

Vedaraman N

List of Publications by Year in descending order

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25
papers

1,564
citations

430874

18
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1543
citing authors

#	ARTICLE	IF	CITATIONS
1	Mahua oil (Madhuca Indica seed oil) methyl ester as biodiesel-preparation and emission characteristics. Biomass and Bioenergy, 2005, 28, 87-93.	5.7	337
2	Performance and emission study of Mahua oil (madhuca indica oil) ethyl ester in a 4-stroke natural aspirated direct injection diesel engine. Renewable Energy, 2005, 30, 1269-1278.	8.9	254
3	Effect of biodiesel unsaturated fatty acid on combustion characteristics of a DI compression ignition engine. Biomass and Bioenergy, 2010, 34, 1079-1088.	5.7	149
4	Biodiesel production process optimization from Pithecellobium dulce seed oil: Performance, combustion, and emission analysis on compression ignition engine fuelled with diesel/biodiesel blends. Energy Conversion and Management, 2018, 161, 141-154.	9.2	109
5	Preparation of Palm Oil Biodiesel and Effect of Various Additives on NO _x Emission Reduction in B20: An Experimental Study. International Journal of Green Energy, 2011, 8, 383-397.	3.8	107
6	Extraction and recovery of azo dyes into an ionic liquid. Talanta, 2006, 69, 1059-1062.	5.5	103
7	Ozonation of tannery effluent for removal of cod and color. Journal of Hazardous Materials, 2009, 166, 150-154.	12.4	90
8	Mahua Oil (Madhuca Indica Oil) Derivatives as a Renewable Fuel for Diesel Engine Systems in India: A Performance and Emissions Comparative Study. International Journal of Green Energy, 2007, 4, 89-104.	3.8	74
9	Production of surfactin by bacillus subtilis mtcc 2423 from waste frying oils. Brazilian Journal of Chemical Engineering, 2011, 28, 175-180.	1.3	51
10	An experimental comparison of transesterification process with different alcohols using acid catalysts. Biomass and Bioenergy, 2010, 34, 999-1005.	5.7	39
11	Methyl ester of Sal oil (Shorea robusta) as a substitute to diesel fuel—A study on its preparation, performance and emissions in direct injection diesel engine. Industrial Crops and Products, 2012, 36, 282-288.	5.2	36
12	Ultrasonic extraction of natural dye from Rubia Cordifolia, optimisation using response surface methodology (RSM) & comparison with artificial neural network (ANN) model and its dyeing properties on different substrates. Chemical Engineering and Processing: Process Intensification, 2017, 114, 46-54.	3.6	31
13	Experimental and modeling studies on extraction of cholesterol from cow brain using supercritical carbon dioxide. Journal of Supercritical Fluids, 2005, 34, 27-34.	3.2	28
14	Response surface methodology for decolourisation of leather dye using ozonation in a packed bed reactor. Clean Technologies and Environmental Policy, 2013, 15, 607-616.	4.1	23
15	Aqueous ionic liquid solutions as alternatives for sulphide-free leather processing. Green Chemistry, 2015, 17, 1001-1007.	9.0	23
16	Extraction of fleshing oil from waste limed fleshings and biodiesel production. Waste Management, 2016, 48, 638-643.	7.4	20
17	Extraction of cholesterol from cattle brain using supercritical carbon dioxide. Journal of Supercritical Fluids, 2004, 32, 231-242.	3.2	19
18	Solubility of N-CBZ derivatised amino acids in supercritical carbon dioxide. Journal of Supercritical Fluids, 2004, 30, 119-125.	3.2	19

#	ARTICLE	IF	CITATIONS
19	De-oiled neem cake as potential bio-additive for low-salt raw skin preservation: a process for salinity reduction in tanneries. International Journal of Environmental Science and Technology, 2016, 13, 1563-1572.	3.5	18
20	Eco-friendly curing of hides/ skins using phyto based Citrus limon leaves paste. Journal of Cleaner Production, 2020, 247, 119117.	9.3	15
21	Kinetics of Cholesterol Extraction Using Supercritical Carbon Dioxide with Cosolvents. Industrial & Engineering Chemistry Research, 2008, 47, 6727-6733.	3.7	8
22	Electrochemical treatment of tannery effluent using a battery integrated DC-DC converter and solar PV power supply – An approach towards environment and energy management. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1149-1162.	1.7	8
23	An Eco-Benign Approach for Unhairing Goat Skin Using Ozone. Ozone: Science and Engineering, 2006, 28, 341-346.	2.5	2
24	Fixation of carbon dioxide and optimization of liming process waste produced in tanneries using response surface methodology. Journal of Cleaner Production, 2019, 209, 855-861.	9.3	1
25	Liquid biofuels from tree borne seed oils for automotive diesel engines. International Journal of Automotive Technology and Management, 2012, 12, 223.	0.6	0