

Anhang 4:
Publikationsliste Literatur-Survey (vgl. Kap. 1)

Im Rahmen des Surveys wurden alle Artikel aus der Zeitschrift *Journal of Plant Nutrition and Soil Science* (JPNSS) im Zeitraum Januar 1990 bis Oktober 2016 gesichtet, in deren Titel explizit Phosphor oder bestimmte Phosphorverbindungen (z. B. Glyphosat) erwähnt werden.

| | Schlüssel | Bedeutung |
|---------------------------|------------------|--|
| Art der Studie | 0 | Feldstudie |
| | 1 | Nicht-Feldstudie (Modellierung; Versuch in Labor, Treibhaus, Klimakammer) |
| | 3 | Review (Literaturstudie); konzeptioneller Artikel; Data-Mining |
| | | |
| Beprobung vertikal | ?unklar | unklar; nicht spezifiziert; künstliches Substrat |
| | 0 | keine Bodenproben (z. B. Pflanzen-, Sediment-, Wasserproben) |
| | 1 | nur Oberboden (bis maximal 30 cm unter GOF) |
| | 2 | Tiefenstufen inklusive Oberboden |
| | 3 | Tiefenstufen exklusive Oberboden |
| | 42 | vollständige Profile in Tiefenstufen inklusive Oberboden |
| | 45 | vollständige Profile mit horizontweiser Mischbeprobung |
| | 5 | horizontweise Beprobung (Mischproben) |
| Beprobung lateral | ?unklar | unklar; nicht spezifiziert; künstliches Substrat |
| | 0 | kein lateraler Zusammenhang zwischen Entnahmestellen der Proben; keine Bodenproben (z. B. Pflanzen-, Sediment-, Wasserproben) |
| | 1 | Probenentnahme als Transekt/Catena |
| | 2 | flächenhafte Kartierung; Diffusionsexperiment |

| Jahr | Band | Autoren | Titel | Art der Studie | Beprobung vertikal | Beprobung lateral |
|------|----------------|----------------------------------|--|----------------|--------------------|-------------------|
| 1990 | 153(2):89-91 | Kaselowsky, J. et al. | A method for determining phosphate diffusion coefficients by bulk diffusion in soil | 1 | 3 | 0 |
| 1990 | 153(5):333-340 | Becker, M. et al. | Einfluß von NPK auf die Biomasseproduktion und Stickstoffbindung der stengelknöllchenbildenden Gründungsleguminosen <i>Sesbania rostrata</i> und <i>Aeschynomene afraspera</i> im Naßreisanbau | 1 | ?unklar | 0 |
| 1991 | 154(5):337-342 | Richter, D. et al. | Methoden zur Ermittlung von Grenzwerten der Phosphor-, Kalium- und Magnesium-gehalte in Ackerböden | 0 | 0 | 0 |
| 1991 | 154(1):53-57 | Bhadoria, P.B.S. et al. | Phosphate diffusion coefficients in soil as affected by bulk density and water content | 1 | 3 | 0 |
| 1991 | 154(5):321-323 | Müller, I. & W. Höfner | Einfluss der VA-Mykorrhiza auf P-Aufnahme und Regenerationsfähigkeit von Mais (<i>Zea Mais L.</i>) unter Wasserstreß | 1 | ?unklar | 0 |
| 1991 | 154(4):301-305 | Colombo, C. et al. | The contrasting effect of goethite and hematite on phosphate sorption and desorption by Terre Rosse | 1 | ?unklar | ?unklar |
| 1992 | 155(3):233-236 | Gerke, J. & R. Hermann | Adsorption of orthophosphate to humic-Fe-complexes and to amorphous Fe-oxide | 1 | 0 | 0 |
| 1992 | 155(1):71-72 | Polyzopoulos, N.A. & A. Pavlatou | Phosphate sorption isotherms revisited | 3 | 0 | 0 |
| 1992 | 155(2):115-119 | Glaser, B. & P. Drechsel | Beziehungen zwischen "verfügbarem" Bodenphosphat und den Phosphatblattgehalten von <i>Tectona grandis (Teak)</i> in Westafrika | 0 | 1 | 0 |
| 1992 | 155(4):339-343 | Gerke, J. | Phosphate, aluminium and iron in the soil solution of three different soils in relation to varying concentrations of citric acid | 1 | 1+3 | 0 |
| 1993 | 156(3):253-257 | Gerke, J. | Solubilization of Fe(III) from humic-Fe complexes, humic/Fe-oxide mixtures and from poorly ordered Fe-oxide by organic acids - consequences for P adsorption | 1 | 0 | 0 |
| 1993 | 156(5):397-406 | Jungk, A. et al. | Pflanzenverfügbarkeit der Phosphatvorräte ackerbaulich genutzter Böden - Langfristige Feldversuche zur Nutzbarkeit des Bodenphosphors und zur Bewertung der Bodenuntersuchung | 0 | 1 | 0 |
| 1993 | 156(4):301-306 | Wechsung, G. & H. Pagel | Akkumulation und Mobilisation von Phosphaten in einer Schwarzerde im Statischen Dauerversuch Lauchstädt - Betrachtung der P-Bilanz nach 84 Versuchsjahren | 0 | 1 | 0 |

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|------|----------------|-------------------------|--|---|---------|---|
| 1993 | 156(6):501-506 | Soltan, S. et al. | Phosphate sorption by Egyptian, Ethiopian and German soils and P uptake by rye (<i>Secale cereale</i> L.) seedlings | 1 | 1 | 0 |
| 1993 | 156(4):279-285 | Dou, H. & D. Steffens | Mobilität und Pflanzenverfügbarkeit von Phosphor aus organischen und anorganischen Formen in der Rhizosphäre von <i>Lolium perenne</i> | 1 | 1 | 0 |
| 1993 | 156(1):61-66 | Forster, J.C. & W. Zech | Phosphorus status of a soil catena under Liberian evergreen rain forest: result of ^{31}P NMR spectroscopy and phosphorus adsorption experiments | 0 | 1 | 1 |
| 1994 | 157(2):117-123 | Hiller, D.A. | Phosphatbindungsformen auf einem Bergehaldenrekultivierungsversuch | 0 | 1 | 0 |
| 1994 | 157(2):105-110 | Stumpe, H. et al. | Wirkung der Phosphatdüngung in einem 40jährigen Dauerversuch auf einer Sandlöß-Braunschwarzerde in Halle | 0 | 1 | 0 |
| 1994 | 157(5):387-392 | Maduakor, H.O. | Unacidulated and partially acidulated phosphate rock as P sources in an acid Ultisol in the forest zone of southeastern Nigeria | 1 | 1 | 0 |
| 1994 | 157(1):17-22 | Gerke, J. | Kinetics of soil phosphate desorption as affected by citric acid | 1 | 1 | 0 |
| 1994 | 157(1):23-28 | Prodromou, K.P. | Response of phosphate adsorption by acid soils to the use of electrolyte | 1 | 1 | 0 |
| 1994 | 157(4):289-294 | Gerke, J. et al. | The excretion of citric and malic acid by proteoid roots of <i>Lupinus albus</i> L.; effects on soil solution concentrations of phosphate, iron, and aluminium in the proteoid rhizosphere in samples of an Oxisol and a Luvisol | 1 | 2 | 0 |
| 1994 | 157(3):225-232 | Hoffmann, C. et al. | Phosphorus uptake of maize as affected by ammonium and nitrate nitrogen - measurements and model calculations | 1 | ?unklar | 0 |
| 1994 | 157(5):383-385 | Leinweber, P. et al. | Phosphorgehalte von Böden in einem Landkreis mit hoher Konzentration des Viehbestandes | 0 | 1 | 2 |
| 1995 | 158(5):445-451 | Gerke, J. | Phosphate, Fe and Mn uptake of N_2 fixing red clover and ryegrass from an Oxisol as affected by P and model humic substances application. 2. Phosphate and aluminum species distribution as modified by plant roots | 1 | 1 | 0 |
| 1995 | 158(3):261-268 | Gerke, J. et al. | Phosphate, Fe and Mn uptake of N_2 fixing red clover and ryegrass from an Oxisol as affected by P and model humic substances application. 1. Plant parameters and soil solution composition | 1 | 1 | 0 |

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|------|----------------|--------------------------------|--|-----|---|---|
| 1995 | 158(1):3-8 | Römer, W. et al. | Einfluß von Sorte und Phosphordüngung auf den Phosphorgehalt und die Aktivität der sauren Phosphatasen von Weizen und Gerste. Ein Beitrag zur Diagnose der P-Versorgung von Pflanzen | 0+1 | 1 | 0 |
| 1995 | 158(3):293-298 | Makarov, M.I. et al. | Phosphorus status of Eutric Cambisols polluted by P-containing immissions: results of ³¹ P NMR spectroscopy and chemical analysis | 0+1 | 5 | 0 |
| 1996 | 159(3):251-256 | Leinweber, P. | Phosphorus fractions in soils from an area with high density of livestock population | 0 | 1 | 0 |
| 1996 | 159(3):263-270 | Hoffmann, C. & A. Jungk | Influence of soil temperature and soil compaction on growth and P uptake of sugar beet | 1 | 1 | 0 |
| 1996 | 159(4):409-410 | Drechsel, P. et al. | Effect of modifications of the P-Bray no. 1 method on soil test results | 1 | 1 | 0 |
| 1996 | 159(4):327-332 | Hartikainen, H. & M. Yli-Halla | Solubility of soil phosphorus as influenced by urea | 1 | 1 | 0 |
| 1996 | 159(3):271-278 | Wendt, J. et al. | Höhe der Erhaltungsdüngung und Ausnutzung von Düngerphosphat vor dem Hintergrund der P-Alterung im Boden | 0+1 | 1 | 0 |
| 1996 | 159(5):467-470 | Makarov, M.I. et al. | Organic phosphorus species in humic acids of mountain soils along a toposequence in the Northern Caucasus | 0 | 1 | 1 |
| 1997 | 160(1):107-111 | Richter, C. et al. | Einfluß unterschiedlicher Düngung auf pH, N, C und die Gehalte an CAL-extrahierbarem K und P im Boden | 0 | 1 | 0 |
| 1998 | 161(4):385-393 | Bach, M. & H.-G. Frede | Agricultural nitrogen, phosphorus and potassium balances in Germany - Methodology and trends 1970 to 1995 | 1 | 0 | 0 |
| 1998 | 161(1):35-39 | Römer, W. & J. Fahning | Phosphataufnahme und -verwertung von drei Inzuchtlinien des Welschen Weidelgrases (<i>Lolium multiflorum</i> Lam.) und ihren Hybriden | 1 | 0 | 0 |
| 1998 | 161(4):465-478 | Schilling, G. et al. | Phosphorus availability, root exudates, and microbial activity in the rhizosphere | 3 | 0 | 0 |
| 1998 | 161(3):261-266 | Assimakopoulos, J. et al. | The fate of freshly added phosphorus in representative agricultural soils | 1 | 2 | 0 |
| 1999 | 162(1):83-88 | Beißner, L. & W. Römer | Der Einfluß von P-Ernährung und pH auf die Phosphataseaktivität von Zuckerrübenwurzeln | 1 | 0 | 0 |
| 1999 | 162(6):561-569 | Beißner, L. & W. Römer | Ermittlung kinetischer Parameter der sauren Phosphatasen intakter Zuckerrübenwurzeln bei variiertem Phosphatnahrung | 1 | 0 | 0 |

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|------|----------------|------------------------------|---|---|---------|---------|
| 1999 | 162(1):71-73 | Fink, M. et al. | Nitrogen, phosphorus, potassium and magnesium contents of field vegetables -Recent data for fertiliser recommendations and nutrient balances | 3 | 0 | 0 |
| 1999 | 162(3):353-358 | Egle, K. et al. | Improved phosphorus efficiency of three new wheat genotypes from CIMMYT in comparison with an older Mexican variety | 0 | 1 | 0 |
| 1999 | 162(2):201-205 | Zubillaga, M.S. & L. Giuffré | Soil phosphorus mobilization in different taxonomic orders | 0 | 1 | 0 |
| 1999 | 162(5):463-469 | Zorn, W. & O. Krause | Untersuchungen zur Charakterisierung des pflanzenverfügbaren Phosphats in Thüringer Carbonatböden | 1 | 1 | 0 |
| 2000 | 163(4):387-392 | Deubel, A. et al. | Transformation of organic rhizodepositions by rhizosphere bacteria and its influence on the availability of tertiary calcium phosphate | 1 | 0 | 0 |
| 2000 | 163(2):213-219 | Gerke, J. et al. | The quantitative effect of chemical phosphate mobilization by carboxylate anions on P uptake by a single root. 2. The importance of soil and plant parameters for uptake of mobilized P | 1 | 0 | 0 |
| 2000 | 163(5):491-497 | Baum, C. & F. Makeschin | Effects of nitrogen and phosphorus fertilization on mycorrhizal formation of two poplar clones (<i>Populus trichocarpa</i> and <i>P. tremula x tremuloides</i>) | 0 | 1 | 0 |
| 2000 | 163(4):353-357 | Gransee, A. & W. Merbach | Phosphorus dynamics in a long-term P fertilization trial on Luvic Phaeozem at Halle | 0 | 2 | 0 |
| 2000 | 163(3):273-277 | Mercik, S. et al. | The fate of nitrogen, phosphorus and potassium in long-term experiments in Skierniewice | 0 | 2 | 0 |
| 2000 | 163(4):393-398 | Neeru, N. et al. | Effect of P-solubilizing <i>Azotobacter chroococcum</i> on N, P, K uptake in P-responsive wheat genotypes grown under greenhouse conditions | 1 | ?unklar | 0 |
| 2000 | 163(2):207-212 | Gerke, J. et al. | The quantitative effect of chemical phosphate mobilization by carboxylate anions on P uptake by a single root. 1. The basic concept and determination of soil parameters | 1 | ?unklar | ?unklar |
| 2001 | 164(5):533-539 | Steingrobe, B. | Root renewal of sugar beet as a mechanism of P uptake efficiency | 0 | 0 | 0 |
| 2001 | 164(4):445-450 | Graeff, S. et al. | Use of reflectance measurements for the early detection of N, P, Mg, and Fe deficiencies in <i>Zea mays</i> L. | 0 | 0 | 0 |

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|------|----------------|------------------------------|---|---|---------|---------|
| 2001 | 164(2):219-223 | Hunter, D.A. & D.W.M. Leung | Enhancement of acid phosphatase activity in <i>Capsicum annuum</i> L. plants in response to phosphate deficiency | 1 | 0 | 0 |
| 2001 | 164(3):279-282 | Tarafdar, J.C. et al. | Comparative efficiency of acid phosphatase originated from plant and fungal sources | 1 | 0 | 0 |
| 2001 | 164(2):209-217 | Bucher, M. et al. | Molecular and biochemical mechanisms of phosphorus uptake into plants | 3 | 0 | 0 |
| 2001 | 164(2):147-154 | Schmidt, W. | From faith to fate: Ethylene signaling in morphogenetic response to P and Fe deficiency | 3 | 0 | 0 |
| 2001 | 164(3):335-342 | Keller, H. & W. Römer | Cu-, Zn- und Cd-Aneignungsvermögen von zwei Spinatgenotypen in Abhängigkeit von der P-Versorgung und Wurzelexsudation | 1 | 1 | 0 |
| 2001 | 164(1):65-70 | Grunewald, K. et al. | Behavior of glyphosate and aminomethylphosphonic acid (AMPA) in soils and water of reservoir Radeburg II catchment (Saxony/Germany) | 0 | 2 | 0 |
| 2001 | 164(6):691-696 | Singh, M. et al. | Soil phosphorus dynamics in a Vertisol as affected by cattle manure and nitrogen fertilization in soybean-wheat system | 0 | 2 | 0 |
| 2001 | 164(3):295-301 | Zhang, G.-L. et al. | Phosphorus-enriched soils of urban and suburban Nanjing and their effect on groundwater phosphorus | 0 | 45 | 0 |
| 2001 | 164(3):321-328 | Römer, W. & I.F. Samie | Einfluss eisenhaltiger Klärschlämme auf Kenngrößen der P-Verfügbarkeit in Ackerböden | 1 | ?unklar | 0 |
| 2001 | 164(1):49-55 | Kristiansen, S.M. et al. | Phosphorus forms as affected by abandoned anthills (<i>Formica polyctena</i> Förster) in forest soils: sequential extraction and liquid-state ³¹ P-NMR spectroscopy | 0 | 1 | 1 |
| 2001 | 164(4):435-439 | Gasparatos, D. & C. Haidouti | A comparison of wet oxidation methods for determination of total phosphorus in soils | 1 | ?unklar | ?unklar |
| 2002 | 165(4):429-434 | Klose, S. & M.A. Tabatabai | Response of phosphomonoesterases in soils to chloroform fumigation | 1 | 1 | 0 |
| 2002 | 165(4):435-440 | Raubuch, M. et al. | Relation between respiration, ATP content, and Adenylate Energy Charge (AEC) after incubation at different temperatures and after drying and rewetting | 1 | 1 | 0 |
| 2002 | 165(3):290-298 | Schlichting, A. et al. | Sequentially extracted phosphorus fractions in peat-derived soils | 0 | 45 | 0 |

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|------|----------------|--------------------------------|---|-----|---------|---|
| 2002 | 165(5):566-572 | Kamh, M. et al. | Mobilization of phosphorus contributes to positive rotational effects of leguminous cover crops on maize grown on soils from northern Nigeria | 1 | ?unklar | 0 |
| 2002 | 165(1):83-91 | Römer, W. & I.F. Samie | Phosphordüngewirkung eisenhaltiger Klärschlämme | 1 | 1+3 | 0 |
| 2003 | 166(4):447-458 | Heathwaite, L. et al. | The conceptual basis for a decision support framework to assess the risk of phosphorus loss at the field scale across Europe | 3 | 0 | 0 |
| 2003 | 166(4):403-408 | Schoumans, O.F. & W.J. Chardon | Risk assessment methodologies for predicting phosphorus losses | 3 | 0 | 0 |
| 2003 | 166(4):438-446 | Tunney, H. et al. | Approaches to calculating P balance at the field-scale in Europe | 3 | 0 | 0 |
| 2003 | 166(4):459-468 | Withers, P.J.A. et al. | Incidental phosphorus losses - are they significant and can they be predicted? | 3 | 0 | 0 |
| 2003 | 166(3):281-290 | Ekenler, M. & M.A. Tabatabai | Responses of phosphatases and arylsulfatase in soils to liming and tillage systems | 0 | 1 | 0 |
| 2003 | 166(1):7-13 | Dodor, D.E. & M.A. Tabatabai | Effect of cropping systems on phosphatases in soils | 0 | 1 | 0 |
| 2003 | 166(4):432-437 | Quinton, J.N. et al. | The potential for soil phosphorus tests to predict phosphorus losses in overland flows | 0 | 1 | 0 |
| 2003 | 166(4):409-415 | Ehlert, P. et al. | Potential role of phosphate buffering capacity of soils in fertilizer management strategies fitted to environmental goals | 1 | 1 | 0 |
| 2003 | 166(5):568-578 | Gallet, A. et al. | Effect of phosphate fertilization on crop yield and soil phosphorus status | 0 | 2 | 0 |
| 2003 | 166(6):750-755 | Ghosal, P.K. et al. | Relative agronomic effectiveness of phosphate rocks and P adsorption characteristics of an Oxic Rhodustalf in Eastern India | 0+1 | 2 | 0 |
| 2003 | 166(2):254-261 | El Dessougi, H. et al. | Growth and phosphorus uptake of maize cultivated alone, in mixed culture with other crops or after incorporation of their residues | 1 | ?unklar | 0 |
| 2003 | 166(1):68-75 | Zhang, Y. et al. | The effect of soil flooding on the transformation of Fe oxides and the adsorption/desorption behavior of phosphate | 1 | ?unklar | 0 |
| 2003 | 166(3):379-384 | Wiese, J. et al. | Soil properties, but not plant nutrients (N, P, K) interact with chemically induced resistance against powdery mildew in barley | 1 | 1+3 | 0 |

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|------|--------------------|-------------------------------------|--|-----|---------|---------|
| 2003 | 166(4):422-431 | Neyroud, J.-A. & P. Lischer | Do different methods used to estimate soil phosphorus availability across Europe give comparable results? | 1 | 1+3 | 0 |
| 2003 | 166(2):197-203 | Halbfaß, S. & K. Grunewald | Räumliche Variabilität der Phosphorgehalte im Oberboden landwirtschaftlich genutzter Flächen in kleinen Einzugsgebieten | 0 | 1 | 1 |
| 2003 | 166(4):416-421 | Celardin, F. | Evaluation of soil P-test values of canton Geneva/Switzerland in relation to P loss risks | 0 | 1 | 2 |
| 2003 | 166(4): S. 469-474 | Kronvang, B. et al. | Phosphorus dynamics and export in streams draining micro-catchments: development of empirical models | 1 | ?unklar | ?unklar |
| 2004 | 167(5):596-601 | Kabba, B.S. & M.S. Aulakh | Climatic conditions and crop-residue differentially affect N, P, and S mineralization in soils with contrasting P status | 1 | 1 | 0 |
| 2004 | 167(1):106-113 | Römer, W. & P. Lehne | Vernachlässigte Phosphor- und Kaliumdüngung im ökologischen Landbau senkt die biologische Stickstofffixierung bei Rotklee und den Kornertrag bei nachfolgendem Hafer | 1 | 1 | 0 |
| 2004 | 167(2):209-213 | Wan, J.H.C. & M.H. Wong | Effects of earthworm activity and P-solubilizing bacteria on P availability in soil | 1 | 1 | 0 |
| 2004 | 167(4):408-416 | Rupp, H. et al. | Effects of extensive land use and re-wetting on diffuse phosphorus pollution in fen areas - results from a case study in the Drömling catchment, Germany | 0 | 42 | 0 |
| 2004 | 167(2):169-176 | Callesen, I. & K. Raulund-Rasmussen | Base cation, aluminium, and phosphorus release potential in Danish forest soils | 0+1 | 45 | 0 |
| 2004 | 167(5):630-636 | Ajourri, A. et al. | Seed priming enhances germination and seedling growth of barley under conditions of P and Zn deficiency | 1 | ?unklar | 0 |
| 2004 | 167(6):701-703 | Torres-Dorante, L.O. et al. | Polyphosphate determination in calcium acetate-lactate (CAL) extracts by indirect colorimetric method | 1 | ?unklar | 0 |
| 2004 | 167(1):66-71 | Zhang, Y. et al. | Effects of aerobic conditions in the rhizosphere of rice on the dynamics and availability of phosphorus in a flooded soil - a model experiment | 1 | ?unklar | 0 |
| 2004 | 167(4):503-508 | Garg, B.K. et al. | The influence of phosphorus nutrition on the physiological response of moth bean genotypes to drought | 1 | ?unklar | 0 |
| 2005 | 168(4):496-502 | Steingrobe, B. | A sensitivity analysis for assessing the relevance of fine-root turnover for P and K uptake | 1 | 0 | 0 |

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|------|----------------|------------------------------|--|---|---------|---|
| 2005 | 168(6):789-796 | Munk, H. et al. | Vergleichende Betrachtung von Verfahren zur Auswertung von Nährstoffsteigerungsversuchen am Beispiel Phosphor | 1 | 0 | 0 |
| 2005 | 168(4):531-540 | Wittenmayer, L. & W. Merbach | Plant responses to drought and phosphorus deficiency: contribution of phytohormones in root-related processes | 3 | 0 | 0 |
| 2005 | 168(1):89-93 | Demaria, P. et al. | Exchangeability of phosphate extracted by four chemical methods | 1 | 1 | 0 |
| 2005 | 168(2):241-247 | Reddy, D.D. et al. | Changes in P fractions and sorption in an Alfisol following crop residues application | 1 | 1 | 0 |
| 2005 | 168(3):364-371 | Steingrobe, B. | Root turnover of faba beans (<i>Vicia faba</i> L.) and its interaction with P and K supply | 0 | ?unklar | 0 |
| 2005 | 168(3):343-351 | Marschner, P. et al. | Growth, phosphorus uptake, and rhizosphere microbial-community composition of a phosphorus-efficient wheat cultivar in soils differing in pH | 1 | ?unklar | 0 |
| 2005 | 168(3):352-358 | Torres-Dorante, L.O. et al. | Hydrolysis rates of inorganic polyphosphates in aqueous solution as well as in soils and effects on P availability | 1 | ?unklar | 0 |
| 2005 | 168(3):307-315 | Heilmann, E. et al. | Spatial variability of sequentially extracted fractions in a silty loam | 0 | 1 | 2 |
| 2006 | 169(2):280-282 | Duponnois, R. et al. | Phosphate-solubilizing potential of the nematophagous fungus <i>Arthrobotrys oligospora</i> | 1 | 0 | 0 |
| 2006 | 169(2):274-279 | Norisada, M. et al. | Effects of phosphate supply and elevated CO ₂ on root acid phosphatase activity in <i>Pinus densiflora</i> seedlings | 1 | 0 | 0 |
| 2006 | 169(6):826-832 | Römer, W. | Vergleichende Untersuchungen zur Pflanzenverfügbarkeit von Phosphat aus verschiedenen P-recycling-Produkten im Keimpflanzenversuch | 1 | 0 | 0 |
| 2006 | 169(1):69-75 | Bol, R. et al. | Phosphorus-31-nuclear magnetic-resonance spectroscopy to trace organic dung phosphorus in a temperate grassland soil | 0 | 1 | 0 |
| 2006 | 169(6):816-825 | Jemo, M. et al. | Genotypic variation for phosphorus uptake dinitrogen fixation in cowpea on low-phosphorus soils of south Cameroon | 0 | 1 | 0 |
| 2006 | 169(4):494-500 | Khan, K.S. & R.G. Joergensen | Microbial C, N, and P relationships in moisture-stressed soils of Potohar, Pakistan | 0 | 1 | 0 |
| 2006 | 169(5):593-604 | Savini, I. et al. | Influence of <i>Tithonia diversifolia</i> and triple superphosphate on dissolution and effectiveness of phosphate rock in acidic soil | 1 | 1 | 0 |
| 2006 | 169(6):784-791 | Thiele-Bruhn, S. | Assessment of the soil phosphorus-mobilization potential by microbial reduction using the Fe(III)-reduction test | 1 | 2 | 0 |

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|------|-----------------|------------------------------|--|---|---------|---|
| 2006 | 169(5):675-678 | Rahmatullah et al. | Phosphate availability from phosphate rock as related to nitrogen form and the nitrification inhibitor DMPP | 1 | 3 | 0 |
| 2006 | 169(4):509-515 | Torres-Dorante, L.O. et al. | Fertilizer-use efficiency of different inorganic polyphosphate sources: effects on soil P availability and plant P acquisition during early growth of corn | 1 | ?unklar | 0 |
| 2007 | 170(2):283-287 | Wani, P.A. et al. | Synergistic effects of the inoculation with nitrogen-fixing and phosphate-solubilizing rhizobacteria on the performance of field-grown chickpea | 0 | 0 | 0 |
| 2007 | 170(1):14-23 | Hüve, K. et al. | Transport of phosphorus in leaf veins of <i>Vicia faba</i> L. | 1 | 0 | 0 |
| 2007 | 170(3):387-391 | McBeath, T.M. et al. | Polyphosphate-fertilizer solution stability with time, temperature, and pH | 1 | 0 | 0 |
| 2007 | 170(4):445-460 | Buczko, U. & R.O. Kuchenbuch | Phosphorus indices as risk-assessment tools in the U.S.A. and Europe - a review | 3 | 0 | 0 |
| 2007 | 170: S. 623-628 | Eichler-Löbermann, B. et al. | Effect of organic, inorganic, and combined organic and inorganic P fertilization on plant P uptake and soil P pools | 0 | 1 | 0 |
| 2007 | 170(6):729-738 | Herr, C. et al. | Seasonal effect of the exotic invasive plant <i>Solidago gigantea</i> on soil pH and P fractions | 0 | 1 | 0 |
| 2007 | 170(4):500-505 | Quintero, C.E. et al. | Effects of soil flooding on P transformations in soil of the Mesopotamia region, Argentina | 1 | 1 | 0 |
| 2007 | 170(4):495-499 | Dheri, G.S. et al. | Influence of phosphorus application on growth and cadmium uptake of spinach in two cadmium-contaminated soils | 1 | 1 | 0 |
| 2007 | 170(6):745-752 | Muhammad, S. et al. | Compost and P amendments for stimulating microorganisms and maize growth in a saline soil from Pakistan in comparison with a nonsaline soil from Germany | 1 | 1 | 0 |
| 2007 | 170(2):205-209 | Somado, E.A. et al. | Application of low-phosphorus-containing legume residues reduces extractable phosphorus in a tropical Ultisol | 1 | 1 | 0 |
| 2007 | 170(3):404-411 | Rose, T.J. et al. | Differential accumulation patterns of phosphorus and potassium by canola cultivars compared to wheat | 1 | 2 | 0 |
| 2007 | 170(6):803-810 | Burman, U. et al. | Interactive effects of phosphorus, nitrogen, and thiourea on clusterbean (<i>Cyamopsis tetragonoloba</i> L.) under rainfed conditions of the Indian arid zone | 0 | ?unklar | 0 |

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|------|----------------|-----------------------------------|---|---|---------|---|
| 2007 | 170(5):629-631 | Trivedi, P. & A. Pandey | Application of immobilized cells of <i>Pseudomonas putida</i> strain MTCC 6842 in alginate to solubilize phosphate in culture medium and soil | 1 | ?unklar | 0 |
| 2007 | 170(2):244-249 | Yuan, D.-G. et al. | Variations of soil phosphorus accumulation in Nanjing, China as affected by urban development | 0 | 45 | 2 |
| 2008 | 171(5):804-809 | Khandan-Mirkohi, A. & M.K. Schenk | Phosphorus dynamics in peat-based substrates | 1 | 0 | 0 |
| 2008 | 171(4):552-575 | Delgado, A. & R. Scalenghe | Aspects of phosphorus transfer from soils in Europe | 3 | 0 | 0 |
| 2008 | 171(2):266-271 | Ma, Q. & Z. Rengel | Phosphorus acquisition and wheat growth are influenced by shoot phosphorus status and soil phosphorus distribution in a slit-root system | 1 | 1 | 0 |
| 2008 | 171(4):613-620 | Kruse, J. & P. Leinweber | Phosphorus in sequentially extracted fen peat soils: A K-edge X-ray adsorption near-edge structure (XANES) spectroscopy study | 0 | 2 | 0 |
| 2008 | 171(5):810-820 | Deressa, T.G. & M. K. Schenk | Contribution of roots and hyphae to phosphorus uptake of mycorrhizal onion (<i>Allium cepa</i> L.) - a mechanistic modeling approach | 1 | 3 | 0 |
| 2008 | 171(4):621-633 | Godlinski, F. et al. | Simulation of phosphorus losses from lysimeters | 1 | 42 | 0 |
| 2009 | 172(3):353-359 | Jalali, M. & F. Ranjbar | Rates of decomposition and phosphorus release from organic residues related to residue composition | 1 | 0 | 0 |
| 2009 | 172(3):369-377 | Khandan-Mirkohi, A. & M.K. Schenk | Phosphorus efficiency of ornamental plants in peat substrates | 1 | 0 | 0 |
| 2009 | 172(6):821-828 | Ratjen, A.M. & J. Gerendás | A critical assessment of the suitability of phosphite as a source of phosphorus | 1 | 0 | 0 |
| 2009 | 172(3):378-384 | Thao, H.T.B. et al. | Effect of phosphite-phosphate interaction on growth and quality of hydroponic lettuce (<i>Lactuca sativa</i>) | 1 | 0 | 0 |
| 2009 | 172(3):305-325 | Negassa, W. & P. Leinweber | How does the Hedley sequential phosphorus fractionation reflect impacts of land use and management on soil phosphorus: a review | 3 | 0 | 0 |
| 2009 | 172(3):385-392 | Günes, A. et al. | Effects of phosphate-solubilizing microorganisms on strawberry yield and nutrient concentrations | 1 | 1 | 0 |
| 2009 | 172(1):101-107 | Nafiu, A. | Effects of soil properties on the kinetics of desorption of phosphate from Alfisols by anion-exchange resins | 1 | 1 | 0 |

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|------|----------------|----------------------------|--|-----|---------|-----|
| 2009 | 172(3):336-345 | Uygur, V. & I. Karabatak | The effect of organic amendments on mineral phosphate fractions in calcareous soils | 1 | 1 | 0 |
| 2009 | 172(5):669-677 | Balemi, T. & M.K. Schenk | Genotypic variation of potato for phosphorus efficiency and quantification of phosphorus uptake with respect to root characteristics | 1 | 3 | 0 |
| 2009 | 172(3):360-368 | Rose, T.J. et al. | Crop species differ in root plasticity response to localised P supply | 1 | ?unklar | 0 |
| 2009 | 172(3):404-407 | Sahrawat, K.L. et al. | Comparative evaluation of Ca chloride and Ca phosphate for extractable sulfur in soils with a wide range in pH | 1 | ?unklar | 0 |
| 2009 | 172(3):346-352 | Tunney, H. et al. | Relationship of soil phosphorus with uranium in grassland mineral soils in Ireland using soils from a long-term phosphorus experiment and a national soil database | 0+1 | 1 | 0+2 |
| 2010 | 173(6):946-951 | Li, C. et al. | Effect of long-term cattle grazing on seasonal nitrogen and phosphorus concentrations in range forage species in the fescue grassland of southwestern Alberta | 0 | 0 | 0 |
| 2010 | 173(3):353-359 | Ngwene, B. et al. | Phosphorus uptake by cowpea plants from sparingly available or soluble sources as affected by nitrogen form and arbuscular-mycorrhiza-fungal inoculation | 1 | 0 | 0 |
| 2010 | 173(6):805-807 | Prietz, J. et al. | Phosphorus speciation of forest-soil organic surface layers using P K-edge XANES spectroscopy | 0 | 1 | 0 |
| 2010 | 173(3):337-344 | Eich-Greathorex, S. et al. | Effect of phosphorus status of the soil on selenium availability | 1 | 1 | 0 |
| 2010 | 173(2):284-290 | Mori, A. & K. Okada | Phosphate buffer-extractable organic nitrogen as an index of soil-N availability for sorghum and pearl millet | 1 | 1 | 0 |
| 2010 | 173(3):332-336 | Soinne, H. et al. | Effect of air-drying on phosphorus fractions in clay soil | 1 | 1 | 0 |
| 2010 | 173(3):345-352 | Wang, Y. & Y. Zhang | Soil-phosphorus distribution and availability as affected by greenhouse subsurface irrigation | 1 | 3 | 0 |
| 2010 | 173(5):765-771 | Steffens, D. et al. | Organic soil phosphorus considerably contributes to plant nutrition but is neglected by routine soil-testing methods | 1 | 3 | 0 |
| 2010 | 173(3):323-331 | Fu, W. et al. | Spatial variation of soil test phosphorus in a long-term grazed experimental grassland field | 0 | 1 | 2 |

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|------|----------------|------------------------------|---|---|---|---|
| 2011 | 174(1):3-11 | Carvalhais, L.C. et al. | Root exudation of sugars, amino acids, and organic acids by maize as affected by nitrogen, phosphorus, potassium, and iron deficiency | 1 | 0 | 0 |
| 2011 | 174(2):210-219 | Rosas, A. et al. | Phosphorus nutrition alleviates manganese toxicity in <i>Lolium perenne</i> and <i>Trifolium repens</i> | 1 | 0 | 0 |
| 2011 | 174(3):487-495 | Zambrosi, F.C.B. et al. | Plant growth, leaf photosynthesis, and nutrient-use efficiency of citrus rootstocks decrease with phosphite supply | 1 | 0 | 0 |
| 2011 | 174(2):171-185 | Kuchenbuch, R.O. & U. Buczko | Re-visiting potassium- and phosphate-fertilizer responses in field experiments and soil-test interpretations by means of data mining | 3 | 0 | 0 |
| 2011 | 174(1):20-27 | Du, C. et al. | Effect of long-term fertilization on the transformations of water-extractable phosphorus in a fluvo-aquic soil | 0 | 1 | 0 |
| 2011 | 174(2):195-209 | Alt, F. et al. | Phosphorus partitioning in grassland and forest soils of Germany as related to land-use type, management intensity, and land-use related pH | 0 | 1 | 0 |
| 2011 | 174(6):891-898 | Geisseler, D. et al. | Distribution of phosphorus in size fractions of sandy soils with different fertilization histories | 0 | 1 | 0 |
| 2011 | 174(4):523-531 | Jalali, M. & S.S. Tabar | Chemical fractionation of phosphorus in calcareous soils of Hamedan, western Iran under different land use | 0 | 1 | 0 |
| 2011 | 174(1):65-72 | Wang, P. et al. | Arbuscular mycorrhizal development, glomalin-related soil protein (GRSP) content, and rhizospheric phosphatase activity in citrus orchards under different types of soil management | 0 | 1 | 0 |
| 2011 | 174(1):12-19 | Pausch, J. & Y. Kuzyakov | Photoassimilate allocation and dynamics of hotspots in roots visualized by ¹⁴ C phosphor imaging | 1 | 1 | 0 |
| 2011 | 174(6):908-915 | Bachmann, S. et al. | Codigested dairy slurry as a phosphorus and nitrogen source for <i>Zea mays</i> L. and <i>Amaranthus cruentus</i> L. | 1 | 1 | 0 |
| 2011 | 174(1):38-46 | Jalali, M. et al. | Kinetics of phosphorus release from calcareous soils under different land use in Iran | 1 | 1 | 0 |
| 2011 | 174(2):220-228 | Jalali, M. & L. Karamnejad | Phosphorus leaching in a calcareous soil treated with plant residues and inorganic fertilizer | 1 | 1 | 0 |
| 2011 | 174(4):602-613 | Krey, T. et al. | Interactive effects of plant growth-promoting rhizobacteria and organic fertilization on P nutrition of <i>Zea mays</i> L. and <i>Brassica napus</i> L. | 1 | 1 | 0 |

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|------|----------------|-------------------------------|---|---|----|---|
| 2011 | 174(2):186-194 | Rochayati, S. et al. | Use of reactive phosphate rocks as fertilizer on acid upland soils in Indonesia: accumulation of cadmium and Zinc in soils and shoots of maize plants | 1 | 1 | 0 |
| 2011 | 174(6):899-907 | Sinegani, A.A.S. & T. Rashidi | Changes in phosphorus fractions in the rhizosphere of some crop species under glasshouse conditions | 1 | 1 | 0 |
| 2011 | 174(1):47-55 | Predotova, M. et al. | Mineral-nitrogen and phosphorus leaching from vegetable gardens in Niamey, Niger | 0 | 42 | 0 |
| 2012 | 175(2):319-330 | Zobiole, L.H.S. et al. | Glyphosate effects on photosynthesis, nutrient accumulation, and nodulation in glyphosate-resistant soybean | 0 | 0 | 0 |
| 2012 | 175(6):805-809 | Nadeem, M. et al. | Seed phosphorus remobilization is not a major limiting step for phosphorus nutrition during early growth of maize | 1 | 0 | 0 |
| 2012 | 175(6):854-859 | Shi, Y.-C. et al. | Sucrose phosphate synthase plays a key role in boron-promoted sucrose synthesis in tobacco leaves | 1 | 0 | 0 |
| 2012 | 175(4):595-603 | Walker, R.L. et al. | The effect of co-composted cabbage and ground phosphate rock on the early growth and P uptake of oilseed rape and perennial ryegrass | 1 | 0 | 0 |
| 2012 | 175(4):582-594 | Yang, X. et al. | Contribution of N:P ratio and endogenous phytohormones during development of phosphorous toxicity in <i>Brassica campestris</i> spp. <i>parachinensis</i> | 1 | 0 | 0 |
| 2012 | 175(2):196-211 | Rejsek, K. et al. | Acid phosphomonoesterase (E.C. 3.1.3.2) location in soil | 3 | 0 | 0 |
| 2012 | 175(3):385-393 | Keller, M. et al. | Phosphorus forms and enzymatic hydrolyzability of organic phosphorus in soils after 30 years of organic and conventional farming | 0 | 1 | 0 |
| 2012 | 175(6):818-826 | Turan, M. et al. | Yield promotion and phosphorus solubilization by plant growth-promoting rhizobacteria in extensive wheat production in Turkey | 0 | 1 | 0 |
| 2012 | 175(2):293-302 | Huang, X. et al. | Growth, P accumulation, and physical characteristics of two ecotypes of <i>Polygonum hydropiper</i> as affected by excess P supply | 1 | 1 | 0 |
| 2012 | 175(3):377-384 | Adesanwo, O.O. et al. | Effect of legume incorporation on solubilization of Ogun phosphate rock on slightly acidic soils in SW Nigeria | 1 | 1 | 0 |
| 2012 | 175(1):78-85 | Fuentes, B. et al. | Dissolved phosphorus composition of grassland leachates following application of dairy-slurry size fractions | 1 | 1 | 0 |

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|------|----------------|-----------------------------|---|-----|---|---|
| 2012 | 175(1):108-114 | Khan, K.S. & R.G Joergensen | Compost and phosphorus amendments for stimulating microorganisms and growth of ryegrass in a Ferralsol and a Luvisol | 1 | 1 | 0 |
| 2012 | 175(4):560-571 | Mahdy, A.M. | Soil -solution speciation by MINEQL+4.6 model and plant uptake of Cd and Zn by barley (<i>Hordeum vulgare</i> L.) after application of different phosphate fertilizers | 1 | 1 | 0 |
| 2012 | 175(6):799-804 | Rose, T.J. et al. | Seeds of doubt: Re-assessing the impact of grain P concentrations on seedling vigor | 1 | 1 | 0 |
| 2012 | 175(3):423-433 | Wu, F. et al. | Effects of earthworms and plant growth-promoting rhizobacteria (PGPR) on availability of nitrogen, phosphorus, and potassium in soil | 1 | 1 | 0 |
| 2012 | 175(6):827-839 | Özgül, M. et al. | The effects of freeze-and-thaw cycles on phosphorus availability in highland soils in Turkey | 1 | 1 | 0 |
| 2012 | 175(6):810-871 | Rubio, G. et al. | Rhizosphere phosphorus depletion by three crops differing in their phosphorus critical levels | 0+1 | 1 | 0 |
| 2012 | 175(3):339-344 | Li, C. et al. | Changes in soil C, N, and P with long-term (58 years) cattle grazing on rough fescue grassland | 0 | 2 | 0 |
| 2012 | 175(5):721-728 | Xu, G. et al. | Phosphorus fractions and profile distribution in newly formed wetland soils along a salinity gradient in the Yellow River Delta in China | 0 | 2 | 1 |
| 2013 | 176(6):929-941 | Zhou, Q.-P. et al. | Comparisons among cultivars of wheat, hulless and hulled oats: dry matter, N and P accumulation and partitioning as affected by N supply | 0 | 0 | 0 |
| 2013 | 176(4):494-496 | Takahashi, S. | Phosphorus characterization of manure composts and combined organic fertilizers by a sequential-fractionation method | 1 | 0 | 0 |
| 2013 | 176(6):910-920 | Pätzold, S. et al. | Soil phosphorus fractions after seven decades of fertilizer application in the Rengen Grassland Experiment | 0 | 1 | 0 |
| 2013 | 176(5):696-702 | Alamgir, M. & P. Marschner | Short-term effects of application of different rates of inorganic P and residue P on soil P pools and wheat growth | 1 | 1 | 0 |
| 2013 | 176(5):688-695 | Cabeza, R. et al. | Plant availability of isotopically exchangeable and isotopically nonexchangeable phosphate in soils | 1 | 1 | 0 |
| 2013 | 176(2):217-226 | Piegholdt, C. et al. | Long-term tillage effects on the distribution of phosphorus fractions of loess soils in Germany | 0 | 2 | 0 |

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|------|----------------|--------------------------|---|---|---------|---|
| 2013 | 176(3):387-399 | Woodson, P. et al. | Field-scale potassium and phosphorus fluxes in the bioenergy crop switchgrass: theoretical energy yields and management implications | 0 | 2 | 0 |
| 2014 | 177(6):860-868 | Abat, M. et al. | Formulation, synthesis and characterization of boron phosphate (BPO ₄) compounds as raw materials to develop slow-release boron fertilizers | 1 | 0 | 0 |
| 2014 | 177(6):892-902 | Singh, S.K. & V.R. Reddy | Combined effects of phosphorus nutrition and elevated carbon dioxide concentration on chlorophyll fluorescence, photosynthesis, and nutrient efficiency of cotton | 1 | 0 | 0 |
| 2014 | 177(2):128-136 | Urrutia, O. et al. | Physico-chemical characterization of humic-metal-phosphate complexes and their potential application to the manufacture of new types of phosphate-based fertilizers | 3 | 0 | 0 |
| 2014 | 177(2):260-270 | Li, H. et al. | How strawberry plants cope with limited phosphorus supply: nursery-crop formation and phosphorus and nitrogen uptake dynamics | 0 | 1 | 0 |
| 2014 | 177(3):378-387 | Xu, X. et al. | Nutrient limitation of alpine plants: implications from leaf N:P stoichiometry and leaf d ¹⁵ N | 0 | 1 | 0 |
| 2014 | 177(3):343-348 | Zhang, Y. et al. | Availability of soil nitrogen and phosphorus under elevated (CO ₂) and temperature in the Taihu Lake region, China | 0 | 1 | 0 |
| 2014 | 177(2):159-167 | Slazak, A. et al. | Phosphorus pools in soil after land conversion from silvopasture to arable and grassland use | 0 | 1 | 0 |
| 2014 | 177(2):208-215 | Zhang, S. et al. | Iron-reducing bacteria can enhance the activation and turnover of the Fe(III)-fixed phosphorus for mycorrhizal plants | 1 | 1 | 0 |
| 2014 | 177(1):75-83 | Siebers, N. et al. | Bone char as phosphorus fertilizer involved in cadmium immobilization in lettuce, wheat, and potato cropping | 1 | 1 | 0 |
| 2014 | 177(1):84-90 | Weber, B. et al. | Phosphorus bioavailability of biochars produced by thermo-chemical conversion | 1 | 3 | 0 |
| 2014 | 177(3):369-377 | Ekelöf, J.E. et al. | Recovery of phosphorus fertilizer in potato as affected by application strategy and soil type | 1 | ?unklar | 0 |
| 2014 | 177(6):884-891 | Zhan, A. et al. | The combination of localized phosphorus and water supply indicates a high potential for savings of irrigation water and phosphorus fertilizer | 1 | ?unklar | 0 |

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|------|----------------|------------------------------|---|---|----|---|
| 2014 | 177(5):792-802 | Galván-Tejada, N.C. et al. | Soil P fractions in a volcanic soil chronosequence of Central Mexico and their relationship to foliar P in pine trees | 0 | 2 | 1 |
| 2015 | 178(2):339-344 | Belinque, H. et al. | Utilization of organic phosphorus sources by oilseed rape, sunflower, and soybean | 1 | 0 | 0 |
| 2015 | 178(1):155-164 | Binner, I. et al. | Phosphorus buffering capacity of substrate clays and its significance for plant cultivation | 1 | 0 | 0 |
| 2015 | 178(5):807-815 | Fernandez, M.C. & G. Rubio | Root morphological traits related to phosphorus-uptake efficiency of soybean, sunflower, and maize | 1 | 0 | 0 |
| 2015 | 178(5):792-797 | Sung, J. et al. | Compositional changes of selected amino acids, organic acids, and soluble sugars in the xylem sap of N, P, or K-deficient tomato plants | 1 | 0 | 0 |
| 2015 | 178(6):878-887 | Yan, Y. et al. | Desorption of myo-inositol hexakisphosphate and phosphate from goethite by different reagents | 1 | 0 | 0 |
| 2015 | 178(3):351-364 | Gerke, J. | The acquisition of phosphate by higher plants: effect of carboxylate release by the roots. A critical review | 3 | 0 | 0 |
| 2015 | 178(1):43-88 | Kruse, J. et al. | Innovative methods in soil phosphorus research: a review | 3 | 0 | 0 |
| 2015 | 178(4):543-554 | McLaren, T.I. et al. | An assessment of various measures of soil phosphorus and the net accumulation of phosphorus in fertilized soils under pasture | 0 | 1 | 0 |
| 2015 | 178(4):567-575 | Alburquerque, J.A. et al. | Plant growth responses to biochar amendment of Mediterranean soils deficient in iron and phosphorus | 1 | 1 | 0 |
| 2015 | 178(6):904-913 | Kabir, M.E. et al. | Subsoil rhizosphere modification by chickpea under a dry topsoil: implications for phosphorus acquisition | 1 | 1 | 0 |
| 2015 | 178(6):834-840 | Khan, K.S. & R.G. Joergensen | Response of white mustard (<i>Sinapis alba</i>) and the soil microbial biomass to P and Zn addition in a greenhouse pot experiment | 1 | 1 | 0 |
| 2015 | 178(4):555-566 | Wang, Y. et al. | Kinetics of inorganic and organic phosphorus release influenced by low molecular weight organic acids in calcareous, neutral and acidic soils | 1 | 1 | 0 |
| 2015 | 178(3):460-467 | Udom, B.E. & J.O. Ogunwole | Soil organic carbon, nitrogen, and phosphorus distribution in stable aggregates of an Ultisol under contrasting land use and management history | 0 | 2 | 0 |
| 2015 | 178(4):576-581 | Qayyum, M.F. et al. | Effect of biochar, lime, and compost application on phosphorus adsorption in a Ferralsol | 1 | 45 | 0 |

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|------|----------------|---------------------------|--|---|---------|---|
| 2015 | 178(4):582-585 | Wagner, A. et al. | Biochar-induced formation of Zn-P-phases in former sewage field soils studied by P K-edge XANES spectroscopy | 0 | ?unklar | 0 |
| 2015 | 178(6):914-922 | Wang, J. & G. Chu | Phosphate fertilizer form and application strategy affect phosphorus mobility and transformation in a drip-irrigated calcareous soil | 1 | 1 | 1 |
| 2016 | 179(2):151-158 | Yang, N. et al. | Phenology, photosynthesis, and phosphorus in European beech (<i>Fagus sylvatica</i> L.) in two forest soils with contrasting P contents | 0 | 0 | 0 |
| 2016 | 179(4):454-465 | García-López, A.M. et al. | Effect of various microorganisms on phosphorus uptake from insoluble Ca-phosphates by cucumber plants | 1 | 0 | 0 |
| 2016 | 179(2):206-214 | Jindo, K. et al. | Phosphorus speciation and high-affinity transporters are influenced by humic substances | 1 | 0 | 0 |
| 2016 | 179(2):135-150 | Netzer, F. et al. | Drought effects on C, N, and P nutrition and the antioxidative systems of beech seedlings depend on geographic origin | 1 | 0 | 0 |
| 2016 | 179(4):425-438 | Bol, R. et al. | Dissolved and colloidal phosphorus fluxes in forest ecosystems - an almost blind spot in ecosystem research | 3 | 0 | 0 |
| 2016 | 179(2):129-135 | Lang, F. et al. | Phosphorus in forest ecosystems: New insights from an ecosystem nutrition perspective | 3 | 0 | 0 |
| 2016 | 179(2):198-205 | Fink, J.R. et al. | Phosphorus adsorption and desorption in undisturbed samples from subtropical soils under conventional tillage or no-tillage | 0 | 1 | 0 |
| 2016 | 179(4):443-453 | Holzmann, S. et al. | Impact of anthropogenic induced nitrogen input and liming on phosphorus leaching in forest soils | 0 | 1 | 0 |
| 2016 | 179(1):60-66 | Imran, M. et al. | Zinc bioavailability in maize grains in response of phosphorus-zinc interaction | 0 | 1 | 0 |
| 2016 | 179(2):159-167 | Missong, A. et al. | Phosphorus forms in forest soil colloids as revealed by liquid-state ³¹ P-NMR | 0 | 1 | 0 |
| 2016 | 179(3):347-354 | Nebiyu, A. et al. | Phosphorus use efficiency of improved faba bean (<i>Vicia faba</i>) varieties in low-input agro-ecosystems | 0 | 1 | 0 |
| 2016 | 179(4):481-487 | Ro, S. et al. | Effect of phosphorus management in rice-mungbean rotations on sandy soils in Cambodia | 0 | 1 | 0 |
| 2016 | 179(4):472-480 | Bergkemper, F. et al. | The importance of C, N and P as driver for bacterial community structure in German beech dominated forest soils | 0 | 1 | 0 |

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|------|----------------|------------------------|---|---|----|---|
| 2016 | 179(4):466-471 | Beggi, F. et al. | Effects of early mycorrhization and colonized root length on low-soil-phosphorus resistance of West African pearl millet | 1 | 1 | 0 |
| 2016 | 179(5):670-678 | Dinh, M.-V. et al. | Drying-rewetting cycles release phosphorus from forest soils | 1 | 1 | 0 |
| 2016 | 179(3):388-398 | Morshedizad, M. et al. | Effect of bone chars on phosphorus-cadmium-interactions as evaluated by three extraction procedures | 1 | 1 | 0 |
| 2016 | 179(1):67-77 | Chen, L. et al. | Temporal variations in phosphorus fractions and phosphatase activities in rhizosphere and bulk soil during the development of <i>Larix olgensis</i> plantations | 0 | 2 | 0 |
| 2016 | 179(2):168-185 | Prietzl, J. et al. | Speciation of phosphorus in temperate zone forest soils as assessed by combined wet-chemical fractionation and XANES spectroscopy | 0 | 45 | 0 |

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