

Rattan Lal

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.

739
papers

51,390
citations

112
h-index

205
g-index

766
ext. papers

59,029
ext. citations

4.8
avg, IF

8.84
L-index

#	Paper	IF	Citations
739	Soil Organic Carbon in Alley Cropping Systems: A Meta-Analysis. <i>Sustainability</i> , 2022 , 14, 1296	3.6	0
738	Soil Erosion and Its Impacts on Greenhouse Gases 2022 , 11-18		
737	Simultaneous effects of legume cultivation on carbon and nitrogen accumulation in soil. <i>Advances in Agronomy</i> , 2022 , 75-110	7.7	1
736	Green manuring and crop residue management: Effect on soil organic carbon stock, aggregation, and system productivity in the foothills of Eastern Himalaya (India). <i>Soil and Tillage Research</i> , 2022 , 218, 105318	6.5	6
735	Can C-budget of natural capital be restored through conservation agriculture in a tropical and subtropical environment?. <i>Environmental Pollution</i> , 2022 , 298, 118817	9.3	1
734	Soil chemical properties in glacial moraines across a chronosequence influenced by avifauna and volcanic materials: Breiðmerkurjökull, Iceland. <i>Catena</i> , 2022 , 209, 105836	5.8	
733	Carbon sequestration potential and CO ₂ fluxes in a tropical forest ecosystem. <i>Ecological Engineering</i> , 2022 , 176, 106541	3.9	7
732	Responses of soil pH to no-till and the factors affecting it: A global meta-analysis. <i>Global Change Biology</i> , 2022 , 28, 154-166	11.4	4
731	Differential accumulation patterns of microbial necromass induced by maize root vs. shoot residue addition in agricultural Alfisols. <i>Soil Biology and Biochemistry</i> , 2022 , 164, 108474	7.5	1
730	Soil carbon stocks and water stable aggregates under annual and perennial biofuel crops in central Ohio. <i>Agriculture, Ecosystems and Environment</i> , 2022 , 324, 107715	5.7	1
729	Soil Organic Carbon Stocks 2022 , 33-54		
728	Incentivizing Soil Organic Carbon Management in Terrestrial Biomes of the United States of America 2022 , 175-201		0
727	Soil Organic Carbon Sequestration 2022 , 55-145		
726	Quantitative characterization of non-DLVO factors in the aggregation of black soil colloids.. <i>Scientific Reports</i> , 2022 , 12, 5064	4.9	
725	Double no-till and rice straw retention in terraced sloping lands improves water content, soil health and productivity of lentil in Himalayan foothills. <i>Soil and Tillage Research</i> , 2022 , 221, 105381	6.5	0
724	Fate of Soil Carbon Transported by Erosional Processes. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 48	2.6	3
723	Mechanisms of soil organic carbon stability and its response to no-till: A global synthesis and perspective. <i>Global Change Biology</i> , 2021 ,	11.4	5

722	Addressing our planetary crisis: Consensus statement from the presenters and International Advisory Committee of the Regional Action on Climate Change (RACC) Symposium held in conjunction with the Kyoto-based Science and Technology in Society (STS) Forum, 1 October 2021. <i>Sustainability Science</i> , 2021 , 17, 1-3	6.4	0
721	Implementing land evaluation and site assessment (LESA system) in farmland protection: A case-study in northeastern China. <i>Land Degradation and Development</i> , 2021 , 32, 2437-2452	4.4	6
720	Disease-Suppressive Soils-Beyond Food Production: a Critical Review. <i>Journal of Soil Science and Plant Nutrition</i> , 2021 , 21, 1-29	3.2	13
719	Changes in soil carbon stocks under plantation systems and natural forests in Northeast India. <i>Ecological Modelling</i> , 2021 , 446, 109500	3	5
718	C-offset and crop energy efficiency increase due industrial poultry waste use in long-term no-till soil minimizing environmental pollution. <i>Environmental Pollution</i> , 2021 , 275, 116565	9.3	0
717	Conservation tillage and nutrient management practices in summer rice (L.) favoured root growth and phenotypic plasticity of succeeding winter pea (L.) under eastern Himalayas, India. <i>Heliyon</i> , 2021 , 7, e07078	3.6	0
716	Potential of conservation tillage and altered land configuration to improve soil properties, carbon sequestration and productivity of maize based cropping system in eastern Himalayas, India. <i>International Soil and Water Conservation Research</i> , 2021 , 9, 279-290	6.9	2
715	Tree diversity, soil organic carbon lability and ecosystem carbon storage under a fallow age chronosequence in North East India. <i>Environmental and Sustainability Indicators</i> , 2021 , 10, 100122	3.5	4
714	Soils and sustainable development goals of the United Nations: An International Union of Soil Sciences perspective. <i>Geoderma Regional</i> , 2021 , 25, e00398	2.7	28
713	Short-term effect of a crop-livestock-forestry system on soil, water and nutrient loss in the Cerrado-Amazon ecotone. <i>Acta Amazonica</i> , 2021 , 51, 102-112	0.8	1
712	Maize-based intercropping systems achieve higher productivity and profitability with lesser environmental footprint in a water-scarce region of northwest China. <i>Food and Energy Security</i> , 2021 , 10, e260	4.1	5
711	Can no-till restore soil organic carbon to levels under natural vegetation in a subtropical and tropical Typic Quartzipsamment?. <i>Land Degradation and Development</i> , 2021 , 32, 1742-1750	4.4	6
710	Sustainable Soil Management for Food Security in South Asia. <i>Journal of Soil Science and Plant Nutrition</i> , 2021 , 21, 258-275	3.2	4
709	Conclusions: Perspectives on Conservation Agriculture 2021 , 623-632		
708	Heteroaggregation of humic acid with montmorillonite in divalent electrolytes: effects of humic acid content and ionic concentration. <i>Journal of Soils and Sediments</i> , 2021 , 21, 1317-1328	3.4	0
707	Managing Chernozem for Reducing Global Warming 2021 , 81-93		1
706	Climate change and agriculture 2021 , 661-686		2
705	Soil Strength and Carbon Sequestration. <i>Geophysical Monograph Series</i> , 2021 , 201-204	1.1	

704	Effects of Organic Amendments on Enzymes Activities in a Calcareous Sandy Soil. <i>Eurasian Soil Science</i> , 2021 , 54, 271-284	1.5	1
703	Integrated nutrient management improves soil organic matter and agronomic sustainability of semiarid rainfed Inceptisols of the Indo-Gangetic Plains. <i>Journal of Plant Nutrition and Soil Science</i> , 2021 , 184, 562	2.3	1
702	Soil-derived Nature's Contributions to People and their contribution to the UN Sustainable Development Goals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200185	5.8	7
701	The role of soil in regulation of climate. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20210084	5.8	13
700	Managing rice fallow lands of the Eastern Indian Himalayas: Impacts of residue management and varietal interventions on soil properties, carbon stocks, and productivity. <i>Land Degradation and Development</i> , 2021 , 32, 4871	4.4	0
699	Land evaluation and site assessment for the basic farmland protection in Lingyuan County, Northeast China. <i>Journal of Cleaner Production</i> , 2021 , 314, 128097	10.3	2
698	Energy and carbon budgeting of traditional land use change with groundnut based cropping system for environmental quality, resilient soil health and farmers income in eastern Indian Himalayas. <i>Journal of Environmental Management</i> , 2021 , 293, 112892	7.9	6
697	The food-energy-water-carbon nexus in a maize-maize-mustard cropping sequence of the Indian Himalayas: An impact of tillage-cum-live mulching. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111602	16.2	7
696	Crop diversification practice faces a tradeoff between increasing productivity and reducing carbon footprints. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 321, 107614	5.7	4
695	Soil organic matter and water retention. <i>Agronomy Journal</i> , 2020 , 112, 3265-3277	2.2	23
694	Cotton production systems in the Brazilian Cerrado: The impact of soil attributes on field-scale yield. <i>European Journal of Agronomy</i> , 2020 , 118, 126090	5	2
693	Food security impacts of the 1 per Thousand Initiative. <i>Geoderma</i> , 2020 , 374, 114427	6.7	14
692	Microbial assimilation dynamics differs but total mineralization from added root and shoot residues is similar in agricultural Alfisols. <i>Soil Biology and Biochemistry</i> , 2020 , 148, 107901	7.5	6
691	Soil science beyond COVID-19. <i>Journal of Soils and Water Conservation</i> , 2020 , 75, 79A-81A	2.2	16
690	Soil organic matter content and crop yield. <i>Journal of Soils and Water Conservation</i> , 2020 , 75, 27A-32A	2.2	28
689	Home gardening and urban agriculture for advancing food and nutritional security in response to the COVID-19 pandemic. <i>Food Security</i> , 2020 , 12, 1-6	6.7	115
688	Long-term impact of topsoil depth and amendments on carbon and nitrogen budgets in the surface layer of an Alfisol in Central Ohio. <i>Catena</i> , 2020 , 194, 104752	5.8	137
687	Influence of land configuration and organic sources of nutrient supply on productivity and quality of ginger (<i>Zingiber officinale</i> Rosc.) grown in Eastern Himalayas, India. <i>Environmental Sustainability</i> , 2020 , 3, 59-67	2.9	3

686	Spatiotemporal characteristics analysis of multifunctional cultivated land: A case-study in Shenyang, Northeast China. <i>Land Degradation and Development</i> , 2020 , 31, 1812-1822	4.4	12
685	Long term crop management effects on soil organic carbon, structure, and water retention in a cropland soil in central Ohio, USA. <i>Journal of Plant Nutrition and Soil Science</i> , 2020 , 183, 200-207	2.3	
684	Effects of agricultural and tillage practices on isotopic signatures and fluxes of organic and inorganic carbon in headwater streams. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	3
683	Long-term impacts of topsoil depth and amendments on soil physical and hydrological properties of an Alfisol in central Ohio, USA. <i>Geoderma</i> , 2020 , 363, 114164	6.7	142
682	When does nutrient management sequester more carbon in soils and produce high and stable grain yields in China?. <i>Land Degradation and Development</i> , 2020 , 31, 1926-1941	4.4	6
681	Conservation tillage and residue management improves soil properties under a upland rice/wapeseed system in the subtropical eastern Himalayas. <i>Land Degradation and Development</i> , 2020 , 31, 1775-1791	4.4	10
680	Soil Erosion and Gaseous Emissions. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2784	2.6	16
679	Managing soil quality for humanity and the planet. <i>Frontiers of Agricultural Science and Engineering</i> , 2020 , 7, 251	1.7	6
678	Knowledge Gaps and Research Priorities 2020 , 607-623		
677	No-Till Farming Systems in South Asia 2020 , 459-476		
676	Agricultural and Natural Resource Sustainability Under Changing Climate in Africa 2020 , 3-19		1
675	Carbon Management in Diverse Land-Use Systems of Eastern Himalayan Subtropics 2020 , 123-142		1
674	Vehicular traffic effects on hydraulic properties of a Crosby silt loam under a long-term no-till farming in Central Ohio, USA. <i>Soil and Tillage Research</i> , 2020 , 202, 104654	6.5	26
673	Managing soils for negative feedback to climate change and positive impact on food and nutritional security. <i>Soil Science and Plant Nutrition</i> , 2020 , 66, 1-9	1.6	24
672	Sustaining crop production in China's cropland by crop residue retention: A meta-analysis. <i>Land Degradation and Development</i> , 2020 , 31, 694-709	4.4	36
671	Carbon sequestration and mineralization in soil aggregates under long-term conservation tillage in the North China Plain. <i>Catena</i> , 2020 , 188, 104428	5.8	34
670	Variability and determinants of soil organic matter under different land uses and soil types in eastern China. <i>Soil and Tillage Research</i> , 2020 , 198, 104544	6.5	14
669	Water stable aggregates and the associated active and recalcitrant carbon in soil under rubber plantation. <i>Science of the Total Environment</i> , 2020 , 703, 135498	10.2	10

668	Priming effect intensity of soil organic carbon mineralization under no-till and residue retention. <i>Applied Soil Ecology</i> , 2020 , 147, 103445	5	18
667	Aligning science and policy of regenerative agriculture. <i>Soil Science Society of America Journal</i> , 2020 , 84, 1808-1820	2.5	12
666	Double mulching improves soil properties and productivity of maize-based cropping system in eastern Indian Himalayas. <i>International Soil and Water Conservation Research</i> , 2020 , 8, 308-320	6.9	9
665	No-Till Farming and Conservation Agriculture in South Asia – Issues, Challenges, Prospects and Benefits. <i>Critical Reviews in Plant Sciences</i> , 2020 , 39, 236-279	5.6	22
664	Soil carbon dynamics in diverse organic land use systems in North Eastern Himalayan ecosystem of India. <i>Catena</i> , 2020 , 194, 104785	5.8	6
663	Spatio-temporal characteristics of cultivated land fragmentation in different landform areas with a case study in Northeast China. <i>Ecosystem Health and Sustainability</i> , 2020 , 6, 1800415	3.7	4
662	Integrating Animal Husbandry With Crops and Trees. <i>Frontiers in Sustainable Food Systems</i> , 2020 , 4,	4.8	12
661	The long-term impact of vehicular traffic on winter and spring methane flux under no-till farming in Central Ohio. <i>Atmospheric Pollution Research</i> , 2020 , 11, 2030-2035	4.5	0
660	The role of industry and the private sector in promoting the 1000 initiative and other negative emission technologies. <i>Geoderma</i> , 2020 , 378, 114613	6.7	7
659	Managing Soils for Recovering from the COVID-19 Pandemic. <i>Soil Systems</i> , 2020 , 4, 46	3.5	30
658	Towards a global-scale soil climate mitigation strategy. <i>Nature Communications</i> , 2020 , 11, 5427	17.4	87
657	Soil organic carbon dynamics in intensively managed agricultural landscapes of eastern China. <i>Archives of Agronomy and Soil Science</i> , 2020 , 1-13	2	1
656	Effects of conservation tillage on wheat growth duration and grain yield in the North China Plain. <i>Archives of Agronomy and Soil Science</i> , 2020 , 1-15	2	1
655	Landuse and land cover identification and disaggregating socio-economic data with convolutional neural network. <i>Geocarto International</i> , 2020 , 35, 1109-1123	2.7	4
654	Can conservation tillage and residue management enhance energy use efficiency and sustainability of rice-pea system in the Eastern Himalayas?. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 830-846	2	3
653	Managing soils for resolving the conflict between agriculture and nature: The hard talk. <i>European Journal of Soil Science</i> , 2020 , 71, 1-9	3.4	11
652	Soil and nutrients losses under different crop covers in vertisols of Central India. <i>Journal of Soils and Sediments</i> , 2020 , 20, 609-620	3.4	12
651	Emergy analysis for maize fields under different amendment applications in Guyana. <i>Journal of Cleaner Production</i> , 2020 , 258, 120761	10.3	10

650	Long-Term Effects of Different Passages of Vehicular Traffic on Soil Properties and Carbon Storage of a Crosby Silt Loam in USA. <i>Pedosphere</i> , 2019 , 29, 150-160	5	6
649	Soil organic carbon stock as an indicator for monitoring land and soil degradation in relation to United Nations' Sustainable Development Goals. <i>Land Degradation and Development</i> , 2019 , 30, 824-838	4.4	63
648	Vermicompost and biochar substrates can reduce nutrients leachates on containerized ornamental plant production. <i>Horticultura Brasileira</i> , 2019 , 37, 47-53	0.9	8
647	Temporal variability of soil organic carbon in paddies during 13-year conservation tillage. <i>Land Degradation and Development</i> , 2019 , 30, 1840-1850	4.4	19
646	Carbon Cycling in Global Drylands. <i>Current Climate Change Reports</i> , 2019 , 5, 221-232	9	26
645	Eco-intensification through soil carbon sequestration: Harnessing ecosystem services and advancing sustainable development goals. <i>Journal of Soils and Water Conservation</i> , 2019 , 74, 55A-61A	2.2	21
644	Optimized agronomic management as a double-win option for higher maize productivity and less global warming intensity: A case study of Northeastern China. <i>Advances in Agronomy</i> , 2019 , 251-292	7.7	5
643	Conceptual basis of managing soil carbon: Inspired by nature and driven by science. <i>Journal of Soils and Water Conservation</i> , 2019 , 74, 29A-34A	2.2	12
642	Agronomic Interactions with CO2 Sequestration 2019 , 425-431		
641	Reference values and soil quality in areas of high soybean yield in Cerrado region, Brazil. <i>Soil and Tillage Research</i> , 2019 , 195, 104362	6.5	4
640	Effects of tillage and rice residue management practices on lentil root architecture, productivity and soil properties in India's Lower Himalayas. <i>Soil and Tillage Research</i> , 2019 , 194, 104313	6.5	6
639	Rights-of-Soil. <i>Journal of Soils and Water Conservation</i> , 2019 , 74, 81A-86A	2.2	9
638	Managing Urban Soils for Food Security and Adaptation to Climate Change. <i>Springer Geography</i> , 2019 , 302-319	0.4	2
637	Nitrous oxide emission, global warming potential, and denitrifier abundances as affected by long-term fertilization on Mollisols of Northeastern China. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 1831-1844	2	4
636	Impact of no-till and mulching on soil carbon sequestration under rice (<i>Oryza sativa</i> L.)-rapeseed (<i>Brassica campestris</i> L. var. rapeseed) cropping system in hilly agro-ecosystem of the Eastern Himalayas, India. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 275, 81-92	5.7	32
635	Adaptation and Mitigation of Climate Change by Improving Agriculture in India 2019 , 217-227		5
634	Management-induced greenhouse gases emission mitigation in global rice production. <i>Science of the Total Environment</i> , 2019 , 649, 1299-1306	10.2	27
633	Extreme stress threatened double rice production in Southern China during 1981-2010. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 1987-1996	3	4

632	Long-term effects of vehicular passages on soil carbon sequestration and carbon dioxide emission in a no-till corn-soybean rotation on a Crosby silt loam in Central Ohio, USA. <i>Journal of Plant Nutrition and Soil Science</i> , 2019 , 182, 126-136	2.3	6
631	Long-term effects of tillage and straw management on soil organic carbon, crop yield, and yield stability in a wheat-maize system. <i>Field Crops Research</i> , 2019 , 233, 33-40	5.5	77
630	Foliar Application of Seaweed Sap Enhances Growth, Yield and Quality of Maize in Eastern Himalayas. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019 , 89, 221-229	1.4	7
629	Promoting 4 Per Thousand and Adapting African Agriculture by south-south cooperation: Conservation agriculture and sustainable intensification. <i>Soil and Tillage Research</i> , 2019 , 188, 27-34	6.5	43
628	Accelerated Soil erosion as a source of atmospheric CO ₂ . <i>Soil and Tillage Research</i> , 2019 , 188, 35-40	6.5	69
627	Transforming waste into resources for the Indian economy. <i>Environmental Development</i> , 2018 , 26, 123-128	1.8	18
626	Sustainability of sugarcane production in Brazil. A review. <i>Agronomy for Sustainable Development</i> , 2018 , 38, 1	6.8	150
625	Managing India's small landholder farms for food security and achieving the "4 per Thousand" target. <i>Science of the Total Environment</i> , 2018 , 634, 1024-1033	10.2	31
624	The National Distribution Pattern and Factors Affecting Heavy Metals in Sediments of Water Systems in China. <i>Soil and Sediment Contamination</i> , 2018 , 27, 79-97	3.2	3
623	Multi-indicator assessment of a water-saving agricultural engineering project in North Beijing, China. <i>Agricultural Water Management</i> , 2018 , 200, 34-46	5.9	10
622	Digging deeper: A holistic perspective of factors affecting soil organic carbon sequestration in agroecosystems. <i>Global Change Biology</i> , 2018 , 24, 3285-3301	11.4	214
621	Impacts of simulated erosion and soil amendments on greenhouse gas fluxes and maize yield in Miamian soil of central Ohio. <i>Scientific Reports</i> , 2018 , 8, 520	4.9	8
620	The water footprint and validity analysis of ecological engineering in North Beijing, China. <i>Journal of Cleaner Production</i> , 2018 , 172, 1899-1909	10.3	8
619	Sustainable intensification of China's agroecosystems by conservation agriculture. <i>International Soil and Water Conservation Research</i> , 2018 , 6, 1-12	6.9	28
618	Conservation tillage and mulching effects on the adaptive capacity of direct-seeded upland rice (<i>Oryza sativa</i> L.) to alleviate weed and moisture stresses in the North Eastern Himalayan Region of India. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 1254-1267	2	48
617	Changes in soil organic carbon fractions in response to different tillage practices under a wheat-maize double cropping system. <i>Land Degradation and Development</i> , 2018 , 29, 1555-1564	4.4	21
616	Energy budget and carbon footprint in a no-till and mulch based rice-mustard cropping system. <i>Journal of Cleaner Production</i> , 2018 , 191, 144-157	10.3	106
615	Managing water to enhance global cereal yields. <i>Journal of Soils and Water Conservation</i> , 2018 , 73, 49A-52A	1.5	3

614	Tillage and cropping sequence effect on physico-chemical and biological properties of soil in Eastern Himalayas, India. <i>Soil and Tillage Research</i> , 2018 , 180, 182-193	6.5	25
613	Higher CO ₂ absorption using a new class of calcium hydroxide (Ca(OH) ₂) nanoparticles. <i>Environmental Chemistry Letters</i> , 2018 , 16, 1095-1100	13.3	10
612	Seaweed extract as organic bio-stimulant improves productivity and quality of rice in eastern Himalayas. <i>Journal of Applied Phycology</i> , 2018 , 30, 547-558	3.2	40
611	Ecosystem carbon sequestration through restoration of degraded lands in Northeast India. <i>Land Degradation and Development</i> , 2018 , 29, 15-25	4.4	44
610	Cracks and Potholes in Vertisols: Characteristics, Occurrence, and Management. <i>Advances in Agronomy</i> , 2018 , 93-159	7.7	15
609	Soil carbon and nitrogen stocks and physical properties under no-till and conventional tillage cotton-based systems in the Brazilian Cerrado. <i>Land Degradation and Development</i> , 2018 , 29, 3405-3412	4.4	13
608	Role of Legumes in Soil Carbon Sequestration 2018 , 109-138		45
607	Reducing Amazon Deforestation through Agricultural Intensification in the Cerrado for Advancing Food Security and Mitigating Climate Change. <i>Sustainability</i> , 2018 , 10, 989	3.6	31
606	Legumes and Sustainable Use of Soils 2018 , 1-31		21
605	An agent-based model to simulate the cultivation pattern change of farmer households in the North China Plain. <i>Journal of Land Use Science</i> , 2018 , 13, 508-534	2.7	1
604	Biomass and Bioenergy 2018 , 261-299		
603	Importance of Soils of Agroecosystems for Climate Change Policy 2018 , 357-386		2
602	Agricultural Land Use and the Global Carbon Cycle 2018 , 1-37		3
601	Increasing World Average Yields of Cereal Crops: It's All About Water. <i>Advances in Agronomy</i> , 2018 , 151, 1-44	7.7	22
600	World Soils as a Source or Sink for Radiatively-Active Gases 2018 , 1-8		3
599	A biotic strategy to sequester carbon in the ornamental containerized bedding plant production: A review. <i>Spanish Journal of Agricultural Research</i> , 2018 , 16, e03R01	1.1	9
598	Macroaggregation and soil organic carbon restoration in a highly weathered Brazilian Oxisol after two decades under no-till. <i>Science of the Total Environment</i> , 2018 , 621, 1559-1567	10.2	19
597	Vulnerability of women to climate change in arid and semi-arid regions: The case of India and South Asia. <i>Journal of Arid Environments</i> , 2018 , 149, 4-17	2.5	45

596	The carbon sequestration potential of terrestrial ecosystems. <i>Journal of Soils and Water Conservation</i> , 2018 , 73, 145A-152A	2.2	81
595	Environmental Indicator Principium with Case References to Agricultural Soil, Water, and Air Quality and Model-Derived Indicators. <i>Journal of Environmental Quality</i> , 2018 , 47, 191-202	3.4	3
594	Decoupling Land productivity and greenhouse gas footprints: A review. <i>Land Degradation and Development</i> , 2018 , 29, 4348-4361	4.4	8
593	Effects of Subsoiling Tillage on Soil Properties, Maize Root Distribution, and Grain Yield on Mollisols of Northeastern China. <i>Agronomy Journal</i> , 2018 , 110, 1607-1615	2.2	14
592	CO ₂ -C evolution rate in an incubation study with straw input to soil managed by different tillage systems.. <i>RSC Advances</i> , 2018 , 8, 12588-12596	3.7	5
591	Effect of 10 years of biofertiliser use on soil quality and rice yield on an Inceptisol in Assam, India. <i>Soil Research</i> , 2018 , 56, 49	1.8	66
590	Soil Carbon Stock 2018 , 39-136		5
589	Carbon Sequestration in Cropland Soils 2018 , 137-173		
588	Sugarcane yield and soil carbon response to straw removal in south-central Brazil. <i>Geoderma</i> , 2018 , 328, 79-90	6.7	41
587	Saving global land resources by enhancing eco-efficiency of agroecosystems. <i>Journal of Soils and Water Conservation</i> , 2018 , 73, 100A-106A	2.2	14
586	Effect of Soil Amendments and Land Use Systems on Surface Cracks, Soil Properties and Crop Yield in a Vertisol. <i>Agricultural Research</i> , 2018 , 7, 443-455	1.4	2
585	Morpho-physiological plant quality when biochar and vermicompost are used as growing media replacement in urban horticulture. <i>Urban Forestry and Urban Greening</i> , 2018 , 34, 175-180	5.4	19
584	Mulching Affects Soil Properties and Greenhouse Gas Emissions Under Long-Term No-Till and Plough-Till Systems in Alfisol of Central Ohio. <i>Land Degradation and Development</i> , 2017 , 28, 673-681	4.4	47
583	Soil Quality Effect of Conservation Practices in Maize-Bapeseed Cropping System in Eastern Himalaya. <i>Land Degradation and Development</i> , 2017 , 28, 1862-1874	4.4	40
582	Natural ¹³ C abundance and soil carbon dynamics under long-term residue retention in a no-till maize system. <i>Soil Use and Management</i> , 2017 , 33, 90-97	3.1	4
581	Changes in quantity and quality of soil carbon due to the land-use conversion to sugarcane (<i>Saccharum officinarum</i>) plantation in southern Brazil. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 240, 54-65	5.7	26
580	Annual Burning Enhances Biomass Production and Nutrient Cycling in Degraded Imperata Grasslands. <i>Land Degradation and Development</i> , 2017 , 28, 1763-1771	4.4	16
579	US Land-Grant Universities in India: Assessing the consequences of agricultural partnership, 1952-1972. <i>International Journal of Educational Development</i> , 2017 , 53, 58-70	1.6	1

578	Modeling soil organic carbon in corn (<i>Zea mays</i> L.)-based systems in Ohio under climate change. <i>Journal of Soils and Water Conservation</i> , 2017 , 72, 191-204	2.2	6
577	The Role of Bioenergy in Mitigating Climate Change 2017 , 433-495		
576	Mitigation of Climate Change: Introduction 2017 , 287-325		1
575	Greenhouse Gas Mitigation under Agriculture and Livestock Landuse 2017 , 343-394		3
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