Anoop Singh

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50 papers	5,271 citations	24 h-index	53 g-index
53 ext. papers	5,737 ext. citations	6.5 avg, IF	6.13 L-index

#	Paper	IF	Citations
50	Production of liquid biofuels from renewable resources. *Progress in Energy and Combustion Science*, **2011**, 37, 52-68	33.6	1417
49	Renewable fuels from algae: an answer to debatable land based fuels. *Bioresource Technology*, **2011**, 102, 10-6	11	493
48	Ethanol as an alternative fuel from agricultural, industrial and urban residues. *Resources, Conservation and Recycling*, **2007**, 50, 1-39	11.9	426
47	Bioelectrochemical systems (BES) for sustainable energy production and product recovery from organic wastes and industrial wastewaters. *RSC Advances*, **2012**, 2, 1248-1263	3.7	397
46	A critical review of biochemical conversion, sustainability and life cycle assessment of algal biofuels. *Applied Energy*, **2011**, 88, 3548-3555	10.7	352
45	Mechanism and challenges in commercialisation of algal biofuels. *Bioresource Technology*, **2011**, 102, 26-34	11	345
44	Key issues in life cycle assessment of ethanol production from lignocellulosic biomass: Challenges and perspectives. *Bioresource Technology*, **2010**, 101, 5003-12	11	319
43	An introduction to the life cycle assessment (LCA) of bioelectrochemical systems (BES) for sustainable energy and product generation: Relevance and key aspects. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 1305-1313	16.2	176
42	Ethanol Production from Sweet Sorghum Syrup for Utilization as Automotive Fuel in India. *Energy & Fuels*, **2007**, 21, 2415-2420	4.1	158
41	Food and agricultural wastes as substrates for bioelectrochemical system (BES): The synchronized recovery of sustainable energy and waste treatment. *Food Research International*, **2015**, 73, 213-225	7	107
40	Key issues in estimating energy and greenhouse gas savings of biofuels: challenges and perspectives. *Biofuel Research Journal*, **2016**, 3, 380-393	13.9	102
39	Energy and emissions forecast of China over a long-time horizon. *Energy*, **2011**, 36, 1-11	7.9	101
38	A biofuel strategy for Ireland with an emphasis on production of biomethane and minimization of land-take. *Renewable and Sustainable Energy Reviews*, **2010**, 14, 277-288	16.2	96
37	Is grass biomethane a sustainable transport biofuel?. *Biofuels, Bioproducts and Biorefining*, **2010**, 4, 310-325	3.3	95
36	Biohydrogen Production from Lignocellulosic Biomass: Technology and Sustainability. *Energies*, **2015**, 8, 13062-13080	3.1	84
35	Emerging role of Geographical Information System (GIS), Life Cycle Assessment (LCA) and spatial LCA (GIS-LCA) in sustainable bioenergy planning. *Bioresource Technology*, **2017**, 242, 218-226	11	80
34	A viable technology to generate third-generation biofuel. *Journal of Chemical Technology and Biotechnology*, **2011**, 86, 1349-1353	3.5	80

33	Sustainable utilization of crop residues for energy generation: A life cycle assessment (LCA) perspective. *Bioresource Technology*, **2020**, 303, 122964	11	72
32	Role of ethylene diurea (EDU) in assessing impact of ozone on Vigna radiata L. plants in a suburban area of Allahabad (India). *Chemosphere*, **2005**, 61, 218-28	8.4	52
31	Role of Leaching and Hydrolysis in a Two-Phase Grass Digestion System. *Energy & Fuels*, **2010**, 24, 4549-4559	4.1	47
30	Enhancement of bio-ethanol production potential of wheat straw by reducing furfural and 5-hydroxymethylfurfural (HMF). *Bioresource Technology Reports*, **2018**, 4, 50-56	4.1	36
29	The effect of reactor design on the sustainability of grass biomethane. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 1567-1574	16.2	30
28	Design, Commissioning, and Start-Up of a Sequentially Fed Leach Bed Reactor Complete with an Upflow Anaerobic Sludge Blanket Digesting Grass Silage. *Energy & Fuels*, **2011**, 25, 823-834	4.1	24
27	Amelioration of Indian urban air pollution phytotoxicity in Beta vulgaris L. by modifying NPK nutrients. *Environmental Pollution*, **2005**, 134, 385-95	9.3	24
26	Effect of carbon and nitrogen source amendment on synthetic dyes decolourizing efficiency of white-rot fungus, Phanerochaete chrysosporium. *Journal of Environmental Biology*, **2008**, 29, 79-84	1.6	24
25	Sustainability of biohydrogen as fuel: Present scenario and future perspective. *AIMS Energy*, **2019**, 7, 1-19	1.8	18
24	Silver Nanoparticles Biosynthesis, Characterization, Antimicrobial Activities, Applications, Cytotoxicity and Safety Issues: An Updated Review. *Nanomaterials*, **2021**, 11,	5.4	17
23	Biohydrogen Production from Microalgae **2013**, 317-333		12
22	Renewable Energy for a Low-Carbon Future: Policy Perspectives **2021**, 267-284		11
21	Impact of fly-ash-amended soil on growth and yield of crop plants. *International Journal of Environment and Waste Management*, **2012**, 10, 150	0.9	9
20	Growth responses of wheat (Triticum aestivum L. var. HD 2329) exposed to ambient air pollution under varying fertility regimes. *Scientific World Journal, The*, **2003**, 3, 799-810	2.2	7
19	Development and life cycle assessment of an auto circulating bio-electrochemical reactor for energy positive continuous wastewater treatment. *Bioresource Technology*, **2020**, 304, 122959	11	7
18	Key Issues in Life Cycle Assessment of Biofuels. *Green Energy and Technology*, **2012**, 213-228	0.6	7
17	Importance of Life Cycle Assessment of Renewable Energy Sources. *Green Energy and Technology*, **2013**, 1-11	0.6	7
16	Genotype-Specific Antioxidant Responses and Assessment of Resistance Against Causing Sclerotinia Rot in Indian Mustard. *Pathogens*, **2020**, 9,	4.5	6

15	Impact of Climate Change on Sustainable Biofuel Production. *Biofuel and Biorefinery Technologies*, **2020**, 79-97	1	5
14	Grass Biomethane for Agriculture and Energy. *Sustainable Agriculture Reviews*, **2011**, 5-49	1.3	5
13	A Comparison of Life Cycle Assessment Studies of Different Biofuels. *Green Energy and Technology*, **2013**, 269-289	0.6	4
12	Assessment of the pulp and paper mill effluent on growth, yield and nutrient quality of wheat (Triticum aestivum L.). *Journal of Environmental Biology*, **2002**, 23, 283-8	1.6	4
11	Microbial biofuels production **2014**, 155-168		3
10	Biohydrogen: Next Generation Fuel **2017**, 1-10		3
9	Comparison of Algal Biodiesel Production Pathways Using Life Cycle Assessment Tool. *Green Energy and Technology*, **2013**, 145-168	0.6	3
8	Genetic Analysis for Resistance to Sclerotinia Stem Rot, Yield and Its Component Traits in Indian Mustard [(L.) Czern & Coss.].. *Plants*, **2022**, 11,	4.5	2
7	Biohydrogen: Global Trend and Future Perspective **2017**, 291-315		1
6	Influence of prevailing disturbances on soil biology and biochemistry of montane habitats at Nanda Devi Biosphere Reserve (NDBR), India during wet and dry seasons. *Geoderma*, **2011**, 162, 296-302	6.7	1
5	Removal of pollutants from pulp and paper mill effluent by anaerobic and aerobic treatment in pilot-scale bioreactor. *International Journal of Environment and Waste Management*, **2011**, 7, 423	0.9	1
4	Impact assessment of pre- and post-sown irrigation with Post Methanation distillery Effluent on soil health and crop yield. *International Journal of Environmental Engineering*, **2010**, 2, 401	0.2	0
3	Perspectives of Environmental Microbiology and Biotechnology **2020**, 1-16		
2	Agricultural Waste Valorization: An Energy Production Perspective. *Environmental and Microbial Biotechnology*, **2021**, 249-260	1.4	
1	Monitoring of airborne heavy metal using plants: Perspective and challenges **2022**, 27-44		