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506	Analytical Notes. 1976 , 68, 55-56		2
505	The microbiology of the activated-sludge process. 1976 , 6, 233-257		11

504	Measurement of acid precipitation in Norway. 1976 , 6, 231-240	11
503	A modified spectrophotometric methods for nitrate in plants, soils and water by nitration of 3,4-dimethylphenol. 1977 , 90, 215-21	11
502	A nitrosamide-specific detector for use with high-pressure liquid chromatography. 1977 , 133, 59-66	23
501	Determination of nitrate in soil pastes by ion selective electrodes. 1977 , 28, 501-505	10
500	Fire and soil-plant nutrient relations in a pine-wiregrass savanna on the coastal plain of North Carolina. 1977 , 31, 27-44	104
499	Surfactant quaternary ammonium salts in aerobic sewage digestion. 1978 , 12, 1117-1122	32
498	Sulphates and sulphuric acid in the atmosphere in the years 1971-1976 in The Netherlands. 1978 , 12, 785-790	13
497	Output of water, suspended sediment, and phosphorus and nitrogen forms from a small agricultural catchment. 1978 , 21, 29-38	11
496	Relationship between heterotrophic bacteria and phytoplankton in a eutrophic lake with water blooms dominated by <i>Oscillatoria agardhii</i> . 1978 , 20, 788-793	
495	Nitrite. 1979 , 144-153	2
494	Some Effects of Afforestation with Lodgepole Pine on Rates of Nitrogen Mineralization in Peat. 1979 , 52, 151-160	8
493	Nitrate. 1979 , 119-144	11
492	[Analytical methods for nitrate and nitrite in feeds. 1. Spectrophotometric determination of nitrate with o-cresol]. 1979 , 23, 151-7	3
491	[Analytical methods for nitrate and nitrite determination in foods. 3. Spectrophotometric determination of nitrate and nitrite using sulphanilic acid/1-naphylamine, and of nitrite using resorcinol/zirconium (IV) oxychloride]. 1979 , 23, 929-34	5
490	Organic interferences and their elimination in the 2,4-xyleneol spectrophotometric method for nitrate. 1979 , 105, 335-351	7
489	Simultaneous spectrophotometric determination of nitrite and nitrate by flow injection analysis. 1979 , 110, 123-128	162
488	Loss of nitrogen and phosphorus in tile drainage as influenced by urea application and grazing animals. 1979 , 22, 127-131	59
487	Effect of surface-casting earthworms on the transport of phosphorus and nitrogen in surface runoff from pasture. 1979 , 11, 459-462	87

486	A Laboratory Method for Evaluation of Available Nitrogen in Soil. 1980 , 30, 149-156	44
485	Simultaneous determination of nitrate and nitrite by flow injection analysis. 1980 , 114, 191-197	199
484	Evaluation of a KCl-Hydrolyzing Method for Available Nitrogen in Soil by Pot Experiment. 1981 , 31, 251-255	12
483	An investigation of analytical procedures for predicting soil nitrogen supply to grass in the field. 1981 , 32, 211-218	14
482	An improved chemical extraction method for predicting the supply of available soil nitrogen. 1981 , 32, 359-365	47
481	Soil nitrate analysis by cadmium reduction. 1981 , 12, 79-89	37
480	Removal of nitrogen and phosphorus from untreated milking-shed wastes after application to permanent pasture. 1982 , 5, 181-191	1
479	Measurement of the microbial biomass in composted wheat straw, and the possible contribution of the biomass to the nutrition of <i>Agaricus bisporus</i> . 1982 , 14, 609-611	42
478	Influence of contamination on the analysis of precipitation samples. 1982 , 16, 795-800	11
477	Determination of nitrate in meat products and cheese by gas-liquid chromatography with electron-capture detection. 1982 , 235, 173-185	7
476	Automated determination of nitrate in waters with a reduction column in a microcomputer-based stopped-flow sample processing system. 1982 , 142, 119-127	16
475	The nitrogen content of particle size fractions separated from peat and its rate of mineralization during incubation. 1983 , 34, 113-125	25
474	Denitrification loss from a grassland soil in the field receiving different rates of nitrogen as ammonium nitrate. 1983 , 34, 355-365	192
473	Fate of fertilizer nitrogen applied to grassland. I. Field leaching results. 1983 , 34, 483-497	54
472	Durchflussschnellen zur Bestimmung von Hauptkomponenten in Gewässern, Regenwasser und Trinkwasser. 1983 , 314, 627-633	8
471	Transport of ammonium- and nitrate-nitrogen in surface runoff from pasture as influenced by urea application. 1983 , 20, 425-430	14
470	Nitrogen, sulphur and other mineral elements in white clover and perennial ryegrass grown in mixed swards, with and without fertiliser N, at a range of sites in the UK. 1983 , 34, 901-909	13
469	An evaluation of some manual colorimetric methods for the determination of inorganic nitrogen in soil extracts. 1983 , 14, 925-936	15

468	Attenuation of potential pollutants in landfill leachate by lower greensand. 1983 , 1, 31-52	2
467	Nitrate trends in the Coastal Plain aquifer of Israel. 1983 , 66, 331-341	22
466	The Application of Fertilizers to Drained Peat 1. Nutrient Losses in Drainage. 1983 , 56, 155-174	20
465	Nitrogen Transformations and Decomposition in Litter and Humus from beneath Closed-Canopy Sitka Spruce. 1983 , 56, 17-32	31
464	Attenuation of Potential Pollutants in Landfill Leachate By Lower Greensand. 1983 , 1, 31-52	14
463	Effects of an Ectoparasitic Nematode on Bacterial Growth in Gnotobiotic Soil. 1983 , 41, 227	7
462	The rapid determination of nitrate at low concentrations in soil extracts: Comparison of ion-selective electrode with continuous-flow analysis. 1984 , 15, 1437-1451	16
461	Control of soil solution interferences in an automated nitrate method. 1984 , 15, 337-351	13
460	Nitrate leaching from grassland. 1984 , 311, 50-53	230
459	Fate of fertilizer nitrogen applied to grassland. II. Nitrogen-15 leaching results. 1984 , 35, 191-199	31
458	Effects of streptomycin, cycloheximide, Fungizone, captan, carbofuran, cygon, and PCNB on soil microorganisms. 1984 , 10, 345-58	72
457	The uptake of soil and fertilizer-nitrogen by barley growing under Scottish climatic conditions. 1984 , 76, 49-57	21
456	Extractable N and P in relation to microbial biomass in UK acid organic soils. 1984 , 76, 139-148	51
455	Nitrate reduction by shaking with cadmiumAlternative to cadmium columns. 1984 , 18, 643-646	266
454	Portable soil test laboratory results compared to standard soil test values. 1984 , 15, 909-927	2
453	Responses of Noogoora Burr (<i>Xanthium occidentale</i> Bertol.) to Nitrogen Supply and Carbon Dioxide Enrichment. 1985 , 55, 835-844	66
452	The effect of nitrogenous fertilizers on the nitrification of forest soils. 1985 , 6, 139-147	7
451	Nitrogen status of cotton subjected to two short term periods of waterlogging of varying severity using a sloping plot water-table facility. 1985 , 87, 375-391	22

450 Stem-boring Diptera in perennial ryegrass in relation to fertiliser.. **1985**, 106, 31-37

449 Effects on the Forest Floor of Whole-Tree Harvesting in an Appalachian Oak Forest. **1985**, 114, 51 25

448 Automated methods for ammonium, nitrate, and nitrite in 2 M KCl-phenylmercuric acetate extracts of soil. **1985**, 16, 883-898 27

447 Effects of sodium and potassium chlorides on the growth and accumulation of mineral ions by *Cyperus involucratus* Rottb.. **1985**, 21, 201-217 11

446 Field and incubation temperature effects on mobilization of nitrogen, phosphorus and potassium in peat. **1985**, 17, 479-482 4

445 Responses of *Cyperus involucratus* Rottb. to nitrogen and phosphorus, with reference to wastewater reclamation. **1985**, 19, 1379-1386 4

444 Interactions of Bacteria, Fungi, and their Nematode Grazers: Effects on Nutrient Cycling and Plant Growth. **1985**, 55, 119-140 813

443 Fundamental, Ecological and Agricultural Aspects of Nitrogen Metabolism in Higher Plants. **1986**, 4

442 Fractions of nitrogen, sulphur, phosphorus, calcium and magnesium in the herbage of perennial ryegrass as influenced by fertilizer nitrogen. **1986**, 14, 231-242 8

441 Long-term prescribed burning increases nutrient uptake and growth of loblolly pine seedlings. **1986**, 17, 245-252 5

440 Mineralization of nitrogen and phosphorus by mixed cultures of the ciliate protozoan *Colpoda steinii*, the nematode *Rhabditis* SP. and the bacterium *Pseudomonas fluorescens*. **1986**, 18, 637-641 93

439 Nitrification and ammonification in acid forest litter and humus as affected by peptone and ammonium-n amendment. **1986**, 18, 45-51 57

438 Continuous flow analysis in chemical oceanography: Principles, applications and perspectives. *Science of the Total Environment*, **1986**, 49, 27-87 10.2 12

437 Sequential atomic absorption spectrometric determination of nitrate and nitrite in meats by liquid-liquid extraction in a flow-injection system. **1986**, 179, 341-349 25

436 The course of nitrogen uptake by spring barley from soil and fertilizer nitrogen. **1986**, 91, 391-395 37

435 Fate of sheep urine-N applied to an upland grass sward. **1986**, 91, 425-427 16

434 Nitrogen availability beneath pure spruce and mixed larch+spruce stands growing on a deep peat. **1986**, 93, 95-113 42

433 Nitrogen availability beneath pure spruce and mixed larch + spruce stands growing on a deep peat. **1986**, 93, 115-122 9

432	The use of ion exchange resin bags to assess N availability beneath pure spruce and larch + spruce stands growing on a deep peat soil. 1986 , 93, 123-127	7
431	Trophic Interactions and Nitrogen Cycling in a Semi-Arid Grassland Soil. I. Seasonal Dynamics of the Natural Populations, Their Interactions and Effects on Nitrogen Cycling. 1986 , 23, 597	66
430	Sol nitrate determination using the kelowna multiple element extractant. 1986 , 17, 1311-1329	9
429	Automated method for determining nitrate and nitrite in water and soil extracts. 1987 , 18, 625-636	32
428	Effect of fulvic and humic acids on nitrificationpart ii: The nitrifying potential of cecil and davidson soils. 1987 , 18, 855-873	4
427	Translocation of Nitrogenous Compounds in Symbiotic and Nitrate-Fed Amide-Exporting Legumes. 1987 , 38, 567-579	50
426	The effect of sheep urine on clover performance in a grazed upland sward. 1987 , 109, 177-185	32
425	Solute leaching in light-textured soils: prediction of solute leaching in light-textured soils using a chromatographic plate method. 1987 , 78, 341-350	
424	Effect of fulvic and humic acids on nitrificationPart 1: In vitro production of nitrite and nitrate. 1987 , 18, 835-853	8
423	Soil core incubation system for the field measurement of denitrification using acetylene-inhibition. 1987 , 19, 753-757	163
422	Emission of NOx from urine-treated pasture. 1987 , 46, 253-61	22
421	Influence of urea and superphosphate fertilizers on microarthropod numbers and fungal activity during a short-term incubation of material from aPinus radiata D. Don forest floor. 1987 , 103, 143-146	2
420	Effects of carbon and nitrate additions to soil upon leaching of nitrate, microbial predators and nitrogen uptake by plants. 1987 , 102, 229-237	31
419	The effect of fertilization on litter decomposition in clearfelled spruce stands. 1987 , 100, 297-322	35
418	Digestion and excretion of nitrogen and carbohydrate by the crane fly larva Tipula paludosa (Diptera: Tipulidae). 1987 , 17, 277-282	15
417	The fate at several time intervals of 15N-labelled ammonium nitrate applied to an established grass sward. 1987 , 38, 245-254	63
416	Fate of nitrogen in cattle slurry following surface application or injection to grassland. 1987 , 38, 689-700	153
415	Effect of soil compaction by tractor traffic on soil structure, denitrification, and yield of wheat (Triticum aestivum L.). 1987 , 38, 541-552	71

414	Available soil nitrogen in relation to fractions of soil nitrogen and other soil properties. 1988 , 112, 155-165	29
413	The fate of labelled ¹⁵ N urea and ammonium nitrate applied to a winter wheat crop. 1988 , 112, 205-214	81
412	Modelling nutrient mobilisation in intensively mixed peaty heathland soil. 1988 , 107, 113-121	8
411	Nitrogen mineralization and water-table height in oligotrophic deep peat. 1988 , 6, 141	41
410	Denitrification under different cultivated plants: effects of soil moisture tension, nitrate concentration, and photosynthetic activity. 1988 , 6, 271	34
409	Seasonal variation in white clover content and nitrogen fixing (acetylene reducing) activity in a cut upland sward. 1988 , 43, 253-262	17
408	Temporal variations in soil microbial biomass C and N under a spring barley crop. 1988 , 20, 625-630	26
407	A vacuum filtration and leaching method for the colorimetric determination of ammonium and nitrate nitrogen in soils. 1988 , 5, 196-199	1
406	H Cotransports in Corn Roots as Related to the Surface pH Shift Induced by Active H Excretion. 1988 , 88, 1469-73	42
405	The Xylem Ureide Assay of Nitrogen Fixation: Sampling Procedures and Sources of Error. 1988 , 39, 12-22	31
404	Effects of Harvester Ant (<i>Pogonomyrmex rugosus</i>) Nests on Soils and a Spring Annual, <i>Erodium texanum</i> . 1988 , 33, 482	26
403	Nitrogen Dynamics of a Leguminous Green Manure. 1989 , 98-112	4
402	Development of the Xylem Ureide Assay for the Measurement of Nitrogen Fixation by Pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.). 1989 , 40, 535-542	25
401	Microbial populations and activity in two soils of Tanzania as influenced by mercury. 1989 , 5, 533-542	2
400	Effect of HCO ⁻ (3) concentration in the absorption solution on the energetic coupling of H ⁽⁺⁾ -cotransports in roots of <i>Zea mays</i> L. 1989 , 179, 235-41	22
399	An analysis of food-web structure and function in a shortgrass prairie, a mountain meadow, and a lodgepole pine forest. 1989 , 8, 29	66
398	The evaluation and comparison of ion chromatography, segmented flow analysis and flow injection analysis for the determination on nitrate in natural surface waters. 1989 , 23, 519-521	11
397	Denitrification potential and actual rates of denitrification in soils under long-term grassland and arable cropping. 1989 , 21, 897-901	34

396	Enhanced nutrient mineralization and leaching from decomposing sitka spruce litter by enchytraeid worms. 1989 , 21, 183-188	59
395	Seasonal changes in rates of potential denitrification in poorly-drained reseeded blanket peat. 1989 , 21, 355-360	24
394	Effects of eight year rotations of grain sorghum with lucerne, annual legume, wheat and long fallow on nitrogen and organic carbon in two contrasting soils. 1990 , 28, 277	20
393	Nitrate nutrition of maritime pine (<i>Pinus pinaster</i> Soland in Ait.) ectomycorrhizal with <i>Hebeloma cylindrosporum</i> Romagn. 1990 , 114, 93-98	27
392	A new ionic strength adjustor for nitrate analysis in waters, soils and plants using ion-selective electrode. 1990 , 100, 7-16	5
391	Nitrate leaching from loamy soils as affected by crop rotation and nitrogen fertilizer application. 1990 , 26, 197-207	26
390	The effect of drainage on nutrient release from fen peat and its implications for water quality â laboratory simulation. 1990 , 49, 159-173	32
389	Comparison of early season stem nitrate and leaf total nitrogen concentrations across corn hybrids. 1990 , 21, 1381-1390	2
388	Water and nutrient input:output budgets: effects of plant cover at seven sites in upland snow tussock grasslands of Eastern and Central Otago, New Zealand. 1990 , 20, 1-24	21
387	Estimates of CO ₂ production from eroding peat surfaces. 1990 , 22, 65-68	17
386	Decomposition and soil nitrogen availability in chihuahuan desert field microcosms. 1990 , 22, 241-249	13
385	Microbial immobilization of ammonium and nitrate in cultivated soils. 1990 , 22, 913-922	202
384	Dynamics of soil nitrate after forest fertilization as monitored by the plant nitrate reductase assay. 1991 , 44, 223-238	12
383	Interactions on mixing litters from beneath Sitka spruce and Scots pine and the effects on microbial activity and N-mineralization. 1991 , 23, 71-75	15
382	Farming Soils, Not Fields: A Strategy for Increasing Fertilizer Profitability. 1991 , 4, 57-61	108
381	Measurement of nitrate leaching losses from arable plots under different nitrogen input regimes. 1991 , 7, 3-13	40
380	Soil nitrate sources and nitrate leaching losses, Slapton, South Devon. 1991 , 7, 200-206	16
379	Effects of grazing and nitrogen fertiliser on the soil microbial biomass under permanent pasture. 1991 , 54, 9-21	41

378	Variation in mineral nitrogen under grazed grassland swards. 1991 , 138, 177-188	37
377	Concentrations of nitrate in soil water following herbicide treatment of tree planting positions in an upland agroforestry system. 1991 , 13, 225-234	4
376	Regulation of NO(3) Assimilation by Anion Availability in Excised Soybean Leaves. 1991 , 96, 398-405	20
375	Effects of CO2 Enrichment and Nitrogen Stress on Growth, and Partitioning of Dry Matter and Nitrogen in Wheat and Maize. 1991 , 18, 339	129
374	Carbon dioxide enrichment decreases critical nitrate and nitrogen concentrations in wheat. 1991 , 14, 571-584	70
373	Ammonia loss from soil during incubation and drying. 1991 , 22, 1325-1334	
372	A rapid colorimetric method for analysis of nitrate nitrogen by reduction to nitrite. 1991 , 22, 1295-1302	7
371	Nutrient Leaching from the Litter Layer after Clearfelling of Sitka Spruce Stands on Peaty Gley Soils. 1992 , 65, 389-416	16
370	Errors in the determination of low levels of nitrate in lake sediments. 1992 , 4, 53-58	1
369	Nitrate leaching from sheep-grazed grass/clover and fertilized grass pastures. 1992 , 119, 335-343	45
368	Preferential nitrate immobilization in alkaline soils. 1992 , 30, 737	12
367	Microbial potential of sandy aquifer material in the London basin. 1992 , 10, 1-13	14
366	Fluxes of nitric and nitrous oxides from agricultural soils in a cool temperate climate. 1992 , 26, 2477-2488	111
365	A procedure for the simultaneous determination of total nitrogen and total phosphorus in freshwater samples using persulphate microwave digestion. 1992 , 26, 1281-1287	103
364	Comparison of three methods for assessing mineral nitrogen released by soil under maize. <i>European Journal of Agronomy</i> , 1992 , 1, 221-226	5 2
363	The long term effects of rotation, tillage and stubble management on soil mineral nitrogen supply to wheat. 1992 , 30, 977	28
362	A long-term positive effect of kangaroo rats (<i>Dipodomys spectabilis</i>) on creosotebushes (<i>Larrea tridentata</i>). 1992 , 22, 375-386	47
361	Mineral nitrogen dynamics in poorly drained blanket peat. 1992 , 13, 96-101	17

360	Osmotic adjustment as a mechanism of dehydration postponement in chickpea (<i>Cicer arietinum</i> L.) leaves. 1992 , 144, 177-189	31
359	Effect of liming on mineralization of soil nitrogen as measured by plant uptake and nitrogen released during incubation. 1992 , 144, 247-253	17
358	Nitrogen dynamics in humus and soil beneath Sitka spruce (<i>Picea sitchensis</i> (Bong.) Carr.) planted in pure stands and in mixture with Scots pine (<i>Pinus sylvestris</i> L.). 1992 , 144, 77-84	22
357	The partitioning of fertilizer-N between soil and crop: Comparison of ammonium and nitrate applications. 1992 , 144, 101-111	76
356	The relation between fertilizer nitrogen applications and nitrate leaching from grazed grassland. 1992 , 8, 51-55	44
355	Cotton yield and nitrogen requirement is modified by crop rotation and tillage method. 1992 , 23, 41-59	56
354	Indirect amperometric detection of reducible analytes using a reductor column. 1992 , 4, 469-472	1
353	Effect of growing conditions on the corrosivity and ascorbic acid retention in canned tomato juice. 1992 , 59, 101-108	4
352	Chirality of the gamma-lactones formed by <i>Fusarium poae</i> INRA 45. 1993 , 5, 379-84	17
351	Ploughing and rotary cultivation for cereal production in a long-term experiment on a clay soil in southeastern Norway. 1. Soil properties. 1993 , 28, 97-108	17
350	Estimation of potentially mineralisable nitrogen in soil by KCl extraction. 1993 , 157, 167-174	35
349	Estimation of potentially mineralisable nitrogen in soil by KCl extraction. 1993 , 157, 175-184	45
348	Nitrate leaching from grazed grassland lysimeters: effects of fertilizer input, field drainage, age of sward and patterns of weather. 1993 , 44, 601-613	191
347	The quality of tomato for canning as affected by combined chloride, nitrate and osmotic potential of the nutrient solution. 1993 , 43, 201-10	3
346	Application of natural zeolites for the reduction of ammonia emissions during the composting of organic wastes in a laboratory composting simulator. 1993 , 43, 35-39	61
345	C and N cycling during decomposition of root mucilage, roots and glucose in soil. 1993 , 25, 1005-1014	130
344	Stem deformation in fast grown <i>Pinus radiata</i> : an investigation of causes. 1993 , 62, 189-209	11
343	Seasonal fluctuations in the mineral nitrogen content of an undrained wetland peat soil following differing rates of fertiliser nitrogen application. 1993 , 43, 11-29	13

342	Nitrogen in the excreta of dairy cattle: changes during short-term storage. 1993 , 121, 73-81	26
341	Cycling of fertilizer and cotton crop residue nitrogen. 1993 , 31, 597	20
340	Nitrate transport in intact wheat roots: I. Estimation of cellular fluxes and NO ₃ ⁻ distribution using compartmental analysis from data of ¹⁵ NO ₃ ⁻ flux. 1994 , 45, 667-676	34
339	Enhanced mineralization and denitrification as a result of heterogeneous distribution of clover residues in soil. 1994 , 166, 1-12	68
338	Measurement of biological dinitrogen fixation in grassland: Comparison of the enriched ¹⁵ N dilution and the natural ¹⁵ N abundance methods at different nitrogen application rates and defoliation frequencies. 1994 , 166, 153-163	98
337	Nutrient fluxes in runoff on reseeded blanket bog, limed and fertilized with urea, phosphorus and potassium. 1994 , 10, 173-180	6
336	Nitrate-nitrogen determination – critical review. 1994 , 25, 2841-2869	57
335	A tracer investigation into the importance of fissure flow in the unsaturated zone of the British Upper Chalk. 1994 , 156, 459-469	36
334	A comparative study of nitrate leaching from soils of differing textures under similar climatic and cropping conditions. 1994 , 159, 197-213	51
333	Modelling the influence of moisture and temperature on net nitrogen mineralization in a forested sandy soil. 1994 , 26, 1557-1564	111
332	Water-facilitated transport of a pimaricin-resistant strain of <i>Mucor hiemalis</i> in the rhizosphere of groundnut (<i>Arachis hypogaea</i> L.) in a Malawian ferric luvisol. 1994 , 26, 977-985	5
331	A simple statistical model for predicting N mineralization during soil incubation. <i>European Journal of Agronomy</i> , 1994 , 3, 361-365	51
330	Deep-freezing pretreatment and time of extraction of soil samples for inorganic nitrogen determination. 1994 , 25, 651-662	4
329	The effect of rate, form and timing of fertilizer N on nitrogen uptake and grain N content in spring malting barley. 1995 , 125, 341-353	14
328	Sequential injection analysis of nitrites and nitrates. 1995 , 315, 321-330	46
327	Field simulation of wet and dry years in the Chihuahuan desert: soil moisture, N mineralization and ion-exchange resin bags. 1995 , 20, 137-146	29
326	Evaluation of ceramic cup samplers to measure nitrate leaching in the field. 1995 , 46, 667-674	25
325	Denitrification Losses from Sandy and Sandy Loam Soils under Spring Barley Fertilized with Slurry and Ammonium Nitrate. 1995 , 45, 234-241	1

324	Structure and Function of Roots. 1995 ,	2
323	Changes in the extractable ammonium- and nitrate-nitrogen contents of soil samples during freezing and thawing. 1995 , 26, 61-68	11
322	Spectrophotometric Determination of Nitrogen Dioxide in Air and Nitrite in Water And Soil Samples. 1995 , 28, 535-554	
321	A procedure for the simultaneous oxidation of total soluble nitrogen and phosphorus in extracts of fresh and fumigated soils and litters. 1995 , 26, 91-106	98
320	Use of reflectometry for determination of nitrate-nitrogen in well water. 1995 , 18, 2569-2578	2
319	The Impact of Rotational Practice on Nitrate Leaching Losses in Organic Farming Systems in the United Kingdom. 1995 , 11, 123-134	10
318	Effects of broad-leaf crops and their sowing time on subsequent wheat production. 1995 , 43, 19-29	18
317	Soil microbial biomass and activity in long-term grassland: Effects of management changes. 1995 , 27, 969-975	202
316	Causes of changes in pH in acidic mineral soils. 1995 , 27, 1383-1392	44
315	Soluble nitrogen and phosphorus in the River Ythan system, U.K.: Annual and seasonal trends. 1995 , 29, 837-846	38
314	Nutrient run-off following application of livestock wastes to grassland. 1995 , 88, 51-6	15
313	Leaching of lime and fertilisers from a reseeded upland pasture on a stagnogley soil in mid-Wales. 1995 , 28, 95-112	12
312	Effect of cattle dung on soil microbial biomass C and N in a permanent pasture soil. 1996 , 28, 291-299	83
311	Nitrous oxide emissions from soils due to inputs of nitrogen from excreta return by livestock on grazed grassland in the U.K.. 1996 , 28, 597-607	115
310	Speciation of nitrogen in wastewater by flow injection. <i>Analyst, The</i> , 1996 , 121, 13-17	5 30
309	Nitrate leaching from sheep-grazed upland pastures in Wales. 1996 , 127, 365-375	6
308	Dry matter and nitrogen accumulation by three leguminous green manure species and the yield of a following wheat crop in an organic production system. 1996 , 57, 189-196	41
307	Nutrients in soil solution following selective logging of a humid tropical 'terra firme' forest north of Manaus, Brazil. 1996 , 18, 69-75	8

306	Extractive spectrophotometric determination of trace amounts of nitrogen dioxide, nitrite, and nitrate. 1996 , 124, 137-146		9
305	Effects of urine on soil microbial biomass, methanogenesis, nitrification and denitrification in grassland soils. 1996 , 186, 265-273		50
304	Relationship between the amount of reduced nitrogen accumulated in winter wheat shoots and the activity of nitrate reductase measured in situ. <i>European Journal of Agronomy</i> , 1996 , 5, 227-236	5	4
303	CONTRIBUTION OF NITROGEN SPECIES AND PHOSPHORUS FRACTIONS TO STREAM WATER QUALITY IN AGRICULTURAL CATCHMENTS. 1996 , 10, 971-983		122
302	Oxidative detection of nitrite at an electrocatalytic [Ru(bipy)2poly-(4-vinylpyridine)10Cl]Cl electrochemical sensor applied for the flow injection determination of nitrate using a Cu/Cd reductor column. 1996 , 319, 111-120		47
301	Field evaluation of models of denitrification linked to nitrate leaching for aggregated soil. 1996 , 47, 305-317		22
300	Interaction between atmospheric and pedospheric nitrogen nutrition in spruce (<i>Picea abies</i> L. Karst) seedlings. 1996 , 19, 345-355		49
299	Forest structure, floristic composition and soils of an Amazonian monodominant forest on maracá Island, Roraima, Brazil. 1997 , 54, 1-38		29
298	Nutrient and Microbial Changes in the Peat Profile Beneath <i>Sphagnum magellanicum</i> in Response to Additions of Ammonium Nitrate. 1997 , 34, 961		46
297	A comparison of animal output and nitrogen leaching losses recorded from drained fertilized grass and grass/clover pasture. 1997 , 129, 315-323		32
296	Chemistry of bulk precipitation in southwestern Viti Levu, Fiji. 1997 , 13, 427-447		11
295	In situ nitrate reductase activity in leaves of adult peach trees. 1997 , 72, 347-353		11
294	Assessment of the nitrogen status of field-grown canola (<i>Brassica napus</i>) by plant analysis. 1997 , 37, 83		20
293	Phosphate and ammonium removal by constructed wetlands with horizontal subsurface flow, using shale as a substrate. 1997 , 35, 95		39
292	Residual nitrogen effect of clover-ryegrass swards on yield and N uptake of a subsequent winter wheat crop as studied by use of 15N methodology and mathematical modelling. <i>European Journal of Agronomy</i> , 1997 , 6, 235-243	5	18
291	The effect of nitrogen deposition and seasonal variability on methane oxidation and nitrous oxide emission rates in an upland spruce plantation and moorland. 1997 , 31, 3693-3706		86
290	Decreased nitrogen rates and irrigation effect on celery yield and internal quality. 1997 , 51, 173-86		9
289	Phosphorus release in Lake Großer Mügelsee and its implications for lake restoration. 1997 , 342/343, 9-26		79

288	Interactions between white clover and ryegrass under contrasting nitrogen availability: N ₂ fixation, N fertilizer recovery, N transfer and water use efficiency. 1997 , 197, 187-199	112
287	Ecological pre-release risk assessment of two genetically engineered, bioluminescent <i>Rhizobium meliloti</i> strains in soil column model systems. 1997 , 25, 340-348	6
286	A stay-green mutation of <i>Lolium perenne</i> affects NO uptake and translocation of N during prolonged N starvation. 1997 , 135, 41-50	16
285	Sequential injection sandwich technique for the simultaneous determination of nitrate and nitrite. 1998 , 371, 63-71	53
284	Short-term immobilisation and crop uptake of fertiliser nitrogen applied to winter wheat: effect of date of application in spring. 1998 , 206, 137-149	42
283	Control of nitrate leaching from a Nitrate Vulnerable Zone using paper mill waste. 1998 , 14, 44-51	28
282	Some key environmental variables controlling nitrous oxide emissions from agricultural and semi-natural soils in Scotland. 1998 , 32, 3311-3320	89
281	Denitrification in intact subsoil cores. 1998 , 28, 12-18	16
280	FIA evaluation of nitrite and nitrate contents of liver pEs. 1998 , 62, 359-362	13
279	Rain forest on Maracá Island, Roraima, Brazil: soil and litter process response to artificial gaps. 1998 , 102, 291-303	19
278	In situ changes in gross N transformations in bare soil after addition of straw. 1998 , 31, 119-133	89
277	The use of laboratory measurements to predict nitrogen mineralization and nitrification in <i>Pinus radiata</i> plantations after harvesting. 1998 , 28, 1213-1221	14
276	Woody residue management to reduce nitrogen and phosphorus leaching from sandy soil after clear-felling <i>Pinus radiata</i> plantations. 1998 , 28, 1222-1232	32
275	Leaching of ¹⁵ N-labeled fertilizer nitrate in undisturbed soil columns after simulated heavy rainfall. 1998 , 29, 1221-1238	9
274	Spatial heterogeneity of element and litter turnover in a Bornean rain forest. 1998 , 14, 477-506	80
273	Nitrate Uptake Rate by Soybean and Wheat Plants Determined by External Nitrate Concentration and Shoot-Mediated Demand. 1998 , 159, 305-312	10
272	A 6-year comparison of nitrate leaching from grass/clover and N-fertilized grass pastures grazed by sheep. 1998 , 131, 39-50	25
271	Simplified procedure for rapid, manual analysis of nitrate in soil extracts by copper-cadmium reduction. 1999 , 30, 1633-1640	

270	The fate of NH ₄ NO ₃ added to Sphagnum magettanicum carpets at five European mire sites. 1999 , 45, 73-93		32
269	Seasonal dynamics of N in two Sphagnum moss species and the underlying peat treated with 15NH ₄ 15NO ₃ . 1999 , 45, 285-302		36
268	Relationships between photosynthesis, nitrogen and leaf structure in 14 grass species and their dependence on the basis of expression. 1999 , 143, 119-129		80
267	Interactions between N supply and N uptake by perennial ryegrass, 15N recovery and soil pH for four acid Scottish soils. 1999 , 54, 42-51		4
266	Relationship between rate of crop growth at date of fertiliser N application and fate of fertiliser N applied to winter wheat. 1999 , 214, 49-59		56
265	Impact of synthetic sheep urine on N and P in two pastures in the Scottish uplands. 1999 , 214, 93-103		30
264	Azodyn: a simple model simulating the date of nitrogen deficiency for decision support in wheat fertilization. <i>European Journal of Agronomy</i> , 1999 , 10, 129-144	5	78
263	Denitrification in the subsoil of the Broadbalk Continuous Wheat Experiment. 1999 , 31, 747-755		32
262	Seasonal changes in soil microbial communities along a fertility gradient of temperate grasslands. 1999 , 31, 1021-1030		268
261	The fate of NH ₄ NO ₃ added to Sphagnum magellanicum carpets at five European mire sites. 1999 , 45, 73-93		11
260	Seasonal dynamics of N in two Sphagnum moss species and the underlying peat treated with 15NH ₄ 15NO ₃ . 1999 , 45, 285-302		18
259	Accumulation and Remobilization of Nitrogen in a Vegetative Winter Wheat Crop During or Following Nitrogen Deficiency. 1999 , 83, 569-575		22
258	Influence of moist - dry cycles on pH changes in surface soils. 1999 , 37, 1057		13
257	Nitrogen. 2000 , 304-314		
256	A flow system exploiting multicommutation for speciation of inorganic nitrogen in waters. 2000 , 409, 227-235		36
255	Differential effects of mineral and organic N sources, and of ectomycorrhizal infection by Hebeloma cylindrosporum, on growth and N utilization in Pinus pinaster. 2000 , 23, 1195-1205		77
254	Short and long-term responses of whole-plant gas exchange to elevated CO ₂ in four herbaceous species. 2000 , 43, 155-169		21
253	The role of N-remobilisation and the uptake of NH ₄ ⁺ and NO ₃ ⁻ by Lolium perenne L. in laminae growth following defoliation under field conditions. 2000 , 220, 175-187		24

252	Temporal changes in C, P and N concentrations in soil solution following application of synthetic sheep urine to a soil under grass. 2000 , 222, 1-13	35
251	Impact of NH ₄ NO ₃ on microbial biomass C and N and extractable DOM in raised bog peat beneath <i>Sphagnum capillifolium</i> and <i>S. recurvum</i> . 2000 , 49, 259-276	9
250	Comparative study of various methods of the heterogeneous reduction of nitrate ions. 2000 , 55, 116-120	3
249	The distribution of net nitrogen mineralisation within surface soil. 2. Factors influencing the distribution of net N mineralisation. 2000 , 38, 643	22
248	Regulation of high-affinity nitrate transporter genes and high-affinity nitrate influx by nitrogen pools in roots of barley. 2000 , 123, 307-18	194
247	Integrated Control of Nitrate Uptake by Crop Growth Rate and Soil Nitrate Availability under Field Conditions. 2000 , 86, 995-1005	76
246	Distribution of potential CO ₂ and CH ₄ productions, denitrification and microbial biomass C and N in the profile of a restored peatland in Brittany (France). 2000 , 36, 161-168	38
245	Failure to simulate C and N mineralization in soil using biomass C-to-N ratios as measured by the fumigation extraction method?. 2000 , 32, 659-668	8
244	Stimulation of the ionic transport system in <i>Brassica napus</i> by a plant growth-promoting rhizobacterium (<i>Achromobacter</i> sp.). 2000 , 46, 229-36	103
243	An Extractive Spectrophotometric Method for the Determination of Nitrite Using Fluorescein Amine Isomer I. 2000 , 33, 1869-1883	5
242	Responses to Artificial Fertilization at Grayson Lake, Kentucky. 2001 , 21, 393-403	5
241	Determination of Nitrate in Water Containing Dissolved Organic Carbon by Ultraviolet Spectroscopy. 2001 , 80, 49-59	45
240	Influence of temperature and vegetation cover on soluble inorganic and organic nitrogen in a spodosol. 2001 , 33, 1113-1121	35
239	Relationships between net nitrogen mineralization, properties of the forest floor and mineral soil, and wood production in <i>Pinus radiata</i> plantations. 2001 , 31, 889-898	19
238	Ability of the SUNDIAL model to simulate the short-term dynamics of ¹⁵ N applied to winter wheat and oilseed rape. 2001 , 137, 157-168	5
237	Comparison of fertilizer strategies for reducing nitrate leaching from grazed grassland, with particular reference to the contribution from urine patches. 2001 , 136, 221-230	17
236	Influence of fallow, wheat and subterranean clover on pH within an initially mixed surface soil in the field. 2001 , 33, 41-52	14
235	Development of nitrogen mineralisation gradients through surface soil depth and their influence on surface soil pH. 2001 , 234, 239-246	11

234	EFFECTS OF SOWING TIME ON NITRATE AND TOTAL NITROGEN CONCENTRATIONS IN FIELD-GROWN CANOLA (BRASSICA NAPUS L.) AND IMPLICATIONS FOR PLANT ANALYSIS. 2001 , 24, 43-59	9
233	Spatial Characterization of Water Quality in Seven Eastern Kentucky Reservoirs Using Multivariate Analyses. 2001 , 4, 463-477	9
232	Sheep urine affects soil solution nutrient composition and roots: differences between field and sward box soils and the effects of synthetic and natural sheep urine. 2002 , 34, 163-171	56
231	Management planning for winter wheat with multiple objectives (2): ethanol-wheat production. 2002 , 72, 33-57	30
230	Influence of organic leyârable management and afforestation in sandy loam to clay loam soils on fluxes of N ₂ O and CH ₄ in Scotland. 2002 , 90, 305-317	33
229	Seasonal variability of apoplastic NH ₄ ⁺ and pH in an intensively managed grassland. 2002 , 238, 97-110	57
228	Effects of lanthanum on nitrification and ammonification in three Chinese soils. 2002 , 63, 309-314	15
227	Impact of defoliation on the distribution of ¹⁵ N-labelled synthetic sheep urine between shoots and roots of <i>Agrostis capillaris</i> and soil N pools. 2003 , 251, 269-278	10
226	Regulation of the nitrate transporter gene AtNRT2.1 in <i>Arabidopsis thaliana</i> : responses to nitrate, amino acids and developmental stage. 2003 , 52, 689-703	151
225	Nitrogen release from eucalypt leaves and legume residues as influenced by their biochemical quality and degree of contact with soil. 2003 , 250, 15-28	58
224	Nitrogen leaching losses under a less intensive farming and environment (LIFE) integrated system. 2003 , 19, 36-44	11
223	Potential nitrification in the profile of a peaty gley soil beneath <i>Molinia</i> planted with pine, spruce and birch. 2003 , 176, 473-484	5
222	[Reversibility of the effects of cadmium on the growth and nitrogen metabolism in the tomato (<i>Lycopersicon esculentum</i>)]. 2003 , 326, 401-12	6
221	Effects of Composted Pulp and Paper Industry Wastewater Treatment Residuals on Soil Properties And Cereal Yield. 2003 , 11, 228-237	6
220	Diurnal variation in uptake and xylem contents of inorganic and assimilated N under continuous and interrupted N supply to <i>Phleum pratense</i> and <i>Festuca pratensis</i> . 2003 , 54, 431-44	35
219	Release of oxalate and protons by ectomycorrhizal fungi in response to P-deficiency and calcium carbonate in nutrient solution. 2003 , 60, 815-821	63
218	Reduction of nitrate to nitrite with cadmium metal. 2003 , 52, 319-323	3
217	Cadmium toxicity induced changes in nitrogen management in <i>Lycopersicon esculentum</i> leading to a metabolic safeguard through an amino acid storage strategy. 2004 , 45, 1681-93	189

216	Enhanced dissipation of chrysene in planted soil: the impact of a rhizobial inoculum. 2004 , 36, 33-38	94
215	The effects of sowing date and nitrogen availability during vegetative stages on <i>Leptosphaeria maculans</i> development on winter oilseed rape. 2004 , 23, 635-645	30
214	Impact of Land Use on Soluble Organic Nitrogen in Soil. 2004 , 4, 53-60	9
213	The fate of ¹⁵ N added to high Arctic tundra to mimic increased inputs of atmospheric nitrogen released from a melting snowpack. 2005 , 11, 1640-1654	42
212	Soil microbial response during the phytoremediation of a PAH contaminated soil. 2005 , 37, 2334-2336	88
211	Impact of land use on soluble organic nitrogen in soil. 2005 , 4, 53-60	1
210	The use of cover crops in cereal-based cropping systems to control nitrate leaching in SE England. 2005 , 273, 355-373	61
209	A laboratory system to estimate ammonia volatilization. 2005 , 25, 101-107	3
208	[Implication of glutamate, isocitrate and malate deshydrogenases in nitrogen assimilation in the cadmium-stressed tomato]. 2006 , 329, 790-803	4
207	Physiological and biochemical responses resulting from nitrite accumulation in tomato (<i>Lycopersicon esculentum</i> Mill. cv. Ibiza F1). 2006 , 163, 1032-9	14
206	The relationship between NH ₃ emissions from a poultry farm and soil NO and N ₂ O fluxes from a downwind forest. 2006 , 3, 375-382	12
205	Nitrogen and phosphorus in runoff from grassland with buffer strips following application of fertilizers and manures. 2006 , 14, 142-148	58
204	The influence of tillage on NO and N ₂ O fluxes under spring and winter barley. 2006 , 18, 340-345	34
203	Mitigation of greenhouse gas emissions from soil under silage production by use of organic manures or slow-release fertilizer. 2006 , 20, 287-295	10
202	Influence of Aboveground Biomass Removal on Nitrogen Mineralization in a Restored Tallgrass Prairie. 2006 , 14, 561-568	9
201	Effect of N-fixing and non N-fixing trees and crops on NO and N ₂ O emissions from Senegalese soils. 2006 , 33, 416-423	48
200	Ara-Rhizotron: An Effective Culture System to Study Simultaneously Root and Shoot Development of <i>Arabidopsis</i> . 2006 , 280, 253-266	25
199	Yields and accumulations of N and P in farmer-managed intercrops of maizeàpigeonpea in semi-arid Africa. 2006 , 285, 207-220	56

198	Nitrate-dependent control of root architecture and N nutrition are altered by a plant growth-promoting <i>Phyllobacterium</i> sp. 2006 , 223, 591-603	85
197	The impact of land degradation on landscape in Northern Greece. 2006 , 3, 289-294	6
196	Biochemical composition and kinetics of C and N mineralization of animal wastes: a typological approach. 2006 , 42, 513-522	57
195	The role of plant residues in pH change of acid soils differing in initial pH. 2006 , 38, 709-719	225
194	Determination of Anions. 2006 , 39-97	1
193	Simulating soil freeze/thaw cycles typical of winter alpine conditions: Implications for N and P availability. 2007 , 35, 247-255	99
192	Nitrous oxide emissions, cereal growth, N recovery and soil nitrogen status after ploughing organically managed grass/clover swards. 2007 , 23, 145-155	31
191	Influence of organic and mineral N fertiliser on N ₂ O fluxes from a temperate grassland. 2007 , 121, 74-83	129
190	Labile nitrogen, carbon, and phosphorus pools and nitrogen mineralization and immobilization rates at low temperatures in seasonally snow-covered soils. 2007 , 43, 519-529	26
189	Long-term effects of continuous direct seeding mulch-based cropping systems on soil nitrogen supply in the Cerrado region of Brazil. 2007 , 298, 161-173	12
188	Growth on nitrate and occurrence of nitrate reductase-encoding genes in a phylogenetically diverse range of ectomycorrhizal fungi. 2008 , 180, 875-89	83
187	The contribution of agricultural practices to nitrous oxide emissions in semi-arid Mali. 2008 , 24, 292-301	53
186	INHIBITORY CAPACITY OF SODIUM BENZOATE FOR NITRATE-INDUCED CORROSION OF TIN PLATE. 2008 , 41, 703-705	3
185	The influence of soluble carbon and fertilizer nitrogen on nitric oxide and nitrous oxide emissions from two contrasting agricultural soils. 2008 , 40, 142-151	107
184	Nitrogen mineralisation along a pH gradient of a silty loam UK soil. 2008 , 40, 797-802	74
183	The lower and upper threshold values, biological optimum and mineralization of nitrogen in the main maize producing soils of South Africa. 2008 , 25, 8-13	3
182	Cover Crop and Nitrogen Effects on Maize Productivity in No-Tillage Systems of the Brazilian Cerrados. 2009 , 101, 1036-1046	25
181	The Relationship between Grapevine Vigour and N-Mineralization of Soil from Selected Cool Climate Vineyards in Victoria, Australia. 2009 , 20, 183-198	2

180	Frequent addition of wheat straw residues to soil enhances carbon mineralization rate. 2009 , 41, 1475-1482	56
179	Role of organic fractions on C decomposition and N mineralization of animal wastes in soil. 2009 , 45, 477-486	42
178	Bryozoan populations reflect nutrient enrichment and productivity gradients in rivers. 2009 , 54, 2320-2334	40
177	Total nitrogen in wastewater analysis: Comparison of Devarda's alloy method and high temperature oxidation followed by chemiluminescence detection. 2009 , 64, 1047-1053	6
176	Soil sampling based on field spatial variability of soil microbial indicators. 2009 , 45, 488-495	28
175	Soil macronutrient sensing for precision agriculture. 2009 , 11, 1810-24	88
174	Advantage of Organic Supplementation of Inorganic Fertilizer in Walleye (<i>Sander vitreus</i>) Hatchery Ponds at Minor Clark Fish Hatchery, KY. 2009 , 70, 152-161	3
173	Is CO ₂ evolution in saline soils affected by an osmotic effect and calcium carbonate?. 2010 , 46, 781-792	79
172	High Temporal Resolution Monitoring of Multiple Pollutant Responses in Drainage from an Intensively Managed Grassland Catchment Caused by a Summer Storm. 2010 , 205, 377-393	20
171	Dissolved Organic Nitrogen Concentrations and Ratios of Dissolved Organic Carbon to Dissolved Organic Nitrogen in Throughfall and Soil Waters in Norway Spruce and Scots Pine Forest Stands Throughout Norway. 2010 , 210, 171-186	15
170	Residual effect of organic carbon as a tool for mitigating nitrogen oxides emissions in semi-arid climate. 2010 , 326, 137-145	19
169	Understanding and eliminating iron interference in colorimetric nitrate and nitrite analysis. 2010 , 165, 633-41	16
168	Influence of agronomic management of legume crops on soil accumulation with nitrate. 2010 , 86, 269-286	5
167	Evaluation of sensing technologies for on-the-go detection of macro-nutrients in cultivated soils. 2010 , 70, 1-18	90
166	Pack rats (<i>Neotoma</i> spp.): Keystone ecological engineers?. 2010 , 74, 1450-1455	21
165	A simple miniaturised photometrical method for rapid determination of nitrate and nitrite in freshwater. 2010 , 82, 976-83	30
164	Ion uptake and structural modifications induced by nitrogen source in tomato (<i>Solanum lycopersicum</i> Mill. Cv. Ibiza F1). 2011 , 334, 526-34	1
163	Fertilizer effects of increasing loads of composts and biosolids in urban greening. 2011 , 10, 231-238	11

162	Field evaluation of a multicomponent solute transport model in soils irrigated with saline waters. 2011 , 407, 129-144	118
161	Short term soil priming effects and the mineralisation of biochar following its incorporation to soils of different pH. 2011 , 43, 2304-2314	428
160	Denitrification triggered by nitrogen addition in <i>Sphagnum magellanicum</i> peat. 2011 , 106, 435-441	17
159	Liquid digestate from anaerobic treatment of source-separated household waste as fertilizer to barley. 2011 , 29, 1271-6	70
158	Nitrous oxide emissions from managed grassland: a comparison of eddy covariance and static chamber measurements. 2011 , 4, 2179-2194	63
157	Soil Nitrate is a Causative Factor in Iron Deficiency Chlorosis in Soybeans. 2011 , 75, 2233-2241	12
156	Nitrous oxide emissions from managed grassland: a comparison of eddy covariance and static chamber measurements. 2011 ,	11
155	Sustainable Potato Production: Global Case Studies. 2012 ,	13
154	Crop Production and Environmental Effects in Conventional and Organic Vegetable Farming Systems: The Case of a Long-Term Experiment in Mediterranean Conditions (Central Italy). 2012 , 36, 599-619	36
153	Comparison of Factors Affecting Soil Nitrate Nitrogen and Ammonium Nitrogen Extraction. 2012 , 43, 571-588	37
152	Field and Laboratory Evaluation of the Cardy Nitrate-Nitrogen Meter for Measuring Soil Solution Nitrate Nitrogen in Hawaiian Soils. 2012 , 43, 1237-1246	3
151	Grain legume pre-crops and their residues affect the growth, P uptake and size of P pools in the rhizosphere of the following wheat. 2012 , 48, 775-785	16
150	Differential effects of composts on properties of soils with different textures. 2012 , 48, 699-707	25
149	Soil pH is the main factor influencing growth and rhizosphere properties of wheat following different pre-crops. 2012 , 360, 271-286	35
148	Amending soils of different texture with six compost types: impact on soil nutrient availability, plant growth and nutrient uptake. 2012 , 354, 197-209	47
147	Phosphorus pools and other soil properties in the rhizosphere of wheat and legumes growing in three soils in monoculture or as a mixture of wheat and legume. 2012 , 354, 283-298	60
146	Short-term carbon mineralization in saline-alkaline soils. 2012 , 48, 475-479	11
145	Nitrate leaching under maize cropping systems in Po Valley (Italy). 2012 , 147, 57-65	114

144	Standardisation of methods in soil microbiology: progress and challenges. 2012 , 82, 1-10		51
143	Growth, P uptake in grain legumes and changes in rhizosphere soil P pools. 2012 , 48, 151-159		43
142	Effects of take-all (<i>Gaeumannomyces graminis</i> var. <i>tritici</i>) on crop N uptake and residual mineral N in soil at harvest of winter wheat. 2012 , 350, 253-260		7
141	Effects of a winter or spring sowing date on soil nitrogen utilisation and yield of barley following a forage crop of red clover, lucerne or hybrid ryegrass. 2013 , 181, 213-222		7
140	The NRT2.5 and NRT2.6 genes are involved in growth promotion of <i>Arabidopsis</i> by the plant growth-promoting rhizobacterium (PGPR) strain <i>Phyllobacterium brassicacearum</i> STM196. 2013 , 198, 514-524		50
139	Effect of poly(γ -glutamic acid) on microbial community and nitrogen pools of soil. 2013 , 63, 657-668		7
138	Evaluation of historical nitrate sources in groundwater and impact of current irrigation practices on groundwater quality. 2013 , 58, 198-212		6
137	Nitrogen speciation and phosphorus fractionation dynamics in a lowland Chalk catchment. <i>Science of the Total Environment</i> , 2013 , 444, 466-79	10.2	25
136	Conservation tillage strategy based on the roller crimper technology for weed control in Mediterranean vegetable organic cropping systems. <i>European Journal of Agronomy</i> , 2013 , 50, 11-18	5	54
135	Residual Effects of Fertilization with Pig Slurry: Double Cropping and Soil. 2013 , 105, 70-78		19
134	Effect of poly (γ -glutamic acid) on wheat productivity, nitrogen use efficiency and soil microbes. 2013 , 0-0		6
133	Combined waste resources as compound fertiliser to spring cereals. 2014 , 64, 329-340		2
132	Summer fallow soil management – impact on rainfed winter wheat. 2014 , 64, 398-407		1
131	Alternative strategies for nitrogen fertilization of overwinter processing spinach (<i>Spinacia oleracea</i> L.) in Southern Italy. <i>European Journal of Agronomy</i> , 2014 , 54, 47-53	5	15
130	Optimising the organic components of topsoil mixtures for urban grassland. 2014 , 13, 821-830		5
129	Nitrogen – Inorganic Forms. 2015 , 643-698		299
128	Advances in Methodology for Research on Nitrogen Transformations in Soils. 2015 , 467-502		4
127	Subsurface Drainage Nitrate and Total Reactive Phosphorus Losses in Bioenergy-Based Prairies and Corn Systems. 2015 , 44, 1638-46		29

126	Fate of nitrogen from green manure, straw, and fertilizer applied to wheat under different summer fallow management strategies in dryland. 2015 , 51, 769-780	39
125	Suitability of different organic amendments from agro-industrial wastes in organic lettuce crops. 2015 , 102, 243-252	26
124	Legume cover crop management and organic amendments application: Effects on organic zucchini performance and weed competition. 2015 , 185, 48-58	26
123	Sediment and nutrient dynamics during storm events in the Enxotemporary river, southern Portugal. 2015 , 127, 177-190	43
122	Agronomic performance of experimental fertilizers on spinach (<i>Spinacia oleracea</i> L.) in organic farming. 2015 , 102, 227-241	8
121	Soil conditioning effects of native and exotic grassland perennials on the establishment of native and exotic plants. 2015 , 393, 335-349	5
120	Waste products as alternative phosphorus fertilisers part I: inorganic P species affect fertilisation effects depending on soil pH. 2015 , 103, 167-185	39
119	Assessing the Success of Regional Measures for Lowering Agricultural Nutrient Pollution in Headwater Streams. 2016 , 45, 1329-43	10
118	Temporally Variable Geographical Distance Effects Contribute to the Assembly of Root-Associated Fungal Communities. 2016 , 7, 195	25
117	Drivers of Phosphorus Uptake by Barley Following Secondary Resource Application. 2016 , 3, 12	15
116	Dual detection of nitrate and mercury in water using disposable electrochemical sensors. 2016 , 85, 280-286	69
115	Long-term measurements of NO _x and O ₃ soil fluxes in a temperate deciduous forest. 2016 , 228-229, 205-216	11
114	The legacy effect of cover crops on soil fungal populations in a cereal rotation. 2016 , 228, 49-61	87
113	Low-input cropping systems to reduce input dependency and environmental impacts in maize production: A multi-criteria assessment. <i>European Journal of Agronomy</i> , 2016 , 76, 160-175	5 23
112	Catchment agriculture and local environment affecting the soil denitrification potential and nitrous oxide production of riparian zones in the Han River Basin, China. 2016 , 216, 147-154	30
111	Effectiveness of living mulch strategies for winter organic cauliflower (<i>Brassica oleracea</i> L. var. botrytis) production in Central and Southern Italy. 2017 , 32, 263-272	8
110	Using soil microbial inoculations to enhance substrate performance on extensive green roofs. <i>Science of the Total Environment</i> , 2017 , 580, 846-856	10.2 13
109	Organic strawberry in Mediterranean greenhouse: Effect of different production systems on soil fertility and fruit quality. 2017 , 32, 485-497	8

108	The effect of time of winter urine deposition on mineral nitrogen leaching and implications for grazed forage crops. 2017 , 60, 376-385		
107	Grain sorghum nitrogen use as affected by planting practice and nitrogen rate. 2017 , 0-0		0
106	Green manure and compost effects on N-P dynamics in Mediterranean organic stockless systems. 2017 , 17, 751-769		12
105	Effect of organic agronomic techniques and packaging on the quality of lamb's lettuce. 2018 , 98, 4606-4615		2
104	Phosphorus more than temperature controls the phytoplankton community in a deep quarry lake: a combined field and laboratory approach. 2018 , 8, 22-35		2
103	Optimizing the synthetic nitrogen rate to balance residual nitrate and crop yield in a leguminous green-manured wheat cropping system. <i>Science of the Total Environment</i> , 2018 , 631-632, 1234-1242	10.2	14
102	Nitrogen Availability Indices. 2018 , 951-984		56
101	Nitrogen Inorganic Forms. 2018 , 1123-1184		231
100	Screen for sustainable cropping systems in the rain-fed area on the Loess Plateau of China. 2018 , 176, 26-35		8
99	Assessment of agro-ecological service crop managements combined with organic fertilisation strategies in organic melon crop. 2018 , 172-182		9
98	Mulch Based No-Tillage and Compost Effects on Nitrogen Fertility in Organic Melon. 2018 , 110, 1482-1491		3
97	Agronomic performance and sustainability indicators in organic tomato combining different agro-ecological practices. 2018 , 112, 101-117		16
96	Impact of Agroecological Practices on Greenhouse Vegetable Production: Comparison among Organic Production Systems. <i>Agronomy</i> , 2019 , 9, 372	3.6	5
95	Demonstrated transfer of cyanobacteria and cyanotoxins along a freshwater-marine continuum in France. 2019 , 87, 101639		24
94	Impact of alternative wetting and soil drying and soil clay content on the morphological and physiological traits of rice roots and their relationships to yield and nutrient use-efficiency. 2019 , 223, 105706		19
93	Effects of cereals as agro-ecological service crops and no-till on organic melon, weeds and N dynamics.. 2019 , 35, 275-287		5
92	Improved Accumulation Capabilities of Phosphorus and Potassium in Green Manures and Its Relationship with Soil Properties and Enzymatic Activities. <i>Agronomy</i> , 2019 , 9, 708	3.6	2
91	15N Tracing of Microbial Assimilation, Partitioning and Transport of Fertilisers in Grassland Soils. 2019 ,		0

90	Effects of agricultural landscapes and land uses in highly biodiverse tropical streams of the Ecuadorian Choco. 2019 , 9, 289-300		7
89	Effectiveness of conservation agriculture in increasing crop productivity in low-input rainfed rice cropping systems under humid subtropical climate. 2019 , 239, 104-113		10
88	The effects of irrigation and fertilization on the migration and transformation processes of main chemical components in the soil profile. 2019 , 41, 2631-2648		4
87	Straw mulch as an alternative to plastic film mulch: Positive evidence from dryland wheat production on the Loess Plateau. <i>Science of the Total Environment</i> , 2019 , 676, 782-791	10.2	25
86	Impacts of Sampling Design on Estimates of Microbial Community Diversity and Composition in Agricultural Soils. 2019 , 78, 753-763		8
85	Agroecological Practices and Agrobiodiversity: A Case Study on Organic Orange in Southern Italy. <i>Agronomy</i> , 2019 , 9, 85	3.6	5
84	Effect of Irrigation Regimes and Soil Texture on the Potassium Utilization Efficiency of Rice. <i>Agronomy</i> , 2019 , 9, 100	3.6	19
83	Grain zinc concentration and its relation to soil nutrient availability in different wheat cropping regions of China. 2019 , 191, 57-65		14
82	Olive Pomace Compost in Organic Emmer Crop: Yield, Soil Properties, and Heavy Metalsâ€ˆFate in Plant and Soil. 2019 , 19, 63-70		6
81	A three-dimensional printed electromembrane extraction device for capillary electrophoresis. 2019 , 1595, 215-220		18
80	Mulch-Based No-Tillage Effects on Weed Community and Management in an Organic Vegetable System. <i>Agronomy</i> , 2019 , 9, 594	3.6	8
79	Effects of irrigation regime and soil clay content and their interaction on the biological yield, nitrogen uptake and nitrogen-use efficiency of rice grown in southern China. 2019 , 213, 934-946		28
78	Determining the sources of nutrient flux to water in headwater catchments: Examining the speciation balance to inform the targeting of mitigation measures. <i>Science of the Total Environment</i> , 2019 , 648, 1179-1200	10.2	24
77	Cultivar and phosphorus effects on switchgrass yield and rhizosphere microbial diversity. 2019 , 103, 1973-1987		9
76	An automated low cost IoT based Fertilizer Intimation System for smart agriculture. 2020 , 28, 100300		13
75	Agroecological practices for organic lettuce: effects on yield, nitrogen status and nitrogen utilisation efficiency. 2020 , 36, 84-95		6
74	Winter wheat nitrogen utilization under different mulching practices on the Loess Plateau. 2020 , 112, 1391-1405		4
73	The impact of atmospheric N deposition and N fertilizer type on soil nitric oxide and nitrous oxide fluxes from agricultural and forest Eutric Regosols. 2020 , 56, 1077-1090		4

72	Management of remnant tallgrass prairie by grazing or fire: effects on plant communities and soil properties. 2020 , 11, e03213		6
71	Oxytetracycline, copper, and zinc effects on nitrification processes and microbial activity in two soil types. 2020 , 9, e248		2
70	Linking Nitrous Oxide and Nitric Oxide Fluxes to Microbial Communities in Tropical Forest Soils and Oil Palm Plantations in Malaysia in Laboratory Incubations. 2020 , 3,		5
69	Cyanobacteria and cyanotoxins in estuarine water and sediment. 2020 , 54, 625-640		5
68	Estimation of nitrogen supply for winter wheat production through a long-term field trial in China. 2020 , 270, 110929		2
67	Evaluating the effects of plastic film mulching patterns on cultivation of winter wheat in a dryland cropping system on the Loess Plateau, China. 2021 , 244, 106550		12
66	Nitrogen uptake and utilization in advanced fresh-market red potato breeding lines. 2021 , 61, 878-895		3
65	Identification of microbial signatures linked to oilseed rape yield decline at the landscape scale. 2021 , 9, 19		6
64	Higher Biochar Rate Can Be Efficient in Reducing Nitrogen Mineralization and Nitrification in the Excessive Compost-Fertilized Soils. <i>Agronomy</i> , 2021 , 11, 617	3.6	3
63	Straw Biochar-induced Modification of the Soil Physical Properties Enhances Growth, Yield and Water Productivity of Maize under Deficit Irrigation. 2021 , 52, 1954-1970		1
62	A dataset from a 3-year network of field measurements of soil organic nitrogen mineralization under a mild oceanic temperate climate. 2021 , 35, 106795		1
61	Wheat straw biochar application improves the morphological, physiological, and yield attributes of maize and the physicochemical properties of soil under deficit irrigation and salinity stress. 2021 , 44, 2399-2420		2
60	Impacts of cover crops and nitrogen fertilization on agricultural soil fungal and bacterial communities. 2021 , 466, 139-150		3
59	Estimation of Nitrogen Supply for Summer Maize Production through a Long-Term Field Trial in China. <i>Agronomy</i> , 2021 , 11, 1358	3.6	0
58	Improving nitrogen use efficiency and reducing environmental cost with long-term nutrient expert management in a summer maize-winter wheat rotation system. 2021 , 213, 105117		1
57	Increasing plant diversity promotes ecosystem functions in rainfed rice based short rotations in Malagasy highlands. 2021 , 320, 107576		5
56	Bulk Deposition Chemistry in Finland. 1990 , 151-165		30
55	Soil Fertility Management in Organic Potato: The Role of Green Manure and Amendment Applications. 2012 , 453-469		4

54	The course of nitrogen uptake by spring barley from soil and fertilizer nitrogen. 1986 , 389-393	3
53	Relationships between soil mineral nitrogen content and denitrification, following application of slurry and calcium nitrate to grassland. 1986 , 75-83	1
52	N mineralization in undisturbed soil. 1996 , 37-40	1
51	Phosphorus release in Lake Großer Müggelsee and its implications for lake restoration. 1997 , 9-26	5
50	Denitrification Losses from Soil Receiving Pig Slurry or Fertilizer. 1989 , 235-246	2
49	Inhibition of Nitrification by Dicyandiamide In Cool Temperate Conditions. 1989 , 289-303	2
48	Labile soil organic matter pools under a mixed grass/lucerne pasture and adjacent native bush in Western Australia. 2007 , 45, 333	11
47	Basic fibroblast growth factor reduces the gut and liver morphologic and functional injuries after ischemia and reperfusion. 1997 , 42, 1080-5	15
46	Use of molecular and isotopic techniques to monitor the response of autotrophic ammonia-oxidizing populations of the beta subdivision of the class proteobacteria in arable soils to nitrogen fertilizer. 1999 , 65, 4155-62	137
45	Nitrogen limitation of pond ecosystems on the plains of Eastern Colorado. 2014 , 9, e95757	23
44	Transdisciplinary Bioblitz: Rapid biotic and abiotic inventory allows studying environmental changes over 60 years at the Biological Field Station of Paimpont (Brittany, France) and opens new interdisciplinary research opportunities. 2020 , 8, e50451	2
43	Improving Maize Yield in the Guinea Savannah Zone of Ghana with Leguminous Cover Crops and PK Fertilization. 2004 , 3, 115-121	13
42	Mineralization and Microbial Biomass Dynamics During Decomposition of Four Leguminous Residues. 2007 , 7, 632-637	12
41	SULPHATES AND SULPHURIC ACID IN THE ATMOSPHERE IN THE YEARS 1971â1976 IN THE NETHERLANDS. 1978 , 785-790	
40	Extractable N and P in relation to microbial biomass in UK acid organic soils. 1984 , 139-148	
39	The uptake of soil and fertilizer-nitrogen by barley growing under Scottish climatic conditions. 1984 , 49-57	
38	Fate of sheep urine-N applied to an upland grass sward. 1986 , 451-453	
37	The effect of fertilization on litter decomposition in clearfelled spruce stands. 1987 , 297-322	

- 36 Measurement of Nitrogen Mineralization in Soil Incubations. **1989**, 11-24
- 35 Influence of constant nitrate concentration on N uptake and growth of wheat. **1995**, 141-147 1
- 34 Phosphorus Containing Anions. **1996**, 342-380
- 33 Measurement and modelling of the effects of crop residues on nitrate loss from clay loam and sandy loam soils. **1996**, 401-405
- 32 The fate of inorganic N additions to an ombrotrophic bog. **1996**, 293-297
- 31 Nitrogen-Containing Anions. **1996**, 140-277
- 30 Effects of urine on soil microbial biomass, methanogenesis, nitrification and denitrification in grassland soils. **1996**, 186, 265-273
- 29 The Identification of Limiting Nutrients Using Algal Bioassay Experiments (ABEs) in Boryeong Reservoir after the Construction of Water Tunnel. **2018**, 36, 558-566
- 28 ¹⁵N Tracing of the Partitioning and Transport of Nitrate Under Field Conditions. **2019**, 189-235
- 27 Simulated sheep urine causes the formation of acidic subsurface layers in soil under field conditions. **2020**, 58, 662 0
- 26 Methods to Assess Biological Transformation of Biomass. **2020**, 641-730
- 25 Determination of Anions in Soil. **2006**, 153-173
- 24 Polluted waters of the reclaimed islands of Indian Sundarban promote more greenhouse gas emissions from mangrove ecosystem. 1 3
- 23 Arabidopsis Growth-Promotion and Root Architecture Responses to the Beneficial Rhizobacterium Strain STM196 Are Independent of the Nitrate Assimilatory Pathway.. **2022**, 11,
- 22 The sensitivity of C and N mineralization to soil water potential varies with soil characteristics: Experimental evidences to fine-tune models. **2022**, 409, 115644
- 21 Impacts of Slow-Release Nitrogen Fertilizer Rates on the Morpho-Physiological Traits, Yield, and Nitrogen Use Efficiency of Rice under Different Water Regimes. *Agriculture (Switzerland)*, **2022**, 12, 86 3 0
- 20 Wheat grain zinc concentration as affected by soil nitrogen and phosphorus availability and root mycorrhizal colonization. *European Journal of Agronomy*, **2022**, 134, 126469 5 1
- 19 Impact of microplastics from polyethylene and biodegradable mulch films on rice (*Oryza sativa* L.).. *Science of the Total Environment*, **2022**, 154579 10.2 4

18 Data_Sheet_1.PDF. **2020**,

17 Data_Sheet_2.PDF. **2020**,

16 Data_Sheet_3.PDF. **2020**,

15 Partial Organic Fertilizer Substitution Promotes Soil Multifunctionality by Increasing Microbial Community Diversity and Complexity. *Pedosphere*, **2022**, 5 ○

14 Effects of Faba Bean Strip Cropping in an Outdoor Organic Tomato System on Soil Nutrient Availability, Production, and N Budget under Different Fertilizations. *Agronomy*, **2022**, 12, 1372 3.6 1

13 Mineral fertiliser equivalent value of dairy processing sludge and derived biochar using ryegrass (*Lolium perenne* L.) and spring wheat (*Triticum aestivum*). **2022**, 321, 116012 ○

12 Assessment of Cadmium and Copper Adsorption by Two Agricultural Soils from Romania and Tunisia: Risk of Water Resource Pollution. **2022**, 10, 1802 ○

11 Modification of Soil Physical Properties by Maize Straw Biochar and Earthworm Manure to Enhance Hydraulic Characteristics under Greenhouse Condition. **2022**, 14, 13590 1

10 Can green manure contribute to sustainable intensification of rainfed rice production in Madagascar?. **2022**, 289, 108711 ○

9 Integrated effects of residual plastic films on soil-rhizosphere microbe-plant ecosystem. **2023**, 445, 130420 ○

8 Improvement of Photosynthesis by Biochar and Vermicompost to Enhance Tomato (*Solanum lycopersicum* L.) Yield under Greenhouse Conditions. **2022**, 11, 3214 ○

7 Fertiliser equivalent value of dairy processing sludge-derived STRUBIAS products using ryegrass (*Lolium perenne* L.) and spring wheat (*Triticum aestivum*). ○

6 Targeting high nutrient efficiency to reduce fertilizer input in wheat production of China. **2023**, 292, 108809 1

5 Agroecological practices improve soil biological properties in an organic vegetable system. ○

4 Zinc and phosphorus fertilization in *Galanthus elwesii* Hook: Changes in the total alkaloid, flavonoid, and phenolic content, and evaluation of anti-cancer, anti-microbial, and antioxidant activities. **2023**, 317, 112034 ○

3 Dynamics of bacterial community in the foregut and hindgut of earthworms with the nutrition supplied by kitchen waste during vermicomposting. **2023**, 374, 128777 ○

2 Exopolysaccharide-producing bacteria enhanced Pb immobilization and influenced the microbiome composition in rhizosphere soil of pakchoi (*Brassica chinensis* L.). 14, ○

1 Production and composition of Extracellular Polymeric Substances (EPS) by a unicellular strain and natural colonies of *Microcystis*: impact of salinity and nutrient stress. ○

