

Ruben S Sakrabani

List of Publications by Year in descending order

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84
papers

1,925
citations

236612

25
h-index

288905

40
g-index

89
all docs

89
docs citations

89
times ranked

2832
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis of in-field soil testing and mapping for improving fertilizer decision-making in vegetable production in Kenya and Ghana. <i>Soil Use and Management</i> , 2022, 38, 164-178.	2.6	2
2	Why Agricultural Tools Work in Theory But Aren't Adopted in Practice: A Grounded Theory Approach to ICT in Ghana and Kenya. <i>Air, Soil and Water Research</i> , 2022, 15, 117862212210927.	1.2	2
3	Novel procedure for testing of soil field test kits involving paper strips. <i>Soil Use and Management</i> , 2021, 37, 607-617.	2.6	7
4	Towards agro-environmentally sustainable irrigation with treated produced water in hyper-arid environments. <i>Agricultural Water Management</i> , 2021, 243, 106449.	2.4	22
5	Efficacy of selected phosphorus sorbing materials (PSMs) to enhance the orthophosphate sorption capacity of filter socks. <i>Water and Environment Journal</i> , 2021, 35, 807-818.	1.0	2
6	Soil spectroscopy with the use of chemometrics, machine learning and pre-processing techniques in soil diagnosis: Recent advances—A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116166.	5.8	71
7	Old problem, the Millennial solution: using mobile technology to inform decision making for sustainable fertilizer management. <i>Current Opinion in Environmental Sustainability</i> , 2021, 49, 26-32.	3.1	7
8	Optimizing setup of scan number in FTIR spectroscopy using the moment distance index and PLS regression: application to soil spectroscopy. <i>Scientific Reports</i> , 2021, 11, 13358.	1.6	12
9	Medium-term effect of fertilizer, compost, and dolomite on cocoa soil and productivity in Sulawesi, Indonesia. <i>Experimental Agriculture</i> , 2021, 57, 185-202.	0.4	2
10	Phosphorus flow analysis for Malawi: Identifying potential sources of renewable phosphorus recovery. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105744.	5.3	13
11	Energy and economic assessment of mixed palm residue utilisation for production of activated carbon and ash as fertiliser in agriculture. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-13.	1.2	0
12	Agro-environmental sustainability and financial cost of reusing gasfield-produced water for agricultural irrigation. <i>Agricultural Water Management</i> , 2020, 227, 105860.	2.4	18
13	Multi-stakeholder analysis to improve agricultural water management policy and practice in Malta. <i>Agricultural Water Management</i> , 2020, 229, 105920.	2.4	29
14	Co-gasification of oil palm biomass in a pilot scale downdraft gasifier. <i>Energy Reports</i> , 2020, 6, 1888-1896.	2.5	11
15	Preparation and Characterisation of Activated Carbon from Palm Mixed Waste Treated with Trona Ore. <i>Molecules</i> , 2020, 25, 5028.	1.7	14
16	Lead and copper-induced hormetic effect and toxicity mechanisms in lettuce (<i>Lactuca sativa</i> L.) grown in a contaminated soil. <i>Science of the Total Environment</i> , 2020, 741, 140440.	3.9	22
17	Adapting smartphone app used in water testing, for soil nutrient analysis. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105532.	3.7	7
18	Understanding the Impacts of Crude Oil and its Induced Abiotic Stresses on Agrifood Production: A Review. <i>Horticulturae</i> , 2019, 5, 47.	1.2	39

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19	Assessing the environmental sustainability of irrigation with oil and gas produced water in drylands. <i>Agricultural Water Management</i> , 2019, 223, 105694.	2.4	22
20	Realizing the Circular Economy for Sanitation: Assessing Enabling Conditions and Barriers to the Commercialization of Human Excreta Derived Fertilizer in Haiti and Kenya. <i>Sustainability</i> , 2019, 11, 3154.	1.6	29
21	Ten-year legacy of organic carbon in non-agricultural (brownfield) soils restored using green waste compost exceeds 4‰ per mille per annum: Benefits and trade-offs of a circular economy approach. <i>Science of the Total Environment</i> , 2019, 686, 1057-1068.	3.9	18
22	Soil and transport factors in potential distribution systems for biofertilisers derived from palm oil mill residues in Malaysia. <i>Computers and Electronics in Agriculture</i> , 2019, 166, 105005.	3.7	8
23	The Impact of Woody Biochar on Microbial Processes in Conventionally and Organically Managed Arable soils. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 1387-1402.	0.6	7
24	Challenges to the use of fertilisers derived from human excreta: The case of vegetable exports from Kenya to Europe and influence of certification systems. <i>Food Policy</i> , 2019, 85, 72-78.	2.8	37
25	The value of manure - Manure as co-product in life cycle assessment. <i>Journal of Environmental Management</i> , 2019, 241, 293-304.	3.8	33
26	Developing a water strategy for sustainable irrigated agriculture in Mediterranean island communities – Insights from Malta. <i>Outlook on Agriculture</i> , 2019, 48, 143-151.	1.8	5
27	Risk assessments for quality-assured, source-segregated composts and anaerobic digestates for a circular bioeconomy in the UK. <i>Environment International</i> , 2019, 127, 253-266.	4.8	38
28	Long-term phosphorus accumulation and removal efficiency in a land-based wastewater treatment system in the UK. <i>Water and Environment Journal</i> , 2019, 33, 589-598.	1.0	1
29	The potential for using smartphones as portable soil nutrient analyzers on suburban farms in central East China. <i>Scientific Reports</i> , 2019, 9, 16424.	1.6	20
30	A Review of Chemicals to Produce Activated Carbon from Agricultural Waste Biomass. <i>Sustainability</i> , 2019, 11, 6204.	1.6	167
31	Assessment of silt from sand and gravel processing as a suitable sub-soil material in land restoration: A glasshouse study. <i>Chemosphere</i> , 2019, 219, 58-65.	4.2	1
32	Impact of Crude Oil on Yield and Phytochemical Composition of Selected Green Leafy Vegetables. <i>International Journal of Vegetable Science</i> , 2019, 25, 554-570.	0.6	9
33	Evaluating the Efficacy of Fertilisers Derived from Human Excreta in Agriculture and Their Perception in Antananarivo, Madagascar. <i>Waste and Biomass Valorization</i> , 2019, 10, 941-952.	1.8	22
34	Evaluating the Efficacy of Different Manures in the Cultivation of Aubergine and Green Pepper – A Case study of the Maltese Islands. <i>MCAST Journal of Applied Research & Practice</i> , 2019, 3, 61-75.	0.1	0
35	Evaluating oil palm fresh fruit bunch processing in Nigeria. <i>Waste Management and Research</i> , 2018, 36, 236-246.	2.2	14
36	Reusing oil and gas produced water for irrigation of food crops in drylands. <i>Agricultural Water Management</i> , 2018, 206, 124-134.	2.4	75

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37	Critical evaluation of oil palm fresh fruit bunch solid wastes as soil amendments: Prospects and challenges. <i>Resources, Conservation and Recycling</i> , 2018, 136, 399-409.	5.3	51
38	Evaluating Changes in Soil Organic Matter with Climate Using CENTURY in England and Wales. <i>Journal of Environmental Quality</i> , 2018, 47, 695-703.	1.0	4
39	Phosphate acceptance map: A novel approach to match phosphorus content of biosolids with land and crop requirements. <i>Agricultural Systems</i> , 2018, 166, 57-69.	3.2	7
40	Influence of sub-lethal concentrations of crude oil on tomato yield and quality. <i>South Asian Journal of Food Technology and Environment</i> , 2018, 04, 722-733.	0.1	1
41	Biochar for Agriculture in Pakistan. <i>Sustainable Agriculture Reviews</i> , 2017, , 57-114.	0.6	7
42	Long-term phosphorus removal in land treatment systems: Evaluation, experiences, and opportunities. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 314-334.	6.6	6
43	Developments in land information systems: examples demonstrating land resource management capabilities and options. <i>Soil Use and Management</i> , 2017, 33, 514-529.	2.6	29
44	REPRESENTATIVENESS OF EUROPEAN BIOCHAR RESEARCH: PART I â€œ FIELD EXPERIMENTS. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017, 25, 140-151.	0.4	20
45	REPRESENTATIVENESS OF EUROPEAN BIOCHAR RESEARCH: PART II â€œ POT AND LABORATORY STUDIES. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017, 25, 152-159.	0.4	6
46	SYNERGISTIC USE OF PEAT AND CHARRED MATERIAL IN GROWING MEDIA â€œ AN OPTION TO REDUCE THE PRESSURE ON PEATLANDS?. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017, 25, 160-174.	0.4	94
47	Fieldâ€Scale Evaluation of Biosolidsâ€Derived Organomineral Fertilizers Applied to Winter Wheat in England. <i>Agronomy Journal</i> , 2017, 109, 654-674.	0.9	30
48	Improving Soil and Water Management for Agriculture: Insights and Innovation from Malta. <i>MCAST Journal of Applied Research & Practice</i> , 2017, 1, 40-59.	0.1	5
49	Longâ€term Impact of Sewage Sludge Application on <i>Rhizobium leguminosarum</i> biovar <i>trifolii</i> : An Evaluation Using Metaâ€Analysis. <i>Journal of Environmental Quality</i> , 2016, 45, 1572-1587.	1.0	4
50	Long-term impact of sewage sludge application on soil microbial biomass: An evaluation using meta-analysis. <i>Environmental Pollution</i> , 2016, 219, 1021-1035.	3.7	52
51	A glass house trial to investigate the impact of water treatment sludge and green waste compost to enhance the revegetation of contaminated sites. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 865-876.	1.3	1
52	Toward the Standardization of Biochar Analysis: The COST Action TD1107 Interlaboratory Comparison. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 513-527.	2.4	86
53	Nutrient potential of biosolids and urea derived organo-mineral fertilisers in a field scale experiment using ryegrass (<i>Lolium perenne</i> L.). <i>Field Crops Research</i> , 2015, 175, 56-63.	2.3	20
54	Input constraints to food production: the impact of soil degradation. <i>Food Security</i> , 2015, 7, 351-364.	2.4	62

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55	Phosphorus Release Characteristics from Biosolids-Derived Organomineral Fertilizers. Communications in Soil Science and Plant Analysis, 2014, 45, 2565-2576.	0.6	18
56	Effects of Biosolids-Derived Organomineral Fertilizers, Urea, and Biosolids Granules on Crop and Soil Established with Ryegrass (<i>Lolium perenne</i>). Communications in Soil Science and Plant Analysis, 2014, 45, 1605-1621.	0.6	24
57	Effect of slurry dry matter content, application technique and timing on emissions of ammonia and greenhouse gas from cattle slurry applied to grassland soils in Ireland. Agriculture, Ecosystems and Environment, 2014, 188, 122-133.	2.5	47
58	Managing declining yields from ageing tea plantations. Journal of the Science of Food and Agriculture, 2014, 94, 1477-1481.	1.7	7
59	Nitrogen Release Characteristics from Biosolids-Derived Organomineral Fertilizers. Communications in Soil Science and Plant Analysis, 2014, 45, 1687-1698.	0.6	22
60	Impact of biochar addition on water retention, nitrification and carbon dioxide evolution from two sandy loam soils. European Journal of Soil Science, 2014, 65, 96-104.	1.8	150
61	Influence and interactions of multi-factors on the bioavailability of PAHs in compost amended contaminated soils. Chemosphere, 2014, 107, 43-50.	4.2	17
62	Compost-Sewage Effluent Integration for Ryegrass Production. Journal of Crop Improvement, 2014, 28, 345-360.	0.9	1
63	A new sludge-derived organo-mineral fertilizer gives similar crop yields as conventional fertilizers. Agronomy for Sustainable Development, 2013, 33, 539-549.	2.2	48
64	Influence of compost amendments on the hydraulic functioning of brownfield soils. Soil Use and Management, 2013, 29, 260-270.	2.6	13
65	Field-Scale Evaluation of Biosolids-Derived Organomineral Fertilisers Applied to Ryegrass (<i>Lolium</i>)	0.8	12
66	Characterisation of Organomineral Fertilisers Derived from Nutrient-Enriched Biosolids Granules. Applied and Environmental Soil Science, 2013, 2013, 1-11.	0.8	28
67	The "Neighbourhood Effect"™: A multidisciplinary assessment of the case for farmer co-ordination in agri-environmental programmes. Land Use Policy, 2012, 29, 502-512.	2.5	56
68	The effect of triclosan on microbial community structure in three soils. Chemosphere, 2012, 89, 1-9.	4.2	27
69	Fate of triclosan in field soils receiving sewage sludge. Environmental Pollution, 2012, 167, 101-109.	3.7	66
70	A comparison of soil and water properties in organic and conventional farming systems in England. Soil Use and Management, 2011, 27, 133-142.	2.6	29
71	Does soil biology hold the key to optimized slurry management? A manifesto for research. Soil Use and Management, 2011, 27, 464-469.	2.6	7
72	Solvent-based washing removes lipophilic contaminant interference with phospholipid fatty acid analysis of soil communities. Soil Biology and Biochemistry, 2011, 43, 2208-2212.	4.2	4

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73	Effects of triclosan on soil microbial respiration. Environmental Toxicology and Chemistry, 2011, 30, 360-366.	2.2	42
74	Organomineral Fertilisers: Nutrient Dynamics and Evaluation of Agronomic Characteristics. , 2009, , .		0
75	Biodegradability of organic matter associated with sewer sediments during first flush. Science of the Total Environment, 2009, 407, 2989-2995.	3.9	26
76	Organomineral Fertilisers: Nitrogen Dynamics and Evaluation of Agronomic Characteristics. , 2008, , .		2
77	A Comparison of the Effects of Conventional and Organic Farming Practices on Soil Properties. , 2008, , .		0
78	The influence of biodegradability of sewer solids for the management of CSOs. Water Science and Technology, 2005, 51, 89-97.	1.2	5
79	The influence of biodegradability of sewer solids for the management of CSOs. Water Science and Technology, 2005, 51, 89-97.	1.2	0
80	Near Bed Solids in Combined Sewers. , 2002, , 1.		0
81	Erosion mechanisms in combined sewers and the potential for pollutant release to receiving waters and water treatment plants. Water Science and Technology, 2002, 45, 61-69.	1.2	2
82	Managing sewer solids for the reduction of foul flush effects “ Forfar WTP. Water Science and Technology, 2002, 45, 265-272.	1.2	0
83	Managing sewer solids for the reduction of foul flush effects–Forfar WTP. Water Science and Technology, 2002, 45, 265-72.	1.2	0
84	Treatment of Industrial Wastewater Using Membrane Bioreactors (MBR)“ Effluent Quality & Sludge Characterization. , 2001, , 1.		1