

Krishnamurthi Kannan

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.

18
papers

546
citations

11
h-index

18
g-index

18
ext. papers

626
ext. citations

6.6
avg, IF

3.35
L-index

#	Paper	IF	Citations
18	Enhanced algal CO ₂ sequestration through calcite deposition by <i>Chlorella</i> sp. and <i>Spirulina platensis</i> in a mini-raceway pond. <i>Bioresource Technology</i> , 2010 , 101, 2616-22	11	171
17	Bio-sequestration of carbon dioxide using carbonic anhydrase enzyme purified from <i>Citrobacter freundii</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 981-987	4.4	98
16	Immobilization of carbonic anhydrase in alginate and its influence on transformation of CO ₂ to calcite. <i>Process Biochemistry</i> , 2012 , 47, 585-590	4.8	53
15	The health burden and economic costs averted by ambient PM pollution reductions in Nagpur, India. <i>Environment International</i> , 2017 , 102, 145-156	12.9	33
14	Carbonic anhydrase mediated carbon dioxide sequestration: promises, challenges and future prospects. <i>Journal of Basic Microbiology</i> , 2014 , 54, 472-81	2.7	32
13	Chemical characterization of simulated landfill soil leachates from Nigeria and India and their cytotoxicity and DNA damage inductions on three human cell lines. <i>Chemosphere</i> , 2016 , 164, 469-479	8.4	32
12	The burden of disease attributable to ambient PM _{2.5} -bound PAHs exposure in Nagpur, India. <i>Chemosphere</i> , 2018 , 204, 277-289	8.4	29
11	The gains in life expectancy by ambient PM pollution reductions in localities in Nigeria. <i>Environmental Pollution</i> , 2018 , 236, 146-157	9.3	28
10	Influence of seasonal variation on water quality in tropical water distribution system: is the disease burden significant?. <i>Water Research</i> , 2014 , 49, 186-96	12.5	15
9	Influence of mercury from fly ash on cattle reared nearby thermal power plant. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 7365-72	3.1	13
8	Assessment of Microplastics in Roadside Suspended Dust from Urban and Rural Environment of Nagpur, India. <i>International Journal of Environmental Research</i> , 2020 , 14, 629-640	2.9	13
7	Chemotaxis-based endosulfan biotransformation: enrichment and isolation of endosulfan-degrading bacteria. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 60-7	2.6	9
6	Cytochrome P450 BM3 of <i>Bacillus megaterium</i> - a possible endosulfan biotransforming gene. <i>Journal of Environmental Sciences</i> , 2014 , 26, 2307-14	6.4	8
5	Burn to kill: Wood ash a silent killer in Africa. <i>Science of the Total Environment</i> , 2020 , 748, 141316	10.2	7
4	Activity enhancement of carbonic anhydrase in <i>Chlamydomonas</i> sp. for effective CO ₂ sequestration. <i>Clean Technologies and Environmental Policy</i> , 2014 , 16, 1827-1833	4.3	5
3	Landfill soil leachates from Nigeria and India induced DNA damage and alterations in genes associated with apoptosis in Jurkat cell. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
2	Can the Indian national ambient air quality standard protect against the hazardous constituents of PM _{2.5} ?. <i>Chemosphere</i> , 2022 , 303, 135047	8.4	0

- 1 Increased average annual prevalence of upper respiratory tract infection (UTRI) in the central Indian population residing near the coal-fired thermal power plants. *SN Applied Sciences*, **2021**, 3, 1 1.8