Tony Vancov

List of Publications by Year in descending order

46 papers	1,623 citations	361413 20 h-index	289244 40 g-index
47 all docs	47 docs citations	47 times ranked	2276 citing authors

#	Article	IF	Citations
1	Enhanced enzyme saccharification of Sorghum bicolor straw using dilute alkali pretreatment. Bioresource Technology, 2010, 101, 6718-6727.	9.6	224
2	Optimisation of dilute alkaline pretreatment for enzymatic saccharification of wheat straw. Biomass and Bioenergy, 2011, 35, 3094-3103.	5.7	187
3	Use of ionic liquids in converting lignocellulosic material to biofuels. Renewable Energy, 2012, 45, 1-6.	8.9	154
4	Impact of Herbicides on Soil Biology and Function. Advances in Agronomy, 2016, , 133-220.	5.2	98
5	Amplification of soil fungal community DNA using the ITS86F and ITS4 primers. FEMS Microbiology Letters, 2009, 296, 91-96.	1.8	76
6	Biological Importance of Cotton By-Products Relative to Chemical Constituents of the Cotton Plant. Molecules, 2017, 22, 93.	3.8	56
7	Ethanol production from Eucalyptus plantation thinnings. Bioresource Technology, 2012, 110, 264-272.	9.6	55
8	Pilotâ€scale cellulosic ethanol production using eucalyptus biomass preâ€treated by dilute acid and steam explosion. Biofuels, Bioproducts and Biorefining, 2016, 10, 346-358.	3.7	54
9	Microbial degradation of the organophosphate pesticide, Ethion. FEMS Microbiology Letters, 2004, 240, 49-53.	1.8	53
10	Mild acid pretreatment and enzyme saccharification of Sorghum bicolor straw. Applied Energy, 2012, 92, 421-428.	10.1	51
11	Novel Applications for Oxalate-Phosphate-Amine Metal-Organic-Frameworks (OPA-MOFs): Can an Iron-Based OPA-MOF Be Used as Slow-Release Fertilizer?. PLoS ONE, 2015, 10, e0144169.	2.5	48
12	Ethanol production from cotton gin trash using optimised dilute acid pretreatment and whole slurry fermentation processes. Bioresource Technology, 2014, 173, 42-51.	9.6	46
13	Alkali Pretreatment of Cereal Crop Residues for Second-Generation Biofuels. Energy & Fuels, 2011, 25, 2754-2763.	5.1	45
14	Are Sewage Treatment Plants Promoting Antibiotic Resistance?. Critical Reviews in Environmental Science and Technology, 2011, 41, 243-270.	12.8	45
15	Impacts of management on soil biota in Vertosols supporting the broadacre grains industry in northern Australia. Soil Research, 2006, 44, 433.	1.1	39
16	Potential use of feedlot cattle manure for bioethanol production. Bioresource Technology, 2015, 183, 120-128.	9.6	35
17	Bioethanol potential of Eucalyptus obliqua sawdust using gamma-valerolactone fractionation. Bioresource Technology, 2018, 250, 673-682.	9.6	33
18	Process options for conversion of Agave tequilana leaves into bioethanol. Industrial Crops and Products, 2016, 84, 263-272.	5.2	21

#	Article	IF	Citations
19	Effect of soil degradation on the carbon concentration and retention of nitrogen and phosphorus across Chinese rice paddy fields. Catena, 2022, 209, 105810.	5.0	21
20	Nutrient and Trace-Metal Removal by Bauxsol Pellets in Wastewater Treatment. Environmental Science & Technology, 2011, 45, 5746-5753.	10.0	20
21	Assessing dilute acid pretreatment of different lignocellulosic biomasses for enhanced sugar production. Cellulose, 2016, 23, 3771-3783.	4.9	20
22	Atrazine degradation by encapsulated Rhodococcus erythropolis NI86/21. Journal of Applied Microbiology, 2005, 99, 767-775.	3.1	19
23	Effects of dilute acid pretreatment on enzyme saccharification of wheat stubble. Journal of Chemical Technology and Biotechnology, 2011, 86, 818-825.	3.2	18
24	Enhancing cell survival of atrazine degrading Rhodococcus erythropolis NI86/21 cells encapsulated in alginate beads. Journal of Applied Microbiology, 2007, 102, 212-220.	3.1	17
25	Simultaneous Saccharification and Fermentation of Pretreated Eucalyptus grandis Under High Solids Loading. Industrial Biotechnology, 2017, 13, 131-140.	0.8	17
26	Rapid isolation and high-throughput determination of cellulase and laminarinase activity in soils. Journal of Microbiological Methods, 2009, 79, 174-177.	1.6	16
27	Minimising Alkalinity and pH Spikes from Portland Cement-Bound Bauxsol (Seawater-Neutralized Red) Tj ETQq1 1 0.784314 rgBT /Ov 2119-2125.	10.0	15
28	Diversity of microbial communities in an attached-growth system using Bauxsolâ„¢ pellets for wastewater treatment. Science of the Total Environment, 2012, 433, 383-389.	8.0	15
29	Cloning vectors forStreptococcus thermophilusderived from a native plasmid. FEMS Microbiology Letters, 2002, 216, 43-47.	1.8	14
30	Nutrient removal and microbial communities' development in a young unplanted constructed wetland using Bauxsolâ„¢ pellets to treat wastewater. Science of the Total Environment, 2014, 484, 167-175.	8.0	13
31	Soil warming and nitrogen addition facilitates lignin and microbial residues accrual in temperate agroecosystems. Soil Biology and Biochemistry, 2022, 170, 108693.	8.8	13
32	Selectable in-vivo recombination to increase antibody library size â€" an improved phage display vector system. Gene, 1999, 227, 49-54.	2.2	12
33	The relationship between concentration of a dual marker strain of Salmonella Typhimurium in bovine faeces and its probability of detection by immunomagnetic separation and culture. Journal of Applied Microbiology, 2004, 97, 1054-1062.	3.1	10
34	A two stage pretreatment process to maximise recovery of sugars from cotton gin trash. Bioresource Technology Reports, 2018, 4, 114-122.	2.7	10
35	Isolation and Characterization of Endomycorrhizal Fungi Associated with Growth Promotion of Blueberry Plants. Journal of Fungi (Basel, Switzerland), 2021, 7, 584.	3.5	9
36	Unraveling microbiomes and functions associated with strategic tillage, stubble, and fertilizer management. Agriculture, Ecosystems and Environment, 2022, 323, 107686.	5.3	8

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37	In Vitro Anti-Inflammatory Activity of Essential Oil and Î²-Bisabolol Derived from Cotton Gin Trash. Molecules, 2022, 27, 526.	3.8	7
38	Pilot scale demonstration of a two-stage pretreatment and bioethanol fermentation process for cotton gin trash. Bioresource Technology, 2021, 335, 125224.	9.6	6
39	Improved Cellulosic Ethanol Titres from Highly Lignified Cotton Trash Residues Using Various Batch and Fed-Batch Process Configurations. Bioenergy Research, 2019, 12, 1021-1032.	3.9	5
40	Two-Stage Pretreatment Process Validation for Production of Ethanol from Cotton Gin Trash. Bioenergy Research, 2019, 12, 593-604.	3.9	5
41	Refining spent cotton gin trash following essential oil extraction for value added cellulosic sugars. Bioresource Technology Reports, 2019, 7, 100223.	2.7	5
42	Soil carbon, nutrients and their stoichiometry decrement in relation to paddy field degradation: Investigation in a subtropical region. Catena, 2022, 217, 106484.	5.0	4
43	Chemical volatiles present in cotton gin trash: A by-product of cotton processing. PLoS ONE, 2019, 14, e0222146.	2.5	2
44	Isolation and characterization of Zymomonas mobilis DNA fragments acting as promoter transcriptional elements in Escherichia coli.. Journal of General and Applied Microbiology, 1994, 40, 541-549.	0.7	1
45	Interactive effects of sea-level rise and nitrogen enrichment on the decay of different plant residues in an oligohaline estuarine marsh. Estuarine, Coastal and Shelf Science, 2022, 270, 107835.	2.1	1
46	Characterization of a gene encoding a major .BETA.-endoglucanase from Xanthomonas albilineans.. Journal of General and Applied Microbiology, 1994, 40, 421-434.	0.7	0