

# Richard Bell

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106  
papers

1,264  
citations

22  
h-index

29  
g-index

128  
ext. papers

1,570  
ext. citations

3.6  
avg, IF

4.89  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 106 | Issues and Challenges in the Rehabilitation and Sustainable Use of Highly Disturbed Lands Associated with Mining Activities in Australia <b>2022</b> , 525-535  |     |           |
| 105 | Shallow surface and subsurface drains alleviate waterlogging and salinity in a clay-textured soil and improve the yield of sunflower in the Ganges Delta. <i>Agronomy for Sustainable Development</i> , <b>2022</b> , 42, 1                 | 6.8 | 2         |
| 104 | Short-Term Waterlogging Depresses Early Growth of Sunflower ( <i>Helianthus annuus</i> L.) on Saline Soils with a Shallow Water Table in the Coastal Zone of Bangladesh. <i>Soil Systems</i> , <b>2021</b> , 5, 68                          | 3.5 | 1         |
| 103 | Impact of Rice Straw Mulch on Soil Physical Properties, Sunflower Root Distribution and Yield in a Salt-Affected Clay-Textured Soil. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 264   | 3   | 9         |
| 102 | Sodium (Na) Stimulates Barley Growth in Potassium (K)-Deficient Soils by Improved K Uptake at Low Na Supply or by Substitution of K at Moderate Na Supply. <i>Journal of Soil Science and Plant Nutrition</i> , <b>2021</b> , 21, 1520-1530 | 3.2 | 0         |
| 101 | Salinity Dynamics and Water Availability in Water Bodies over a Dry Season in the Ganges Delta <b>2021</b> , 305-322  |     | 1         |
| 100 | Opportunities and risks with early sowing of sunflower in a salt-affected coastal region of the Ganges Delta. <i>Agronomy for Sustainable Development</i> , <b>2021</b> , 41, 1   | 6.8 | 4         |
| 99  | Establishment of Crops under Minimal Soil Disturbance and Crop Residue Retention in Rice-Based Cropping System: Yield Advantage, Soil Health Improvement, and Economic Benefit. <i>Land</i> , <b>2021</b> , 10, 581                         | 3.5 | 2         |
| 98  | Strip Tillage and Crop Residue Retention Decrease the Size but Increase the Diversity of the Weed Seed Bank under Intensive Rice-Based Crop Rotations in Bangladesh. <i>Agronomy</i> , <b>2021</b> , 11, 1164                               | 3.6 | 4         |
| 97  | Novel Sources of Tolerance to Aluminium Toxicity in Wild ( and ) Collections. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 678211  | 6.2 | 2         |
| 96  | Soil disturbance levels, soil water content and the establishment of rainfed chickpea: Mechanised seeding options for smallholder farms in north-west Bangladesh. <i>Journal of Agronomy and Crop Science</i> , <b>2021</b> , 207, 208-223  | 3.9 |           |
| 95  | Insufficient potassium and sulfur supply threaten the productivity of perennial forage grasses in smallholder farms on tropical sandy soils. <i>Plant and Soil</i> , <b>2021</b> , 461, 617-630   | 4.2 | 2         |
| 94  | Continuous Practice of Conservation Agriculture for 35 Years in Intensive Rice-Based Cropping Patterns Reduces Soil Weed Seedbank. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 895   | 3   |           |
| 93  | Availability and utilisation pattern of agricultural waste at household level in selected areas of Bangladesh.. <i>Waste Management and Research</i> , <b>2021</b> , 734242X211064416   | 4   | 0         |
| 92  | Rice ( <i>Oryza sativa</i> L.) Establishment Techniques and Their Implications for Soil Properties, Global Warming Potential Mitigation and Crop Yields. <i>Agronomy</i> , <b>2020</b> , 10, 888  | 3.6 | 15        |
| 91  | Soil nitrogen storage and availability to crops are increased by conservation agriculture practices in rice-based cropping systems in the Eastern Gangetic Plains. <i>Field Crops Research</i> , <b>2020</b> , 250, 107764                  | 5.5 | 12        |
| 90  | Photosynthetic and respiratory response of potato leaves of different ages during and after an episode of high temperature. <i>Journal of Agronomy and Crop Science</i> , <b>2020</b> , 206, 352-362  | 3.9 | 2         |

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|----|---|------|----|
| 89 | Straw mulch and irrigation affect solute potential and sunflower yield in a heavy textured soil in the Ganges Delta. <i>Agricultural Water Management</i> , <b>2020</b> , 239, 106211   | 5.9  | 14 |
| 88 | Variation in the yield of sunflower ( <i>Helianthus annuus</i> L.) due to differing tillage systems is associated with variation in solute potential of the soil solution in a salt-affected coastal region of the Ganges Delta. <i>Soil and Tillage Research</i> , <b>2020</b> , 197, 104489 | 6.5  | 17 |
| 87 | Boron: an essential element for vascular plants: A comment on Lewis (2019) 'Boron: the essential element for vascular plants that never was'. <i>New Phytologist</i> , <b>2020</b> , 226, 1232-1237   | 9.8  | 38 |
| 86 | Variation of Germplasm to Manganese Toxicity Tolerance. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 588065  | 6.2  | 4  |
| 85 | Soil Management Systems to Overcome Multiple Constraints for Dryland Crops on Deep Sands in a Water Limited Environment on the South Coast of Western Australia. <i>Agronomy</i> , <b>2020</b> , 10, 1881   | 3.6  | 9  |
| 84 | Genotypic variation among chickpea and wild Cicer spp. in nutrient uptake with increasing concentration of solution Al at low pH. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 157, 390-401   | 5.4  | 2  |
| 83 | Sulfur management strategies to improve partial sulfur balance with irrigated peanut production on deep sands. <i>Archives of Agronomy and Soil Science</i> , <b>2020</b> , 1-14  | 2    | 2  |
| 82 | Factors influencing the soil-test calibration for Colwell P and wheat under winter-dominant rainfall. <i>Crop and Pasture Science</i> , <b>2020</b> , 71, 113   | 2.2  | 2  |
| 81 | Yield Response, Nutritional Quality and Water Productivity of Tomato ( <i>Solanum lycopersicum</i> L.) are Influenced by Drip Irrigation and Straw Mulch in the Coastal Saline Ecosystem of Ganges Delta, India. <i>Sustainability</i> , <b>2020</b> , 12, 6779                               | 3.6  | 6  |
| 80 | Integrated Weed and Nutrient Management Improve Yield, Nutrient Uptake and Economics of Maize in the Rice-Maize Cropping System of Eastern India. <i>Agronomy</i> , <b>2020</b> , 10, 1906  | 3.6  | 9  |
| 79 | Performance of pyrazosulfuron-ethyl in non-puddled transplanted rainy season rice and its residual effect on growth of the succeeding crop in rice-wheat cropping pattern. <i>International Journal of Pest Management</i> , <b>2020</b> , 66, 122-130  | 1.5  | 1  |
| 78 | Rethinking soil water repellency and its management. <i>Plant Ecology</i> , <b>2019</b> , 220, 977-984  | 1.7  | 5  |
| 77 | Decreasing the carbon footprint of an intensive rice-based cropping system using conservation agriculture on the Eastern Gangetic Plains. <i>Journal of Cleaner Production</i> , <b>2019</b> , 218, 259-272   | 10.3 | 22 |
| 76 | Forage options to sustainably intensify smallholder farming systems on tropical sandy soils. A review. <i>Agronomy for Sustainable Development</i> , <b>2019</b> , 39, 1  | 6.8  | 11 |
| 75 | Conservation Agriculture for Rice-Based Intensive Cropping by Smallholders in the Eastern Gangetic Plain. <i>Agriculture (Switzerland)</i> , <b>2019</b> , 9, 5   | 3    | 25 |
| 74 | Increases in soil sequestered carbon under conservation agriculture cropping decrease the estimated greenhouse gas emissions of wetland rice using life cycle assessment. <i>Journal of Cleaner Production</i> , <b>2019</b> , 224, 72-87   | 10.3 | 21 |
| 73 | Importance of whole plant dry matter dynamics for potato ( <i>Solanum tuberosum</i> L.) tuber yield response to an episode of high temperature. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 162, 560-571   | 5.9  | 5  |
| 72 | Partial potassium balance under irrigated peanut crops on sands in a tropical monsoonal climate. <i>Nutrient Cycling in Agroecosystems</i> , <b>2019</b> , 114, 71-83   | 3.3  | 1  |

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|----|---|------|----|
| 71 | Partially mechanized non-puddled rice establishment: on-farm performance and farmers' perceptions. <i>Plant Production Science</i> , <b>2019</b> , 22, 23-45  | 2.4  | 5  |
| 70 | Rescheduling of Wet Season (T. Aman) Rice Planting for Cropping Intensification in Coastal Bangladesh. <i>Proceedings (mdpi)</i> , <b>2019</b> , 36, 32   | 0.3  |    |
| 69 | Wheat grain-yield response to lime application: relationships with soil pH and aluminium in Western Australia. <i>Crop and Pasture Science</i> , <b>2019</b> , 70, 295  | 2.2  | 8  |
| 68 | Micronutrients limiting pasture production in Australia. <i>Crop and Pasture Science</i> , <b>2019</b> , 70, 1053   | 2.2  | 7  |
| 67 | Effects of Fresh and Saline Water Irrigation for Maize in Coastal Areas of Bangladesh. <i>Proceedings (mdpi)</i> , <b>2019</b> , 36, 144  | 0.3  |    |
| 66 | Effect of Straw Mulch and Irrigation on Sunflower and Maize Cultivation in No Tillage Systems of Coastal Heavy Soils. <i>Proceedings (mdpi)</i> , <b>2019</b> , 36, 145   | 0.3  | 0  |
| 65 | Yield Response of Sunflower to Sowing Dates and NPK Rates under Zero Tillage in Wet Soil of Southwestern Coastal Bangladesh. <i>Proceedings (mdpi)</i> , <b>2019</b> , 36, 202  | 0.3  |    |
| 64 | Potassium application alleviates grain sterility and increases yield of wheat ( <i>Triticum aestivum</i> ) in frost-prone Mediterranean-type climate. <i>Plant and Soil</i> , <b>2019</b> , 434, 203-216  | 4.2  | 9  |
| 63 | Boron nutrition of rice in different production systems. A review. <i>Agronomy for Sustainable Development</i> , <b>2018</b> , 38, 1  | 6.8  | 44 |
| 62 | EFFICACY OF HERBICIDES IN NON-PUDDLED TRANSPLANTED RICE UNDER CONSERVATION AGRICULTURE SYSTEMS AND THEIR EFFECT ON ESTABLISHMENT OF THE SUCCEEDING CROPS. <i>Acta Scientifica Malaysia</i> , <b>2018</b> , 2, 17-25                                     | 1    | 6  |
| 61 | Banding of Fertilizer Improves Phosphorus Acquisition and Yield of Zero Tillage Maize by Concentrating Phosphorus in Surface Soil. <i>Sustainability</i> , <b>2018</b> , 10, 3234   | 3.6  | 16 |
| 60 | Extremely high boron tolerance in <i>Puccinellia distans</i> (Jacq.) Parl. related to root boron exclusion and a well-regulated antioxidant system. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>2016</b> , 71, 273-85 | 1.7  | 5  |
| 59 | Canola, narrow-leafed lupin and wheat differ in growth response to low to moderate sodium on a potassium-deficient sandy soil. <i>Crop and Pasture Science</i> , <b>2016</b> , 67, 1168   | 2.2  | 3  |
| 58 | Greenhouse gas implications of novel and conventional rice production technologies in the Eastern-Gangetic plains. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 3977-3987  | 10.3 | 27 |
| 57 | Minimum tillage unpuddled transplanting: An alternative crop establishment strategy for rice in conservation agriculture cropping systems. <i>Field Crops Research</i> , <b>2016</b> , 185, 31-39   | 5.5  | 37 |
| 56 | Versatile Strip Seed Drill: A 2-Wheel Tractor-Based Option for Smallholders to Implement Conservation Agriculture in Asia and Africa. <i>Environments - MDPI</i> , <b>2016</b> , 3, 1   | 3.2  | 37 |
| 55 | Risks of Boron Toxicity in Canola and Lupin by Forms of Boron Application in Acid Sands of South-Western Australia. <i>Journal of Plant Nutrition</i> , <b>2015</b> , 38, 920-937   | 2.3  | 5  |
| 54 | Simulating wheat growth response to potassium availability under field conditions in sandy soils. II. Effect of subsurface potassium on grain yield response to potassium fertiliser. <i>Field Crops Research</i> , <b>2015</b> , 178, 125-134          | 5.5  | 12 |

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|----|---|------|----|
| 53 | Simulating wheat growth response to potassium availability under field conditions with sandy soils. I. Model development. <i>Field Crops Research</i> , <b>2015</b> , 178, 109-124  | 5.5  | 8  |
| 52 | Optimum Soil Water Content for Chickpea Emergence in Heavy-Textured Soils of North-West Bangladesh. <i>Journal of Agronomy and Crop Science</i> , <b>2015</b> , 201, 195-205  | 3.9  | 2  |
| 51 | Biochar and Compost Increase Crop Yields but the Effect is Short Term on Sandplain Soils of Western Australia. <i>Pedosphere</i> , <b>2015</b> , 25, 720-728  | 5    | 24 |
| 50 | Role of soil covers in establishment of vegetation on gold oxide refining residues. <i>Ecological Engineering</i> , <b>2015</b> , 75, 392-403   | 3.9  | 2  |
| 49 | Growth and yield responses in wheat and barley to potassium supply under drought or moderately saline conditions in the south-west of Western Australia. <i>Crop and Pasture Science</i> , <b>2015</b> , 66, 135  | 2.2  | 5  |
| 48 | Subsoil rhizosphere modification by chickpea under a dry topsoil: implications for phosphorus acquisition. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2015</b> , 178, 904-913  | 2.3  | 12 |
| 47 | Phosphorus forms in soil solution and leachate of contrasting soil profiles and their implications for P mobility. <i>Journal of Soils and Sediments</i> , <b>2015</b> , 15, 854-862  | 3.4  | 9  |
| 46 | Oxidative stress responses in watermelon ( <i>Citrullus lanatus</i> ) as influenced by boron toxicity and drought. <i>Zemdirbyste</i> , <b>2015</b> , 102, 209-216  | 1.1  | 10 |
| 45 | Nursery Fertilizer Application Increases Rice Growth and Yield in Rainfed Lowlands with or without Post-Transplanting Crop Stress. <i>American Journal of Plant Sciences</i> , <b>2015</b> , 06, 2878-2892  | 0.5  | 8  |
| 44 | Evaluation of anaerobic digestate as a substrate for vermicomposting. <i>International Journal of Environment and Waste Management</i> , <b>2014</b> , 14, 149  | 0.9  | 7  |
| 43 | Wheat responses to sodium vary with potassium use efficiency of cultivars. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 631   | 6.2  | 15 |
| 42 | Applicability of passive compost bioreactors for treatment of extremely acidic and saline waters in semi-arid climates. <i>Water Research</i> , <b>2014</b> , 55, 83-94   | 12.5 | 9  |
| 41 | The dynamics of potassium uptake and use, leaf gas exchange and root growth throughout plant phenological development and its effects on seed yield in wheat ( <i>Triticum aestivum</i> ) on a low-K sandy soil. <i>Plant and Soil</i> , <b>2013</b> , 373, 373-384                         | 4.2  | 21 |
| 40 | Overstorey and juvenile response to thinning and drought in a jarrah ( <i>Eucalyptus marginata</i> Donn ex Sm.) forest of southwestern Australia. <i>Plant and Soil</i> , <b>2013</b> , 365, 291-305  | 4.2  | 11 |
| 39 | Induced anti-oxidant activity in soybean alleviates oxidative stress under moderate boron toxicity. <i>Plant Growth Regulation</i> , <b>2013</b> , 70, 217-226  | 3.2  | 29 |
| 38 | Soil phosphorus response calibration relationships and criteria for winter cereal crops grown in Australia. <i>Crop and Pasture Science</i> , <b>2013</b> , 64, 480   | 2.2  | 33 |
| 37 | Differential growth and yield by canola ( <i>Brassica napus</i> L.) and wheat ( <i>Triticum aestivum</i> L.) arising from alterations in chemical properties of sandy soils due to additions of fly ash. <i>Journal of the Science of Food and Agriculture</i> , <b>2013</b> , 93, 995-1002 | 4.3  | 1  |
| 36 | Responses of barley to hypoxia and salinity during seed germination, nutrient uptake, and early plant growth in solution culture. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2012</b> , 175, 630-640   | 2.3  | 18 |

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| 35 | Leaf Litter Decomposition and Nutrient Dynamics in Woodland and Wetland Conditions along a Forest to Wetland Hillslope. <i>ISRN Soil Science</i> , <b>2012</b> , 2012, 1-8   |     | 5  |
| 34 | Zinc forms in compost and red mud-amended bauxite residue sand. <i>Journal of Soils and Sediments</i> , <b>2011</b> , 11, 101-114  | 3.4 | 6  |
| 33 | Bauxite residue fines as an amendment to residue sands to enhance plant growth potential in a glasshouse study. <i>Journal of Soils and Sediments</i> , <b>2011</b> , 11, 889-902  | 3.4 | 23 |
| 32 | Moderate sodium has positive effects on shoots but not roots of salt-tolerant barley grown in a potassium-deficient sandy soil. <i>Crop and Pasture Science</i> , <b>2011</b> , 62, 972  | 2.2 | 11 |
| 31 | Root pruning and transplanting increase zinc requirements of canola ( <i>Brassica napus</i> ). <i>Plant and Soil</i> , <b>2009</b> , 314, 11-24  | 4.2 | 6  |
| 30 | Micronutrient fractionation and plant availability in bauxite-processing residue sand. <i>Soil Research</i> , <b>2009</b> , 47, 518  | 1.8 | 18 |
| 29 | Evidence of phloem boron transport in response to interrupted boron supply in white lupin ( <i>Lupinus albus</i> L. cv. Kiev Mutant) at the reproductive stage. <i>Journal of Experimental Botany</i> , <b>2008</b> , 59, 575-83           | 7   | 28 |
| 28 | Ratios of C, N and P in soil water direct microbial immobilisation, mineralisation and N availability in nutrient amended sandy soils in southwestern Australia. <i>Agriculture, Ecosystems and Environment</i> , <b>2008</b> , 127, 93-99 | 5.7 | 22 |
| 27 | Measuring microbial uptake of nitrogen in nutrient-amended sandy soils: A mass-balance based approach. <i>Soil Biology and Biochemistry</i> , <b>2007</b> , 39, 581-589  | 7.5 | 4  |
| 26 | Physiology and Metabolism of Boron in Plants <b>2007</b> , 31-46   |     | 1  |
| 25 | AMENDING BAUXITE RESIDUE SANDS WITH RESIDUE FINES TO ENHANCE GROWTH POTENTIAL. <i>Journal of the American Society of Mining and Reclamation</i> , <b>2007</b> , 2007, 1-15   | 2.5 | 2  |
| 24 | Response of soil microbial activity to temperature, moisture, and litter leaching on a wetland transect during seasonal refilling. <i>Wetlands Ecology and Management</i> , <b>2005</b> , 13, 43-54  | 2.1 | 30 |
| 23 | Leaf-litter application to a sandy soil modifies phosphorus leaching over the wet season of southwestern Australia. <i>Hydrobiologia</i> , <b>2005</b> , 545, 33-44  | 2.4 | 8  |
| 22 | Boron nutrition and chilling tolerance of warm climate crop species. <i>Annals of Botany</i> , <b>2005</b> , 96, 755-67  | 4.1 | 59 |
| 21 | Estimating production of gilvin from catchment leaf litter during seasonal rains. <i>Marine and Freshwater Research</i> , <b>2005</b> , 56, 843  | 2.2 | 2  |
| 20 | Partitioning processes controlling water column phosphorus concentrations in a shallow wetland. <i>Freshwater Biology</i> , <b>2004</b> , 49, 563-575  | 3.1 | 4  |
| 19 | Enhanced boron transport into the ear of wheat as a mechanism for boron efficiency. <i>Plant and Soil</i> , <b>2004</b> , 264, 141-147   | 4.2 | 31 |
| 18 | Phosphorus dynamics from vegetated catchment to lakebed during seasonal refilling. <i>Wetlands</i> , <b>2004</b> , 24, 828-836   | 1.7 | 9  |

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|----|---|-----|----|
| 17 | Plant distribution and its relationship to extractable boron in naturally-occurring high boron soils in Turkey. <i>Israel Journal of Plant Sciences</i> , <b>2004</b> , 52, 125-132       | 0.6 | 16 |
| 16 | Low root zone temperature favours shoot B partitioning into young leaves of oilseed rape (Brassica napus). <i>Physiologia Plantarum</i> , <b>2003</b> , 118, 213-220                      | 4.6 | 10 |
| 15 | Prognosis of Boron Deficiency in Oilseed Rape (Brassica napus) by Soil Analysis <b>2002</b> , 311-317   |     |    |
| 14 | High Light Intensity Increases External Boron (B) Requirements for Leaf Growth of Sunflower (Helianthus annuus L. cv. Hysun 25) in B-buffered Solution Culture <b>2002</b> , 213-225      |     | 3  |
| 13 | Boron supply into wheat (Triticum aestivum L. cv. Wilgoyne) ears whilst still enclosed within leaf sheaths. <i>Journal of Experimental Botany</i> , <b>2001</b> , 52, 1731-1738           | 7   | 27 |
| 12 | Applications in sustainable production. <i>Communications in Soil Science and Plant Analysis</i> , <b>2000</b> , 31, 2233-2349  | 7   | 7  |
| 11 | Data presentation, interpretation, and communication. <i>Communications in Soil Science and Plant Analysis</i> , <b>2000</b> , 31, 2111-2123  | 1.5 | 3  |
| 10 | Boron efficiency in oilseed rape: I. Genotypic variation demonstrated in field and pot grown Brassica napus L. and Brassica juncea L.. <i>Plant and Soil</i> , <b>2000</b> , 225, 243-251 | 4.2 | 30 |
| 9  | Applications in sustainable production. <i>Communications in Soil Science and Plant Analysis</i> , <b>2000</b> , 31, 2379-2392  | 9   | 9  |
| 8  | Factors controlling equilibrium boron (B) concentration in nutrient solution buffered with B-specific resin (Amberlite IRA-743). <i>Plant and Soil</i> , <b>1999</b> , 208, 233-241       | 4.2 | 7  |
| 7  | Incorporating Geological Effects in Modeling of Revegetation Strategies for Salt-Affected Landscapes. <i>Environmental Management</i> , <b>1999</b> , 24, 99-109                          | 3.1 | 10 |
| 6  | Differential response of oilseed rape (Brassica napus L.) cultivars to low boron supply. <i>Plant and Soil</i> , <b>1998</b> , 204, 155-163   | 4.2 | 23 |
| 5  | Diagnosis and prediction of boron deficiency for plant production. <i>Plant and Soil</i> , <b>1997</b> , 193, 149-168   | 4.2 | 70 |
| 4  | Water supply influences boron uptake by transplanted oilseed rape (Brassica napus cv. Eureka) grown in low boron soil <b>1997</b> , 157-160   |     | 6  |
| 3  | The importance of sampling immature leaves for the diagnosis of boron deficiency in oilseed rape (Brassica napus cv. Eureka). <i>Plant and Soil</i> , <b>1996</b> , 183, 187-198          | 4.2 | 42 |
| 2  | Response to bradyrhizobium strain of peanut cultivars grown under iron stress. <i>Journal of Plant Nutrition</i> , <b>1988</b> , 11, 843-852  | 2.3 | 30 |
| 1  | Genome-wide identification and transcriptional analyses of MATE transporter genes in root tips of wildCicerspp. under aluminium stress  |     | 4  |