUNES, R. de S.; ROSOLEM, C. A.; ANDREOTE, F. D.; OLIVEIRA, A. de; COUTINHO, E. L. M.; PAVINATO, P. S. Transitions to sustainable management of phosphorus in Brazilian agriculture. **Scientific Reports**, v. 8, p. 1, 2018.  doi.org/10.1038/s41598-018-20887-ZD0 | 4,122 | A1 | ----------- |
| **83** | Tropical soils characterization at low cost and time using portable X-ray fluorescence spectrometer (pXRF): effects of different sample preparation methods | SILVA, S. H. G.; SILVA, E. A.; POGGERE, G. C.; GUILHERME, L. R. G.; CURI, N. Tropical soils characterization at low cost and time using portable X-ray fluorescence spectrometer (pXRF): effects of different sample preparation methods. **Ciencia e Agrotecnologia**, v. 42, p. 80-92, 2018. http://dx.doi.org/10.1590/1413-70542018421009117 | 0,672 | A2 | CNPq,  CAPES,  FAPEMIG |
| **84** | Using pedological knowledge to improve sediment source apportionment in tropical environments | [BATISTA, P. V. G.](http://lattes.cnpq.br/9214158543618054); LACEBY, J. P.; SILVA, M. L. N.; TASSINARI, D.; BISPO, D. F. A. ; CURI, N.; DAVIES, J.; QUINTON, J. N. Using pedological knowledge to improve sediment source apportionment in tropical environments. **Journal of Soils and Sediments**, v. 18, p. 1, 2018.  https://doi.org/10.1007/s11368-018-2199-5 | 2,627 | A2 | CNPq,  CAPES,  FAPEMIG |
| **85** | Utilização de recursos audiovisuais como estratégia de ensino de Microbiologia do Solo nos ensinos Fundamental II e Médio | [VILAS BOAS, R. C.](http://lattes.cnpq.br/3993988809052920); [NASCIMENTO JUNIOR, A. F.](http://lattes.cnpq.br/4118824759380642); MOREIRA, F.M.S. Utilização de recursos audiovisuais como estratégia de ensino de Microbiologia do Solo nos ensinos fundamental II e Médio. Praxis, v. 10, p. 1-12, 2018  http://revistas.unifoa.edu.br/index.php/praxis/article/view/691/1803 | ------ | B5 | FAPEMIG,  CAPES |
| **86** | Viability of liquid medium-inoculation of rhizobium etli in planting furrows with common bean | [OLIVEIRA, D. P.](http://lattes.cnpq.br/2271405564080985); SOARES, B. L.; MARTINS, F. A. D.; FRANCESCHINI, L. A.; CARDILLO, B. E. da S.; [RUFINI, M.](http://lattes.cnpq.br/0183405541192870); MORAIS, A. R. de; MOREIRA, F. M. de S.; [ANDRADE, M. J. B. de](http://lattes.cnpq.br/8807174189752300). Viability of liquid medium-inoculation of Rhizobium etli in planting furrows with common bean. Pesquisa Agropecuária Brasileira (Online), v. 53, p. 394-398, 2018.http://dx.doi.org/10.1590/s0100-204x2018000300015 | 0,546 | B1 | CNPq,  CAPES,  FAPEMIG. |
| **87** | Water erosion in Oxisol under coffee cultivation | MENDES JÚNIOR, H.; TAVARES, A. S.; SANTOS, W. J. R.; SILVA, M. L. N.; SANTOS, B. R.; MINCATO, R. L. Water Erosion in Oxisol under coffee cultivation. **Revista Brasileira de Ciência do Solo**, v. 42, p. 1-14, 2018  http://dx.doi.org/10.1590/18069657rbcs20170093 | 0,779 | A2 | FAPEMIG,  CNPq |
| **88** | Wheat nutrition and growth as affected by humic acid-phosphate interaction | [ROSA, S. D.](http://lattes.cnpq.br/5599152807974153); SILVA, C. A.; [MALUF, H. J. G. M.](http://lattes.cnpq.br/4962695462080012) Wheat nutrition and growth as affected by humic acid-phosphate interaction. **Journal of Plant Nutrition and Soil Science**, v. 6, p. 201700532, 2018.  doi: 10.1002/jpln.201700532 | 2,116 | A1 | FAPEMIG,  CAPES,  CNPq |
| **89** | Yield and nutrition of greenhouse-grown strawberries (*Fragaria* χ *ananassa* (Duchesne ex Weston) Duchesne ex Rozier. cv. Camarosa) as affected by potassium fertilization | SCHWA[RZ, K.](http://lattes.cnpq.br/1926872057630877); [RESENDE, J. T. V.](http://lattes.cnpq.br/8328754543048690); PIEROZAN-JUNIOR, C.; [PAULA, J. T.](http://lattes.cnpq.br/9332834741904032); BAIER, J. E.; SILVA, M. L. S. E.; OLIVEIRA, F. B. Yield and nutrition of greenhouse-grown strawberries (*Fragaria* × *ananassa* (Duchesne ex Weston) Duchesne ex Rozier. cv. Camarosa) as affected by potassium fertilization. **Acta Agronomica**, v. 67, p. 114, 2018.  <https://doi.org/10.15446/acag.v67n1.59553> | ------- | B2 | CAPES,  CNPq |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Selenium and mercury in brazilian Cerrado soils and their relationships with physical and chemical soil characteristics | CARVALHO, G. S.; OLIVEIRA, J. R.; CURI, N.; SCHULZE, D. G.; MARQUES, J. J. Selenium and mercury in brazilian Cerrado soils and their relationships with physical and chemical soil characteristics. **Chemosphere**, v. 218, p. 412-415, 2019.  doi.org/10.1016/j.chemosphere.2018.11.099 | 4,427 | A1 | CNPq,  CAPES,  FAPEMIG |

\*Professora Fatima, acredito que esse artigo é de 2019.