

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	A Review of Chemicals to Produce Activated Carbon from Agricultural Waste Biomass. Sustainability, 2019, 11, 6204.	1.6	167
2	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
3	SYNERGISTIC USE OF PEAT AND CHARRED MATERIAL IN GROWING MEDIA – AN OPTION TO REDUCE THE PRESSURE ON PEATLANDS?. Journal of Environmental Engineering and Landscape Management, 2017, 25, 160-174.	0.4	94
4	Toward the Standardization of Biochar Analysis: The COST Action TD1107 Interlaboratory Comparison. Journal of Agricultural and Food Chemistry, 2016, 64, 513-527.	2.4	86
5	Reusing oil and gas produced water for irrigation of food crops in drylands. Agricultural Water Management, 2018, 206, 124-134.	2.4	75
6	Soil spectroscopy with the use of chemometrics, machine learning and pre-processing techniques in soil diagnosis: Recent advances – A review. TrAC - Trends in Analytical Chemistry, 2021, 135, 116166.	5.8	71
7	Fate of triclosan in field soils receiving sewage sludge. Environmental Pollution, 2012, 167, 101-109.	3.7	66
8	Input constraints to food production: the impact of soil degradation. Food Security, 2015, 7, 351-364.	2.4	62
9	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
10	Long-term impact of sewage sludge application on soil microbial biomass: An evaluation using meta-analysis. Environmental Pollution, 2016, 219, 1021-1035.	3.7	52
11	Critical evaluation of oil palm fresh fruit bunch solid wastes as soil amendments: Prospects and challenges. Resources, Conservation and Recycling, 2018, 136, 399-409.	5.3	51
12	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
13	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
14	Effects of triclosan on soil microbial respiration. Environmental Toxicology and Chemistry, 2011, 30, 360-366.	2.2	42
15	Understanding the Impacts of Crude Oil and its Induced Abiotic Stresses on Agrifood Production: A Review. Horticulturae, 2019, 5, 47.	1.2	39
16	Risk assessments for quality-assured, source-segregated composts and anaerobic digestates for a circular bioeconomy in the UK. Environment International, 2019, 127, 253-266.	4.8	38
17	Challenges to the use of fertilisers derived from human excreta: The case of vegetable exports from Kenya to Europe and influence of certification systems. Food Policy, 2019, 85, 72-78.	2.8	37
18	The value of manure - Manure as co-product in life cycle assessment. Journal of Environmental Management, 2019, 241, 293-304.	3.8	33

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19	Field-scale Evaluation of Biosolids-Derived Organomineral Fertilizers Applied to Winter Wheat in England. <i>Agronomy Journal</i> , 2017, 109, 654-674.	0.9	30
20	A comparison of soil and water properties in organic and conventional farming systems in England. <i>Soil Use and Management</i> , 2011, 27, 133-142.	2.6	29
21	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
22	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
23	Multi-stakeholder analysis to improve agricultural water management policy and practice in Malta. <i>Agricultural Water Management</i> , 2020, 229, 105920.	2.4	29
24	Characterisation of Organomineral Fertilisers Derived from Nutrient-Enriched Biosolids Granules. <i>Applied and Environmental Soil Science</i> , 2013, 2013, 1-11.	0.8	28
25	The effect of triclosan on microbial community structure in three soils. <i>Chemosphere</i> , 2012, 89, 1-9.	4.2	27
26	Biodegradability of organic matter associated with sewer sediments during first flush. <i>Science of the Total Environment</i> , 2009, 407, 2989-2995.	3.9	26
27	Effects of Biosolids-Derived Organomineral Fertilizers, Urea, and Biosolids Granules on Crop and Soil Established with Ryegrass (<i>Lolium perenne</i> L.). <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1605-1621.	0.6	24
28	Nitrogen Release Characteristics from Biosolids-Derived Organomineral Fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1687-1698.	0.6	22
29	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
30	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
31	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
32	Towards agro-environmentally sustainable irrigation with treated produced water in hyper-arid environments. <i>Agricultural Water Management</i> , 2021, 243, 106449.	2.4	22
33	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
34	REPRESENTATIVENESS OF EUROPEAN BIOCHAR RESEARCH: PART I – FIELD EXPERIMENTS. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017, 25, 140-151.	0.4	20
35	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
36	Phosphorus Release Characteristics from Biosolids-Derived Organomineral Fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 2565-2576.	0.6	18

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37	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
38	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
39	Influence and interactions of multi-factors on the bioavailability of PAHs in compost amended contaminated soils. <i>Chemosphere</i> , 2014, 107, 43-50.	4.2	17
40	Evaluating oil palm fresh fruit bunch processing in Nigeria. <i>Waste Management and Research</i> , 2018, 36, 236-246.	2.2	14
41	Preparation and Characterisation of Activated Carbon from Palm Mixed Waste Treated with Trona Ore. <i>Molecules</i> , 2020, 25, 5028.	1.7	14
42	Influence of compost amendments on the hydraulic functioning of brownfield soils. <i>Soil Use and Management</i> , 2013, 29, 260-270.	2.6	13
43	Phosphorus flow analysis for Malawi: Identifying potential sources of renewable phosphorus recovery. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105744.	5.3	13
44	Field-Scale Evaluation of Biosolids-Derived Organomineral Fertilisers Applied to Ryegrass (<i>Lolium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	12
45	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
46	Co-gasification of oil palm biomass in a pilot scale downdraft gasifier. <i>Energy Reports</i> , 2020, 6, 1888-1896.	2.5	11
47	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
48	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
49	Does soil biology hold the key to optimized slurry management? A manifesto for research. <i>Soil Use and Management</i> , 2011, 27, 464-469.	2.6	7
50	Managing declining yields from ageing tea plantations. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 1477-1481.	1.7	7
51	Biochar for Agriculture in Pakistan. <i>Sustainable Agriculture Reviews</i> , 2017, , 57-114.	0.6	7
52	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
53	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
54	Adapting smartphone app used in water testing, for soil nutrient analysis. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105532.	3.7	7

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55	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
56	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
57	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
58	REPRESENTATIVENESS OF EUROPEAN BIOCHAR RESEARCH: PART II “ POT AND LABORATORY STUDIES. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017, 25, 152-159.	0.4	6
59	The influence of biodegradability of sewer solids for the management of CSOs. <i>Water Science and Technology</i> , 2005, 51, 89-97.	1.2	5
60	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
61	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
62	Solvent-based washing removes lipophilic contaminant interference with phospholipid fatty acid analysis of soil communities. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2208-2212.	4.2	4
63	Long-term Impact of Sewage Sludge Application on <i>Rhizobium leguminosarum</i> biovar <i>trifolii</i> : An Evaluation Using Meta-analysis. <i>Journal of Environmental Quality</i> , 2016, 45, 1572-1587.	1.0	4
64	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
65	Erosion mechanisms in combined sewers and the potential for pollutant release to receiving waters and water treatment plants. <i>Water Science and Technology</i> , 2002, 45, 61-69.	1.2	2
66	Organomineral Fertilisers: Nitrogen Dynamics and Evaluation of Agronomic Characteristics. , 2008, , .		2
67	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
68	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
69	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
70	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
71	Treatment of Industrial Wastewater Using Membrane Bioreactors (MBR) – Effluent Quality & Sludge Characterization. , 2001, , 1.		1
72	Compost-Sewage Effluent Integration for Ryegrass Production. <i>Journal of Crop Improvement</i> , 2014, 28, 345-360.	0.9	1

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73	A glass house trial to investigate the impact of water treatment sludge and green waste compost to enhance the revegetation of contaminated sites. Archives of Agronomy and Soil Science, 2016, 62, 865-876.	1.3	1
74	Long-term phosphorus accumulation and removal efficiency in a land-based wastewater treatment system in the UK. Water and Environment Journal, 2019, 33, 589-598.	1.0	1
75	Assessment of silt from sand and gravel processing as a suitable sub-soil material in land restoration: A glasshouse study. Chemosphere, 2019, 219, 58-65.	4.2	1
76	Influence of sub-lethal concentrations of crude oil on tomato yield and quality. South Asian Journal of Food Technology and Environment, 2018, 04, 722-733.	0.1	1
77	Near Bed Solids in Combined Sewers. , 2002, , 1.		0
78	Managing sewer solids for the reduction of foul flush effects – Forfar WTP. Water Science and Technology, 2002, 45, 265-272.	1.2	0
79	A Comparison of the Effects of Conventional and Organic Farming Practices on Soil Properties. , 2008, , .		0
80	Organomineral Fertilisers: Nutrient Dynamics and Evaluation of Agronomic Characteristics. , 2009, , .		0
81	Energy and economic assessment of mixed palm residue utilisation for production of activated carbon and ash as fertiliser in agriculture. Environmental Technology (United Kingdom), 2021, , 1-13.	1.2	0
82	Evaluating the Efficacy of Different Manures in the Cultivation of Aubergine and Green Pepper – A Case study of the Maltese Islands. MCAST Journal of Applied Research & Practice, 2019, 3, 61-75.	0.1	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	The influence of biodegradability of sewer solids for the management of CSOs. Water Science and Technology, 2005, 51, 89-97.	1.2	0