

Yuncong C Li

List of Publications by Citations

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297
papers

12,069
citations

47
h-index

103
g-index

329
ext. papers

14,249
ext. citations

4.4
avg, IF

6.58
L-index

#	Paper	IF	Citations
297	Adsorption of VOCs onto engineered carbon materials: A review. <i>Journal of Hazardous Materials</i> , 2017 , 338, 102-123	12.8	672
296	Removal of arsenic by magnetic biochar prepared from pinewood and natural hematite. <i>Bioresource Technology</i> , 2015 , 175, 391-5	11	410
295	Characteristics and mechanisms of hexavalent chromium removal by biochar from sugar beet tailing. <i>Journal of Hazardous Materials</i> , 2011 , 190, 909-15	12.8	373
294	The Role of Nutrient Efficient Plants in Improving Crop Yields in the Twenty First Century. <i>Journal of Plant Nutrition</i> , 2008 , 31, 1121-1157	2.3	263
293	Manganese oxide-modified biochars: preparation, characterization, and sorption of arsenate and lead. <i>Bioresource Technology</i> , 2015 , 181, 13-7	11	254
292	Adsorptive removal of arsenate from aqueous solutions by biochar supported zero-valent iron nanocomposite: Batch and continuous flow tests. <i>Journal of Hazardous Materials</i> , 2017 , 322, 172-181	12.8	210
291	Engineered carbon (biochar) prepared by direct pyrolysis of Mg-accumulated tomato tissues: characterization and phosphate removal potential. <i>Bioresource Technology</i> , 2013 , 138, 8-13	11	209
290	Biochar-supported nZVI (nZVI/BC) for contaminant removal from soil and water: A critical review. <i>Journal of Hazardous Materials</i> , 2019 , 373, 820-834	12.8	164
289	Functionalizing biochar with MgAl and MgBe layered double hydroxides for removal of phosphate from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 246-253	6.3	157
288	Mechanistic investigation of mercury sorption by Brazilian pepper biochars of different pyrolytic temperatures based on X-ray photoelectron spectroscopy and flow calorimetry. <i>Environmental Science & Technology</i> , 2013 , 47, 12156-64	10.3	146
287	Physicochemical and sorptive properties of biochars derived from woody and herbaceous biomass. <i>Chemosphere</i> , 2015 , 134, 257-62	8.4	140
286	Enhanced Cr(VI) reduction and As(III) oxidation in ice phase: important role of dissolved organic matter from biochar. <i>Journal of Hazardous Materials</i> , 2014 , 267, 62-70	12.8	139
285	Phosphorus-Sorption Characteristics of Calcareous Soils and Limestone from the Southern Everglades and Adjacent Farmlands. <i>Soil Science Society of America Journal</i> , 2001 , 65, 1404-1412	2.5	126
284	Biochar for volatile organic compound (VOC) removal: Sorption performance and governing mechanisms. <i>Bioresource Technology</i> , 2017 , 245, 606-614	11	123
283	Optimizing the weight loss-on-ignition methodology to quantify organic and carbonate carbon of sediments from diverse sources. <i>Environmental Monitoring and Assessment</i> , 2011 , 174, 241-57	3.1	105
282	Biobased polymer composites derived from corn stover and feather meals as double-coating materials for controlled-release and water-retention urea fertilizers. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8166-74	5.7	103
281	Controlled Release Urea Improved Nitrogen Use Efficiency, Activities of Leaf Enzymes, and Rice Yield. <i>Soil Science Society of America Journal</i> , 2012 , 76, 2307-2317	2.5	101

280	High efficiency and selectivity of MgFe-LDH modified wheat-straw biochar in the removal of nitrate from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 63, 312-317	5.3	95
279	Chemically activated hydrochar as an effective adsorbent for volatile organic compounds (VOCs). <i>Chemosphere</i> , 2019 , 218, 680-686	8.4	93
278	Concentration of cadmium in cacao beans and its relationship with soil cadmium in southern Ecuador. <i>Science of the Total Environment</i> , 2015 , 533, 205-14	10.2	90
277	Effects of graphene on seed germination and seedling growth. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	90
276	Slow-release fertilizer encapsulated by graphene oxide films. <i>Chemical Engineering Journal</i> , 2014 , 255, 107-113	14.7	86
275	Improving the quality of polymer-coated urea with recycled plastic, proper additives, and large tablets. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11229-37	5.7	76
274	Land use disturbance indicators and water quality variability in the Biscayne Bay Watershed, Florida. <i>Ecological Indicators</i> , 2011 , 11, 1093-1104	5.8	76
273	Nondestructive and Rapid Estimation of Leaf Chlorophyll and Nitrogen Status of Peace Lily Using a Chlorophyll Meter. <i>Journal of Plant Nutrition</i> , 2004 , 27, 557-569	2.3	75
272	Clinoptilolite zeolite and cellulose amendments to reduce ammonia volatilization in a calcareous sandy soil. <i>Plant and Soil</i> , 2002 , 247, 253-260	4.2	68
271	Phosphorus adsorption and desorption behavior on sediments of different origins. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1159-1173	3.4	67
270	Effects of water discharge and sediment load on evolution of modern Yellow River Delta, China, over the period from 1976 to 2009. <i>Biogeosciences</i> , 2011 , 8, 2427-2435	4.6	65
269	Dynamic factor analysis of groundwater quality trends in an agricultural area adjacent to Everglades National Park. <i>Journal of Contaminant Hydrology</i> , 2005 , 80, 49-70	3.9	64
268	Bio-based Interpenetrating Network Polymer Composites from Locust Sawdust as Coating Material for Environmentally Friendly Controlled-Release Urea Fertilizers. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 5692-700	5.7	63
267	Enhanced arsenic removal by biochar modified with nickel (Ni) and manganese (Mn) oxyhydroxides. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 37, 361-365	6.3	63
266	Sorption of arsenic onto Ni/Fe layered double hydroxide (LDH)-biochar composites. <i>RSC Advances</i> , 2016 , 6, 17792-17799	3.7	62
265	Magnetic-Sensitive Nanoparticle Self-Assembled Superhydrophobic Biopolymer-Coated Slow-Release Fertilizer: Fabrication, Enhanced Performance, and Mechanism. <i>ACS Nano</i> , 2019 , 13, 3320-3333	16.7	62
264	Phosphorus and Heavy Metal Attachment and Release in Sandy Soil Aggregate Fractions. <i>Soil Science Society of America Journal</i> , 2003 , 67, 1158-1167	2.5	61
263	Source quantification and potential risk of mercury, cadmium, arsenic, lead, and chromium in farmland soils of Yellow River Delta. <i>Journal of Cleaner Production</i> , 2019 , 221, 98-107	10.3	60

262	Biomimetic Superhydrophobic Biobased Polyurethane-Coated Fertilizer with Atmosphere "Outerwear". <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15868-15879	9.5	59
261	Characterization of phosphate-solubilizing bacteria isolated from calcareous soils. <i>Applied Soil Ecology</i> , 2015 , 96, 217-224	5	59
260	Research on saline-alkali soil amelioration with FGD gypsum. <i>Resources, Conservation and Recycling</i> , 2017 , 121, 82-92	11.9	58
259	Sorption of arsenate onto magnetic iron-manganese (Fe-Mn) biochar composites. <i>RSC Advances</i> , 2015 , 5, 67971-67978	3.7	56
258	Bio-based elastic polyurethane for controlled-release urea fertilizer: Fabrication, properties, swelling and nitrogen release characteristics. <i>Journal of Cleaner Production</i> , 2019 , 209, 528-537	10.3	55
257	CHEMICAL ASSOCIATION OF Cu, Zn, Mn, AND Pb IN SELECTED SANDY CITRUS SOILS. <i>Soil Science</i> , 1997 , 162, 181-188	0.9	54
256	Superhydrophobic controlled-release fertilizers coated with bio-based polymers with organosilicon and nano-silica modifications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19943-19953	13	53
255	NITROGEN MINERALIZATION AND TRANSFORMATION FROM COMPOSTS AND BIOSOLIDS DURING FIELD INCUBATION IN A SANDY SOIL 1. <i>Soil Science</i> , 2000 , 165, 161-169	0.9	53
254	Field Comparison of Tensiometer and Granular Matrix Sensor Automatic Drip Irrigation on Tomato. <i>HortTechnology</i> , 2005 , 15, 584-590	1.3	51
253	Cover crops and no-till effects on physical fractions of soil organic matter. <i>Soil and Tillage Research</i> , 2013 , 130, 52-57	6.5	50
252	Geographic distribution of heavy metals and identification of their sources in soils near large, open-pit coal mines using positive matrix factorization. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121666	12.8	50
251	Environmentally Friendly Slow-Release Urea Fertilizers Based on Waste Frying Oil for Sustained Nutrient Release. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6036-6045	8.3	47
250	Response of cotton cultivars to aluminum in solutions with varying silicon concentrations. <i>Journal of Plant Nutrition</i> , 1989 , 12, 881-892	2.3	47
249	Siloxane and polyether dual modification improves hydrophobicity and interpenetrating polymer network of bio-polymer for coated fertilizers with enhanced slow release characteristics. <i>Chemical Engineering Journal</i> , 2018 , 350, 1125-1134	14.7	44
248	Inhibitory effects of quercetin on angiogenesis in larval zebrafish and human umbilical vein endothelial cells. <i>European Journal of Pharmacology</i> , 2014 , 723, 360-7	5.3	43
247	Preparation of highly-conductive pyrogenic carbon-supported zero-valent iron for enhanced Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122712	12.8	42
246	Biochar provides a safe and value-added solution for hyperaccumulating plant disposal: A case study of <i>Phytolacca acinosa</i> Roxb. (Phytolaccaceae). <i>Chemosphere</i> , 2017 , 178, 59-64	8.4	41
245	Biobased Polyurethane, Epoxy Resin, and Polyolefin Wax Composite Coating for Controlled-Release Fertilizer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5380-5392	9.5	41

244	Distribution, accumulation, and potential risks of heavy metals in soil and tea leaves from geologically different plantations. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 195, 110475	7	40
243	Effects of Plant Growth-Promoting Rhizobacteria and N Source on Plant Growth and N and P Uptake by Tomato Grown on Calcareous Soils. <i>Pedosphere</i> , 2017 , 27, 1027-1036	5	40
242	Controlled-release urea reduced nitrogen leaching and improved nitrogen use efficiency and yield of direct-seeded rice. <i>Journal of Environmental Management</i> , 2018 , 220, 191-197	7.9	40
241	Correlation of Visual Quality Grading and SPAD Reading of Green-Leaved Foliage Plants. <i>Journal of Plant Nutrition</i> , 2005 , 28, 1215-1225	2.3	38
240	Identifying irrigation and nitrogen best management practices for aerobic rice/maize cropping system for semi-arid tropics using CERES-rice and maize models. <i>Agricultural Water Management</i> , 2015 , 149, 23-32	5.9	37
239	Cropping Systems to Improve Carbon Sequestration for Mitigation of Climate Change. <i>Journal of Environmental Protection</i> , 2010 , 01, 207-215	0.6	37
238	Sorption of atrazine and ametryn by carbonatic and non-carbonatic soils of varied origin. <i>Environmental Pollution</i> , 2012 , 169, 12-9	9.3	36
237	Root distribution of grapefruit trees under dry granular broadcast vs. fertigation method. <i>Plant and Soil</i> , 1996 , 183, 79-84	4.2	36
236	THE ROLE OF SOIL FERTILITY IN INVASION OF BRAZILIAN PEPPER (SCHINUS TEREBINTHIFOLIUS) IN EVERGLADES NATIONAL PARK, FLORIDA1. <i>Soil Science</i> , 2001 , 166, 400-405	0.9	34
235	Chemical speciation of cadmium: An approach to evaluate plant-available cadmium in Ecuadorian soils under cacao production. <i>Chemosphere</i> , 2016 , 150, 57-62	8.4	33
234	Soil Organic Matter and Physical Attributes Affected by Crop Rotation Under No-till. <i>Soil Science Society of America Journal</i> , 2013 , 77, 1724-1731	2.5	33
233	Nitrogen Release from Slow-Release Fertilizers as Affected by Soil Type and Temperature. <i>Soil Science Society of America Journal</i> , 2010 , 74, 1635-1641	2.5	31
232	Impact of Aerobic Rice Cultivation on Growth, Yield, and Water Productivity of Rice/Maize Rotation in Semiarid Tropics. <i>Agronomy Journal</i> , 2012 , 104, 1757-1765	2.2	29
231	Fractionation of Iron, Manganese, Aluminum, and Phosphorus in Selected Sandy Soils under Citrus Production. <i>Soil Science Society of America Journal</i> , 1997 , 61, 794-801	2.5	29
230	Leaching of Nitrate, Ammonium, and Phosphate From Compost Amended Soil Columns. <i>Compost Science and Utilization</i> , 1997 , 5, 63-67	1.2	29
229	Effects of Temperature and Soil Type on Ammonia Volatilization from Slow-Release Nitrogen Fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 1111-1122	1.5	28
228	Source Contribution Analysis and Collaborative Assessment of Heavy Metals in Vegetable-Growing Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10943-10951	5.7	28
227	Biomass facilitated phase transformation of natural hematite at high temperatures and sorption of Cd and Cu. <i>Environment International</i> , 2019 , 124, 473-481	12.9	27

226	Phosphate minerals and solubility in native and agricultural calcareous soils. <i>Geoderma</i> , 2014 , 232-234, 164-171	6.7	27
225	Water savings, nutrient leaching, and fruit yield in a young avocado orchard as affected by irrigation and nutrient management. <i>Irrigation Science</i> , 2012 , 30, 275-286	3.1	27
224	Management of Flooding Effects on Growth of Vegetable and Selected Field Crops. <i>HortTechnology</i> , 2003 , 13, 610-616	1.3	27
223	Adsorption of acetone and cyclohexane onto CO activated hydrochars. <i>Chemosphere</i> , 2020 , 245, 125664	8.4	27
222	Chitosan and Graphene Oxide Nanocomposites as Coatings for Controlled-Release Fertilizer. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	26
221	Effects of burn temperature on ash nutrient forms and availability from cattail (<i>Typha domingensis</i>) and sawgrass (<i>Cladium jamaicense</i>) in the Florida Everglades. <i>Journal of Environmental Quality</i> , 2009 , 38, 451-64	3.4	26
220	Surface water quality evaluation using multivariate methods and a new water quality index in the Indian River Lagoon, Florida. <i>Water Resources Research</i> , 2007 , 43,	5.4	26
219	Urea formaldehyde modified alginate beads with improved stability and enhanced removal of Pb, Cd, and Cu. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122664	12.8	25
218	Changes of Soil Microbial Biomass Carbon and Nitrogen with Cover Crops and Irrigation in a Tomato Field. <i>Journal of Plant Nutrition</i> , 2007 , 30, 623-639	2.3	25
217	Distribution and fractionation of phosphorus, cadmium, nickel, and lead in calcareous soils amended with composts. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004 , 39, 209-23	2.2	25
216	Sorption-Desorption and Solution Concentration of Phosphorus in a Fertilized Sandy Soil. <i>Journal of Environmental Quality</i> , 1999 , 28, 1804-1810	3.4	25
215	Multielemental Analysis Associated with Chemometric Techniques for Geographical Origin Discrimination of Tea Leaves () in Guizhou Province, SW China. <i>Molecules</i> , 2018 , 23,	4.8	25
214	Decadal and seasonal trends of nutrient concentration and export from highly managed coastal catchments. <i>Water Research</i> , 2017 , 115, 180-194	12.5	24
213	Value-Added Humic Acid Derived from Lignite Using Novel Solid-Phase Activation Process with Pd/CeO ₂ Nanocatalyst: A Physicochemical Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10099-10110	8.3	24
212	Effects of nitrogen fertilization of grapefruit trees on soil acidification and nutrient availability in a Riviera fine sand. <i>Plant and Soil</i> , 1998 , 206, 11-19	4.2	24
211	Calibration of a combined dielectric probe for soil moisture and porewater salinity measurement in organic and mineral coastal wetland soils. <i>Geoderma</i> , 2011 , 161, 50-62	6.7	23
210	Utilization of Compost Increases Organic Carbon And Its Humin, Humic and Fulvic Acid Fractions In Calcareous Soil. <i>Compost Science and Utilization</i> , 2001 , 9, 156-162	1.2	23
209	Chemo-mechanical modification of cottonwood for Pb(2+) removal from aqueous solutions: Sorption mechanisms and potential application as biofilter in drip-irrigation. <i>Chemosphere</i> , 2016 , 161, 1-9	8.4	23

208	Bio-based Large Tablet Controlled-Release Urea: Synthesis, Characterization, and Controlled-Released Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 11265-11272	5.7	23
207	Self-Assembly of Hydrophobic and Self-Healing Bionanocomposite-Coated Controlled-Release Fertilizers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27598-27606	9.5	22
206	Cover Crops and Organic Mulch to Improve Tomato Yields and Soil Fertility. <i>Agronomy Journal</i> , 2009 , 101, 345-351	2.2	22
205	Coal fly ash as an amendment to container substrate for <i>Spathiphyllum</i> production. <i>Bioresource Technology</i> , 2006 , 97, 1920-6	11	22
204	Nitrogen Transformation and Ammonia Volatilization From Biosolids and Compost Applied to Calcareous Soil. <i>Compost Science and Utilization</i> , 2003 , 11, 81-88	1.2	22
203	One-step synthesis of superhydrophobic and multifunctional nano copper-modified bio-polyurethane for controlled-release fertilizers with multilayer air shields—new insight of improvement mechanism. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9503-9509	13	21
202	Linking Spatial Variations in Water Quality with Water and Land Management using Multivariate Techniques. <i>Journal of Environmental Quality</i> , 2014 , 43, 599-610	3.4	21
201	Activated-Lignite-Based Super Large Granular Slow-Release Fertilizers Improve Apple Tree Growth: Synthesis, Characterizations, and Laboratory and Field Evaluations. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5879-5889	5.7	21
200	Design and Field Evaluation of a New Controller for Soil-Water Based Irrigation. <i>Applied Engineering in Agriculture</i> , 2008 , 24, 183-191	0.8	21
199	Trend Analysis of Nutrient Concentrations and Loads in Selected Canals of the Southern Indian River Lagoon, Florida. <i>Water, Air, and Soil Pollution</i> , 2007 , 186, 195-208	2.6	21
198	Wading bird guano enrichment of soil nutrients in tree islands of the Florida Everglades. <i>Science of the Total Environment</i> , 2015 , 532, 40-7	10.2	20
197	Polymer-Coated Tablet Urea Improved Rice Yield and Nitrogen Use Efficiency. <i>Agronomy Journal</i> , 2015 , 107, 1837-1844	2.2	20
196	Soil Aggregation, Organic Carbon Concentration, and Soil Bulk Density As Affected by Cover Crop Species in a No-Tillage System. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015 , 39, 871-879	1.5	20
195	Shrinkage properties of a modified dental resin composites containing a novel spiro-orthocarbonate expanding monomer. <i>Materials Letters</i> , 2011 , 65, 3586-3589	3.3	20
194	Pinewood outperformed bamboo as feedstock to prepare biochar-supported zero-valent iron for Cr reduction. <i>Environmental Research</i> , 2020 , 187, 109695	7.9	19
193	Novel pit and fissure sealant containing nano-CaF and dimethylaminohexadecyl methacrylate with double benefits of fluoride release and antibacterial function. <i>Dental Materials</i> , 2020 , 36, 1241-1253	5.7	19
192	Evaluating irrigation applied and nitrogen leached using different smart irrigation technologies on bahiagrass (<i>Paspalum notatum</i>). <i>Irrigation Science</i> , 2014 , 32, 193-203	3.1	19
191	Characterization of Humic Acids and Fulvic Acids Derived from Sewage Sludge. <i>Asian Journal of Chemistry</i> , 2013 , 25, 10087-10091	0.4	19

190	Estimation of postfire nutrient loss in the Florida everglades. <i>Journal of Environmental Quality</i> , 2009 , 38, 1812-20	3.4	19
189	Accumulation and fractionation of copper, iron, manganese, and zinc in calcareous soils amended with composts. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2001 , 36, 229-43	2.2	19
188	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , 2018 , 34, 1310-1322	5.7	19
187	Differential Soil Acidity Tolerance of Tropical Legume Cover Crops. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 1148-1160	1.5	18
186	Moisture Quotients for Ammonia Volatilization from Four Soils in Potato Production Regions. <i>Water, Air, and Soil Pollution</i> , 2007 , 183, 115-127	2.6	18
185	ALUMINUM AND IRON FRACTIONS AFFECTING PHOSPHORUS SOLUBILITY AND REACTIONS IN SELECTED SANDY SOILS. <i>Soil Science</i> , 2001 , 166, 940-948	0.9	18
184	Cadmium absorption and translocation of amaranth (<i>Amaranthus mangostanus</i> L.) affected by iron deficiency. <i>Environmental Pollution</i> , 2020 , 256, 113410	9.3	18
183	Effects of foliar application of the mixture of copper and chelated iron on the yield, quality, photosynthesis, and microelement concentration of table grape (<i>Vitis vinifera</i> L.). <i>Scientia Horticulturae</i> , 2019 , 254, 106-115	4.1	17
182	Controlled-release urea commingled with rice seeds reduced emission of ammonia and nitrous oxide in rice paddy soil. <i>Journal of Environmental Quality</i> , 2013 , 42, 1661-73	3.4	17
181	Effect of methanol on soybean photosynthesis and chlorophyll. <i>Journal of Plant Nutrition</i> , 1995 , 18, 1875-1880	1.3	17
180	Adsorption/desorption of hydrocarbons on clay minerals. <i>Chemosphere</i> , 1994 , 28, 627-638	8.4	17
179	A Rapid Nondestructive Technique to Predict Leaf Nitrogen Status of Grapefruit Tree with Various Nitrogen Fertilization Practices. <i>HortTechnology</i> , 1998 , 8, 81-86	1.3	17
178	Long-term effects of controlled-release potassium chloride on soil available potassium, nutrient absorption and yield of maize plants. <i>Soil and Tillage Research</i> , 2020 , 196, 104438	6.5	17
177	Multifunctional Slow-Release Fertilizer Prepared from Lignite Activated by a 3D-Molybdate-Sulfur Hierarchical Hollow Nanosphere Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10533-10543	8.3	16
176	Polymerization shrinkage, stress, and degree of conversion in silorane- and dimethacrylate-based dental composites. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 1882-1888	2.9	16
175	Release potential of phosphorus in Florida sandy soils in relation to phosphorus fractions and adsorption capacity. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002 , 37, 793-809	2.3	16
174	Sulphur dioxide and carbon dioxide induced changes in soybean physiology. <i>Plant Science</i> , 1992 , 83, 31-34	3.3	16
173	Polyethyleneimine-modified biochar for enhanced phosphate adsorption. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7420-7429	5.1	16

172	Effects of Dryout and Inflow Water Quality on Mercury Methylation in a Constructed Wetland. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	15
171	Restoration of Disturbed Lands: The Hole-in-the-Donut Restoration in the Everglades. <i>Critical Reviews in Environmental Science and Technology</i> , 2011 , 41, 723-739	11.1	15
170	High Water Regime Can Reduce Ammonia Volatilization from Soils under Potato Production. <i>Communications in Soil Science and Plant Analysis</i> , 2007 , 38, 1203-1220	1.5	15
169	Characterization of humic acids derived from Leonardite using a solid-state NMR spectroscopy and effects of humic acids on growth and nutrient uptake of snap bean. <i>Chemical Speciation and Bioavailability</i> , 2015 , 27, 156-161		14
168	Terrestrial contributions to the aquatic food web in the middle Yangtze River. <i>PLoS ONE</i> , 2014 , 9, e102433	3.7	14
167	Seasonality of selected surface water constituents in the Indian River Lagoon, Florida. <i>Journal of Environmental Quality</i> , 2007 , 36, 416-25	3.4	14
166	Determination of Cation Exchange Capacity on Low to Highly Calcareous Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2005 , 36, 1479-1498	1.5	14
165	Mechanism of silicon induced alleviation of aluminum phytotoxicity. <i>Journal of Plant Nutrition</i> , 1996 , 19, 1075-1087	2.3	14
164	Soil carbon as affected by cover crops under no-till under tropical climate. <i>Soil Use and Management</i> , 2016 , 32, 495-503	3.1	14
163	Developing water and nitrogen budgets of a wheat-maize rotation system using auto-weighing lysimeters: Effects of blended application of controlled-release and un-coated urea. <i>Environmental Pollution</i> , 2020 , 263, 114383	9.3	13
162	Evaluation of Three Aluminum Assay Techniques for Excluding Aluminum Complexed with Fluoride or Sulfate. <i>Soil Science Society of America Journal</i> , 1989 , 53, 38-44	2.5	13
161	Influence of Cover Crops and Irrigation Rates on Tomato Yields and Quality in a Subtropical Region. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005 , 40, 2125-2131	2.4	13
160	Increased Oxygen Bioavailability Improved Vigor and Germination of Aged Vegetable Seeds. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012 , 47, 1714-1721	2.4	13
159	Influence of nano-hydroxyapatite containing desensitizing toothpastes on the sealing ability of dentinal tubules and bonding performance of self-etch adhesives. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 91, 38-44	4.1	13
158	Foamed urea-formaldehyde microspheres for removal of heavy metals from aqueous solutions. <i>Chemosphere</i> , 2020 , 241, 125004	8.4	13
157	Organic silicone-modified transgenic soybean oil as bio-based coating material for controlled-release urea fertilizers. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	12
156	Long-term effects of untreated wastewater on soil bacterial communities. <i>Science of the Total Environment</i> , 2019 , 646, 940-950	10.2	12
155	Genotypic Differences in Potassium Nutrition in Lowland Rice Hybrids. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 1803-1821	1.5	12

154	Temperature Quotients of Ammonia Emission of Different Nitrogen Sources Applied to Four Agricultural Soils. <i>Soil Science Society of America Journal</i> , 2007 , 71, 1482-1489	2.5	12
153	Soilless Growing Media Amended With Sugarcane Filtercake Compost for Citrus Rootstock Production. <i>Compost Science and Utilization</i> , 1996 , 4, 21-25	1.2	12
152	Adsorption of hydrocarbons by clay minerals from gasoline. <i>Journal of Hazardous Materials</i> , 1994 , 38, 105-112	12.8	12
151	Effect of Wheat-Solanum nigrum L. intercropping on Cd accumulation by plants and soil bacterial community under Cd contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111383	7	12
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1	Optimal Organic Fertilizer Rates for Greenhouse Production of Container Fresh Herbs. <i>Communications in Soil Science and Plant Analysis</i> , 2019 , 50, 228-235	1.5	