

# Krishna R Reddy

## List of Publications by Year in descending order

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495  
papers

20,635  
citations

9428

76  
h-index

23173

116  
g-index

521  
all docs

521  
docs citations

521  
times ranked

13487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-scale performance of biochar-amended soil covers for landfill methane oxidation. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 5819-5834.	2.9	3
2	Effects of biochar-amended alkali-activated slag on the stabilization of coral sand in coastal areas. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 760-772.	3.7	5
3	Comparison of improved shear strength of biotreated sand using different ureolytic strains and sterile conditions. <i>Soil Use and Management</i> , 2022, 38, 771-789.	2.6	19
4	Comparison of limestone calcined clay cement and ordinary Portland cement for stabilization/solidification of Pb-Zn smelter residue. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11393-11404.	2.7	9
5	Sustainable environmental geotechnics practices for a green economy. <i>Environmental Geotechnics</i> , 2022, 9, 68-84.	1.3	16
6	Hydraulic Conductivity of Sand/Biopolymer-Amended Bentonite Backfills in Vertical Cutoff Walls Permeated with Lead Solutions. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	1.5	25
7	Enhanced contaminant retardation by novel modified calcium bentonite backfill in slurry trench cutoff walls. <i>Construction and Building Materials</i> , 2022, 320, 126285.	3.2	16
8	Spatio-temporal variations of quality of rainwater and stormwater and treatment of stormwater runoff using sand-gravel filters: case study of Delhi, India. <i>Rendiconti Lincei</i> , 2022, 33, 135-142.	1.0	7
9	Dredged Material Decision Tool (DMDT) for Sustainable Beneficial Reuse Applications. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 178.	1.2	1
10	Nanobioremediation of insecticides and herbicides. , 2022, , 501-516.		0
11	Use of methanotrophically activated biochar in novel biogeochemical cover system for carbon sequestration: Microbial characterization. <i>Science of the Total Environment</i> , 2022, 821, 153429.	3.9	2
12	Electrokinetic-assisted phytoremediation of heavy metal contaminated soil: Present status, challenges, and opportunities. , 2022, , 537-555.		1
13	Methane Oxidation and Microbial Community Dynamics in Activated Biochar-Amended Landfill Soil Cover. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	0.7	4
14	Liquefaction Resistance of Biotreated Sand Before and After Exposing to Weathering Conditions. <i>Indian Geotechnical Journal</i> , 2022, 52, 328-340.	0.7	15
15	Tiered Quantitative Assessment of Life Cycle Sustainability and Resilience (TQUALICSR): Framework for Design of Engineering Projects. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2022, , 1-19.	0.3	1
16	Investigation of different biogeochemical cover configurations for mitigation of landfill gas emissions: laboratory column experiments. <i>Acta Geotechnica</i> , 2022, 17, 5481-5498.	2.9	5
17	Multiple heavy metal immobilization and strength improvement of contaminated soil using bio-mediated calcite precipitation technique. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51827-51846.	2.7	16
18	Sustainability assessment of PFAS adsorbents for groundwater remediation. <i>Materials Today: Proceedings</i> , 2022, 60, 2209-2216.	0.9	4

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19	Enhanced Landfill Methane Oxidation Using Activated Biochar. , 2022, , .		0
20	Reliability Assessment of Bioreactor Landfill Performance Using Coupled Thermo-Hydro-Bio-Mechanical Model. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	1.5	0
21	Large-scale spatial characterization and liquefaction resistance of sand by hybrid bacteria induced biocementation. Engineering Geology, 2022, 302, 106635.	2.9	24
22	Use of Biochar for Sustainable Environmental Remediation. Lecture Notes in Civil Engineering, 2022, , 1-10.	0.3	0
23	Water Sensitive Urban Design (WSUD) for Treatment of Storm Water Runoff. , 2022, , 49-61.		2
24	Biogeochemical versus Conventional Landfill Soil Covers: Analysis of Gas Flow Profiles, Microbial Communities, and Mineralogy. Journal of Hazardous, Toxic, and Radioactive Waste, 2022, 26, .	1.2	2
25	Properties and Assessment of Applications of Red Mud (Bauxite Residue): Current Status and Research Needs. Waste and Biomass Valorization, 2021, 12, 1185-1217.	1.8	62
26	Mixed versus layered multi-media filter for simultaneous removal of nutrients and heavy metals from urban stormwater runoff. Environmental Science and Pollution Research, 2021, 28, 7574-7585.	2.7	9
27	Influence of Waste Temperatures on Long-Term Landfill Performance: Coupled Numerical Modeling. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	17
28	Effects of Biochar on Methane Oxidation and Properties of Landfill Cover Soil: Long-Term Column Incubation Tests. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	15
29	Modeling elasto-visco-bio-plastic mechanical behavior of municipal solid waste in landfills. Acta Geotechnica, 2021, 16, 1061-1081.	2.9	11
30	State of the Art Review of Emerging and Biogeotechnical Methods for Liquefaction Mitigation in Sands. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	1.2	42
31	Investigation of various gram-positive bacteria for MICP in Narmada Sand, India. International Journal of Geotechnical Engineering, 2021, 15, 220-234.	1.1	40
32	Characterization of Heavy Metals from a Contaminated Industrial Site. Lecture Notes in Civil Engineering, 2021, , 195-200.	0.3	0
33	Quantitative Assessment of Life Cycle Sustainability (QUALICS): Application to Engineering Projects. Lecture Notes in Civil Engineering, 2021, , 111-125.	0.3	3
34	Temperature Effects on Stability and Integrity of Geomembrane-Geotextile Interface in Municipal Solid Waste Landfill. International Journal of Geosynthetics and Ground Engineering, 2021, 7, 1.	0.9	8
35	Membrane behavior and diffusion properties of sand/SHMP-amended bentonite vertical cutoff wall backfill exposed to lead contamination. Engineering Geology, 2021, 284, 106037.	2.9	30
36	Comprehensive coupled thermo-hydro-bio-mechanical model for holistic performance assessment of municipal solid waste landfills. Computers and Geotechnics, 2021, 132, 103920.	2.3	14

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37	Effect of freeze-thaw cycles on engineering properties of biocemented sand under different treatment conditions. <i>Engineering Geology</i> , 2021, 284, 106022.	2.9	57
38	Effects of Leachate Recirculation System Variables on Long-Term Bioreactor Landfill Performance Using Coupled Thermo-Hydro-Bio-mechanical Model. <i>International Journal of Geomechanics</i> , 2021, 21, 04021059.	1.3	6
39	Simplified biogeochemical numerical model to predict pore fluid chemistry and calcite precipitation during biocementation of soil. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	14
40	Advancements in Municipal Solid Waste Landfill Cover System: A Review. <i>Journal of the Indian Institute of Science</i> , 2021, 101, 557-588.	0.9	15
41	Remediation of Hexavalent Chromium Contaminated Clay Soil by Injection of Nanoscale Zero Valent Iron (nZVI). <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	8
42	Combined effect of mineralogical and chemical parameters on swelling behaviour of expansive soils. <i>Scientific Reports</i> , 2021, 11, 16562.	1.6	10
43	Interaction of biopolymer with dispersive geomaterial and its characterization: An eco-friendly approach for erosion control. <i>Journal of Cleaner Production</i> , 2021, 312, 127778.	4.6	31
44	Seasonal variability and kinetics of phosphate removal in a Phragmites-based engineered wetland. <i>Rendiconti Lincei</i> , 2021, 32, 729-735.	1.0	7
45	Hydraulic conductivity of soil-bentonite backfill comprised of SHMP-amended Ca-bentonite to Cr(VI)-impacted groundwater. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103856.	1.6	15
46	Hybrid bacteria mediated cemented sand: Microcharacterization, permeability, strength, shear wave velocity, stress-strain, and durability. <i>International Journal of Damage Mechanics</i> , 2021, 30, 618-645.	2.4	17
47	Rock-like behavior of biocemented sand treated under non-sterile environment and various treatment conditions. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 705-705.	3.7	45
48	Climate-Resilient Biogeochemical Cover for Waste Containment Systems. , 2021, , .		3
49	Heavy metals containment by vertical cutoff walls backfilled with novel reactive magnesium-activated slag-bentonite-sand: Membrane and diffusion behavior. <i>Journal of Cleaner Production</i> , 2021, 328, 129623.	4.6	15
50	Two-Phase Flow Modeling to Evaluate Effectiveness of Different Leachate Injection Systems for Bioreactor Landfills. <i>Environmental Modeling and Assessment</i> , 2020, 25, 115-128.	1.2	3
51	Pilot-scale field investigation of ex situ solidification/stabilization of soils with inorganic contaminants using two novel binders. <i>Acta Geotechnica</i> , 2020, 15, 1467-1480.	2.9	13
52	Effect of Basic Oxygen Furnace Slag-Infiltrated Water on Methane Oxidation and Community Composition in Biogeochemical Landfill Cover System. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, 04020001.	1.2	2
53	Numerical modeling of coupled biochemical and thermal behavior of municipal solid waste in landfills. <i>Computers and Geotechnics</i> , 2020, 128, 103836.	2.3	23
54	Strength Enhancement and Lead Immobilization of Sand Using Consortia of Bacteria and Blue-Green Algae. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	33

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55	Pb-Zn Smelter Residue (LZSR) Stabilized Using Low-Carbon, Low-Cost Limestoneâ€“Calcined Clay Cement: Leachability, Chemical Speciation, Strength, and Microstructure. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	5
56	Removal Kinetics of Heavy Metals and Nutrients from Stormwater by Different Filter Materials. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	3
57	Carbon-Dioxide and Hydrogen-Sulfide Removal from Simulated Landfill Gas Using Steel Slag. Journal of Environmental Engineering, ASCE, 2020, 146, .	0.7	15
58	Stabilization/Solidification of Zinc- and Lead-Contaminated Soil Using Limestone Calcined Clay Cement (LC3): An Environmentally Friendly Alternative. Sustainability, 2020, 12, 3725.	1.6	20
59	Addressing Climate Change Impacts and Resiliency in Contaminated Site Remediation. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	9
60	Effects of Elevated Concentrations of Co-Existing Heavy Metals and PAHs in Soil on Phytoremediation. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, 04020035.	1.2	8
61	Index Properties, Hydraulic Conductivity and Contaminant-Compatibility of CMC-Treated Sodium Activated Calcium Bentonite. International Journal of Environmental Research and Public Health, 2020, 17, 1863.	1.2	16
62	Use of Nanoscale Zero-Valent Iron for Remediation of Clayey Soil Contaminated with Hexavalent Chromium: Batch and Column Tests. International Journal of Environmental Research and Public Health, 2020, 17, 1001.	1.2	20
63	Coal mine overburden soft shale as a controlled low strength material. International Journal of Mining, Reclamation and Environment, 2020, 34, 725-747.	1.2	16
64	Role of Temperature in Microbial Methane Oxidation in Landfill Cover Soil. , 2020, , .		0
65	Evaluating Uncertainty in Environmental Impacts from Life Cycle Assessment of Contaminated Site Remediation Options. , 2020, , .		1
66	SHMP-Amended Ca-Bentonite/Sand Backfill Barrier for Containment of Lead Contamination in Groundwater. International Journal of Environmental Research and Public Health, 2020, 17, 370.	1.2	14
67	Effect of pH on Methane Oxidation and Community Composition in Landfill Cover Soil. Journal of Environmental Engineering, ASCE, 2020, 146, .	0.7	23
68	Numerical Modeling of Landfill Processes: Complexity Versus Practicality. Lecture Notes in Civil Engineering, 2020, , 85-94.	0.3	1
69	Influence of nanoscale zero-valent iron on hydraulic conductivity of a residual clayey soil and modeling of the filtration parameter. Environmental Science and Pollution Research, 2020, 27, 9288-9296.	2.7	10
70	Consolidation and Hydraulic Conductivity of Soil-Bentonite Backfill Containing SHMP-Amended Ca-Bentonite in CCR-Impacted Groundwater. Lecture Notes in Civil Engineering, 2020, , 31-38.	0.3	0
71	Sustainability of Vertical Barriers for Environmental Containment. Lecture Notes in Civil Engineering, 2020, , 271-283.	0.3	2
72	Nanobioremediation of Soils Contaminated with Lindane: Overview and Research Challenges. Lecture Notes in Civil Engineering, 2020, , 195-205.	0.3	0

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73	A Zero Emissions Landfill: Turning Myth to Reality. Lecture Notes in Civil Engineering, 2020, , 243-251.	0.3	0
74	New Ternary Blend Limestone Calcined Clay Cement for Solidification/Stabilization of Pb <sup>2+</sup> Contaminated Soil. Lecture Notes in Civil Engineering, 2020, , 131-138.	0.3	1
75	Life cycle sustainability assessment of geothermal heating and cooling system: UIC case study. E3S Web of Conferences, 2020, 205, 07003.	0.2	5
76	Chemical Compatibility of Slurry Trench Cutoff Wall Backfills Comprised of SHMP-Amended Ca-Bentonites in Lead-Contaminated Solutions: Hydraulic Conductivity Assessment. Lecture Notes in Civil Engineering, 2020, , 365-371.	0.3	0
77	Effect of temperature on methane oxidation and community composition in landfill cover soil. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1283-1295.	1.4	27
78	Innovative Biogeochemical Cover to Mitigate Landfill Gas Emissions: Investigation of Controlling Parameters Based on Batch and Column Experiments. Environmental Processes, 2019, 6, 935-949.	1.7	10
79	Influence of sodium chloride on leaching behavior of fly ash stabilized with carbide lime. Construction and Building Materials, 2019, 227, 116571.	3.2	8
80	Retention of Pb and Cr(VI) onto slurry trench vertical cutoff wall backfill containing phosphate dispersant amended Ca-bentonite. Applied Clay Science, 2019, 168, 355-365.	2.6	26
81	New ternary blend limestone calcined clay cement for solidification/stabilization of zinc contaminated soil. Chemosphere, 2019, 235, 308-315.	4.2	39
82	Fundamental Research on Geochemical Processes for the Development of Resilient and Sustainable Geosystems. Springer Series in Geomechanics and Geoengineering, 2019, , 169-192.	0.0	0
83	Role of Geochemistry in Sustainable Geotechnics. Lecture Notes in Civil Engineering, 2019, , 1-15.	0.3	2
84	Understanding Speciation and Leaching of Heavy Metals from a Polluted Site, Surat, Gujarat. Lecture Notes in Civil Engineering, 2019, , 105-112.	0.3	0
85	Quantitative Assessment of Life Cycle Sustainability (QUALICS): Framework and its application to assess electrokinetic remediation. Chemosphere, 2019, 230, 92-106.	4.2	47
86	Chemical Analysis Procedures for Determining the Dispersion Behaviour of Red Mud. Lecture Notes in Civil Engineering, 2019, , 19-26.	0.3	5
87	Sequestration of Landfill Gas Emissions Using Basic Oxygen Furnace Slag: Effects of Moisture Content and Humid Gas Flow Conditions. Journal of Environmental Engineering, ASCE, 2019, 145, 04019033.	0.7	10
88	Shear Response of Interfaces in Liner System under Accelerated Degradation of MSW in Bioreactor Landfill. , 2019, , .		1
89	Effect of Moisture Content on CO <sub>2</sub> Sequestration by BOF Slag in Landfill Cover. , 2019, , .		0
90	Application of Triple Bottom Line Sustainability Framework to Select Remediation Method at Industrial Contaminated Site. , 2019, , .		3

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91	Effect of basic oxygen furnace slag particle size on sequestration of carbon dioxide from landfill gas. Waste Management and Research, 2019, 37, 469-477.	2.2	10
92	Role of Landfill Cover Materials in Mitigating GHG Emissions in Biogeochemical Landfill Cover System. , 2019, , .		1
93	Effect of basic oxygen furnace slag type on carbon dioxide sequestration from landfill gas emissions. Waste Management, 2019, 85, 425-436.	3.7	19
94	Critical review of applications of iron and steel slags for carbon sequestration and environmental remediation. Reviews in Environmental Science and Biotechnology, 2019, 18, 127-152.	3.9	62
95	Incorporating Thermal Effects in Modeling of MSW Landfills. Environmental Science and Engineering, 2019, , 10-17.	0.1	7
96	Phytoremediation of Field Soil with Mixed Contamination. Environmental Science and Engineering, 2019, , 624-629.	0.1	2
97	Identifying Active Methanotrophs and Mitigation of CH <sub>4</sub> Emissions in Landfill Cover Soil. Environmental Science and Engineering, 2019, , 308-316.	0.1	3
98	Chemical Compatibility of CMC-Treated Bentonite Under Heavy Metal Contaminants and Landfill Leachate. Environmental Science and Engineering, 2019, , 421-429.	0.1	0
99	Toxicity Evaluation of Nano-Zero Valent Iron to Soil Indigenous Microorganisms. Environmental Science and Engineering, 2019, , 882-888.	0.1	2
100	Sorption of Lead to Slurry Trench Cutoff Wall Backfills Comprised of SHMP-Amended Ca-Bentonite. Environmental Science and Engineering, 2019, , 537-543.	0.1	0
101	Risk, Sustainability and Resiliency Considerations in Polluted Site Remediation. Environmental Science and Engineering, 2019, , 145-163.	0.1	0
102	Addressing Sustainable Technologies in Geotechnical and Geoenvironmental Engineering. Developments in Geotechnical Engineering, 2018, , 1-26.	0.6	8
103	Biochar-Amended Soil Cover for Microbial Methane Oxidation: Effect of Biochar Amendment Ratio and Cover Profile. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	45
104	Physicalâ€“Mineralogicalâ€“Chemical Characterization of Carbide Lime: An Environment-Friendly Chemical Additive for Soil Stabilization. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	53
105	Short-Term Hydraulic Conductivity and Consolidation Properties of Soil-Bentonite Backfills Exposed to CCR-Impacted Groundwater. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	51
106	Solidification and Stabilization of Heavy Metalâ€“Contaminated Industrial Site Soil Using KMP Binder. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	24
107	Sustainable Utilization of Scrap Tire Derived Geomaterials for Geotechnical Applications. Indian Geotechnical Journal, 2018, 48, 251-266.	0.7	25
108	Sodium hexametaphosphate (SHMP)-amended calcium bentonite for slurry trench cutoff walls: workability and microstructure characteristics. Canadian Geotechnical Journal, 2018, 55, 528-537.	1.4	53

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109	System Effects on Bioreactor Landfill Performance Based on Coupled Hydro-Bio-Mechanical Modeling. Journal of Hazardous, Toxic, and Radioactive Waste, 2018, 22, .	1.2	20
110	Mine tailing disposal sites: contamination problems, remedial options and phytocaps for sustainable remediation. Reviews in Environmental Science and Biotechnology, 2018, 17, 205-228.	3.9	101
111	Reliability assessment of bioreactor landfills using Monte Carlo simulation and coupled hydro-bio-mechanical model. Waste Management, 2018, 72, 329-338.	3.7	25
112	Influence of Vegetation on Long-term Phosphorus Sequestration in Subtropical Treatment Wetlands. Journal of Environmental Quality, 2018, 47, 361-370.	1.0	23
113	Sustainable Streetscape: Case of Lake Street in Downtown Oak Park, Illinois, USA. , 2018, , .		1
114	Quantitative Sustainability Assessment of Various Remediation Alternatives for Contaminated Lake Sediments: Case Study. Sustainability, 2018, 11, 307-321.	0.9	11
115	Sustainability Assessment of Concrete Mixtures for Pavements and Bridge Decks. , 2018, , .		0
116	Environmental Sustainability Assessment of Soil Amendments for Enhanced Phytoremediation. , 2018, , .		1
117	Performance of two novel binders to stabilize field soil with zinc and chloride: Mechanical properties, leachability and mechanisms assessment. Construction and Building Materials, 2018, 189, 1191-1199.	3.2	25
118	Reliability Analysis of Transport of Nanoscale Iron Particles in Saturated Porous Media. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	3
119	Modeling Coupled Hydro-Bio-Mechanical Processes in Bioreactor Landfills: Framework and Validation. International Journal of Geomechanics, 2018, 18, .	1.3	26
120	Effects of Unsaturated Hydraulic Properties of Municipal Solid Waste on Moisture Distribution and Settlement in Bioreactor Landfills. , 2018, , .		2
121	Unsaturated Hydraulic Properties of Biochar and Biochar-Amended Soils for Landfill Covers. , 2018, , .		2
122	Biopolymer amendment for mitigating dispersive characteristics of red mud waste. Geotechnique Letters, 2018, 8, 201-207.	0.6	31
123	Field Pilot Scale Ex-Situ S/S of Electroplating Industrial Contaminated Soil Using Two Novel Binders. Springer Series in Geomechanics and Geoengineering, 2018, , 1269-1273.	0.0	1
124	Modeling Coupled Hydromechanical Behavior of Landfilled Waste in Bioreactor Landfills: Numerical Formulation and Validation. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	1.2	13
125	Horizontal trench system effects on leachate recirculation in bioreactor landfills. Geomechanics and Geoengineering, 2017, 12, 115-136.	0.9	5
126	Effect of Phosphate Dispersant Amendment on Workability of Ca-Bentonite Slurry for Slurry Trench Cutoff-Wall Construction. Indian Geotechnical Journal, 2017, 47, 445-452.	0.7	9



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127	Effects of biochar and wood pellets amendments added to landfill cover soil on microbial methane oxidation: A laboratory column study. <i>Journal of Environmental Management</i> , 2017, 193, 19-31.	3.8	44
128	Biostimulation and rainfall infiltration: influence on retention of biodiesel in residual clayey soil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9594-9604.	2.7	9
129	Field-Scale Phytoremediation of Mixed Contaminants in Upland Area of Big Marsh Site, Chicago, USA. <i>Indian Geotechnical Journal</i> , 2017, 47, 453-468.	0.7	2
130	Analysis of the Workability of Soil-Bentonite Slurry-Trench Cutoff Walls. , 2017, , .		1
131	Phytoremediation of Heavy Metals and PAHs in Alkaline Slag Fill at a Wet Meadow Site. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	1.2	3
132	Numerical Modeling of the Shear Response of a Composite Liner System with Municipal Solid Waste Degradation in Landfills. , 2017, , .		4
133	Bioremediation of Soil Contaminated with Diesel and Biodiesel Fuel Using Biostimulation with Microalgae Biomass. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	0.7	34
134	Modeling Coupled Processes in Municipal Solid Waste Landfills: An Overview with Key Engineering Challenges. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2017, 3, 1.	0.9	37
135	Sustainability Assessment of Conventional and Alternate Landfill Cover Systems. , 2017, , .		5
136	Microbial Abundance and Activity in Biochar-Amended Landfill Cover Soils: Evidence from Large-Scale Column and Field Experiments. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	0.7	38
137	Effects of Variable Site Conditions on Phytoremediation of Mixed Contaminants: Field-Scale Investigation at Big Marsh Site. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	0.7	6
138	Reliability-Based Performance Assessment of Bioreactor Landfills Using Coupled Hydro-Bio-Mechanical Framework. , 2017, , .		0
139	Acid pond sediment and mine tailings contaminated with metals: physicochemical characterization and electrokinetic remediation. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	27
140	Influence of dynamic coupled hydro-bio-mechanical processes on response of municipal solid waste and liner system in bioreactor landfills. <i>Waste Management</i> , 2017, 63, 143-160.	3.7	46
141	Compatibility of Phosphate-Amended Ca-Bentonite Soil Backfill with Groundwater Impacted by Coal Ash Leachate. , 2017, , .		1
142	Permeable Reactive Filter Systems for the Treatment of Urban Stormwater Runoff with Mixed Pollutants. , 2017, , .		5
143	Field Evaluation of Switchgrass ( <i>Panicum virgatur</i> ) to Phytoremediate Mixed Contaminants at a Slag Fill Site. , 2017, , .		1
144	Special Issue on Issues and Challenges in Geoenvironmental Engineering. <i>Indian Geotechnical Journal</i> , 2017, 47, 393-394.	0.7	0

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145	Greenhouse Gas Emissions Under Different Drainage and Flooding Regimes of Cultivated Peatlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3047-3062.	1.3	19
146	Impacts of presence of lead contamination on settling behavior and microstructure of clayey soil - calcium bentonite blends. <i>Applied Clay Science</i> , 2017, 142, 109-119.	2.6	29
147	Phosphate-amended sand/Ca-bentonite mixtures as slurry trench wall backfills: Assessment of workability, compressibility and hydraulic conductivity. <i>Applied Clay Science</i> , 2017, 142, 120-127.	2.6	34
148	Nanobioremediation: Integration of nanoparticles and bioremediation for sustainable remediation of chlorinated organic contaminants in soils. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 419-428.	1.9	159
149	Approaches to Selecting Sustainable Technologies for Remediation of Contaminated Sites: Case Studies. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2017, , 271-306.	0.3	1
150	Geophysical Imaging of Landfill Interiors: Examples from Northern Illinois, USA. <i>Developments in Geotechnical Engineering</i> , 2017, , 1-11.	0.6	2
151	Sorptive Response of Chromium (Cr+6) and Mercury (Hg+2) From Aqueous Solutions Using Chemically Modified Soils. <i>Journal of Testing and Evaluation</i> , 2017, 45, 105-119.	0.4	17
152	Coupled Hydro-Biomechanical Modeling of Bioreactor Landfills: New Modeling Framework and Research Challenges. <i>Developments in Geotechnical Engineering</i> , 2017, , 313-321.	0.6	0
153	Efficacy of Lime Treatment on the Mercury Retention Characteristics of Semi Arid Soils. , 2016, , .		1
154	Influence of Physicochemical Factors on Biodiesel Retention in Clayey Residual Soil. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	12
155	Lime-Amended Semi-arid Soils in Retaining Copper, Lead, and Zinc from Aqueous Solutions. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	17
156	Characterization of Heavy Metals in Mine Tailings and Lake Sediments: Implications on Remediation. , 2016, , .		1
157	Electrokinetic Removal of Heavy Metals from Mine Tailings and Acid Lake Sediments from Can Basin, Turkey. , 2016, , .		7
158	Hydraulic Conductivity of Phosphate-Amended Soil-Bentonite Backfills. , 2016, , .		4
159	Influence of Iron Nanoparticle Concentration on the Hydraulic Conductivity of a Residual Clayey Soil. , 2016, , .		4
160	Ground-Penetrating Radar (GPR) Surveys and Geophysical Well Logs at a Leachate-Recirculation Landfill, Northern Illinois. , 2016, , .		2
161	Evaluation of Prototype Geosynthetic Clay Liners in Landfill Cover Applications. , 2016, , .		1
162	A Soil-Bentonite Slurry Wall for the Containment of CCR-Impacted Groundwater. , 2016, , .		4

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163	Assessing the applicability of phytoremediation of soils with mixed organic and heavy metal contaminants. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 299-326.	3.9	114
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