

# Dibyajyoti Haldar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7717366/publications.pdf>

Version: 2024-02-01

36  
papers

1,210  
citations

471371

17  
h-index

642610

23  
g-index

36  
all docs

36  
docs citations

36  
times ranked

840  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the environment-friendly emerging techniques for pretreatment of lignocellulosic biomass: Mechanistic insight and advancements. <i>Chemosphere</i> , 2021, 264, 128523.	4.2	174
2	MOFs for the treatment of arsenic, fluoride and iron contaminated drinking water: A review. <i>Chemosphere</i> , 2020, 251, 126388.	4.2	116
3	Micro and nanocrystalline cellulose derivatives of lignocellulosic biomass: A review on synthesis, applications and advancements. <i>Carbohydrate Polymers</i> , 2020, 250, 116937.	5.1	109
4	Lignocellulosic conversion into value-added products: A review. <i>Process Biochemistry</i> , 2020, 89, 110-133.	1.8	91
5	A review on global perspectives of sustainable development in bioenergy generation. <i>Bioresource Technology</i> , 2022, 348, 126791.	4.8	91
6	Potential and sustainable utilization of tea waste: A review on present status and future trends. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106179.	3.3	73
7	Technological advancement in the synthesis and applications of lignin-based nanoparticles derived from agro-industrial waste residues: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1828-1843.	3.6	71
8	A critical review on the techniques used for the synthesis and applications of crystalline cellulose derived from agricultural wastes and forest residues. <i>Carbohydrate Polymers</i> , 2021, 273, 118537.	5.1	64
9	Consolidated bioprocessing of lignocellulosic biomass: Technological advances and challenges. <i>Bioresource Technology</i> , 2022, 354, 127153.	4.8	58
10	A review on the production of fermentable sugars from lignocellulosic biomass through conventional and enzymatic route—a comparison. <i>International Journal of Green Energy</i> , 2016, 13, 1232-1253.	2.1	54
11	Progress in the electrochemical reduction of CO <sub>2</sub> to formic acid: A review on current trends and future prospects. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106394.	3.3	53
12	Developments in bioprocess for bacterial cellulose production. <i>Bioresource Technology</i> , 2022, 344, 126343.	4.8	42
13	Development of Spectrophotometric Method for the Analysis of Multi-component Carbohydrate Mixture of Different Moieties. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 1416-1434.	1.4	35
14	Understanding the management of household food waste and its engineering for sustainable valorization- A state-of-the-art review. <i>Bioresource Technology</i> , 2022, 358, 127390.	4.8	26
15	Enumeration of monosugars's™ inhibition characteristics on the kinetics of enzymatic hydrolysis of cellulose. <i>Process Biochemistry</i> , 2018, 72, 130-136.	1.8	24
16	Thermochemical pretreatment enhanced bioconversion of elephant grass ( <i>Pennisetum purpureum</i> ): insight on the production of sugars and lignin. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1125-1138.	2.9	22
17	A Critical Review on the Effect of Lignin Redeposition on Biomass in Controlling the Process of Enzymatic Hydrolysis. <i>Bioenergy Research</i> , 2022, 15, 863-874.	2.2	21
18	Environmental remediation by tea waste and its derivative products: A review on present status and technological advancements. <i>Chemosphere</i> , 2022, 300, 134480.	4.2	20

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19	Enzymatic hydrolysis of banana stems ( <i>Musa acuminata</i> ): Optimization of process parameters and inhibition characterization. <i>International Journal of Green Energy</i> , 2018, 15, 406-413.	2.1	18
20	Assessment of water quality of Damodar River in South Bengal region of India by Canadian Council of Ministers of Environment (CCME) Water Quality Index: a case study. <i>Desalination and Water Treatment</i> , 2016, 57, 3489-3502.	1.0	17
21	Sugarcane bagasse into value-added products: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 62785-62806.	2.7	17
22	A sustainable approach to enhance fruit shelf-life: Edible coating from pineapple fruit waste biomass. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50388.	1.3	5
23	Hierarchical model screening on enzymatic hydrolysis of microcrystalline cellulose. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 8503-8512.	2.9	3
24	Formation and detoxification of inhibitors. , 2021, , 61-78.		2
25	Value-added products derived from lignocellulosic biomass. , 2021, , 125-140.		2
26	Analytical methods for the quantification of sugars and characterization of biomass. , 2021, , 111-124.		1
27	Progress in the synthesis and applications of polymeric nanomaterials derived from waste lignocellulosic biomass. , 2022, , 419-433.		1
28	Enzymatic hydrolysis of lignocellulosic biomass: Mechanistic insight and advancement. , 2021, , 79-94.		0
29	Conventional pretreatment methods of lignocellulosic biomass. , 2021, , 31-46.		0
30	Compositional aspects of lignocellulosic biomass. , 2021, , 17-30.		0
31	Introduction to lignocellulosic biomass and its potential. , 2021, , 1-15.		0
32	Strategies to improve enzymatic production of sugars. , 2021, , 95-109.		0
33	Bioenergy from biomass. , 2021, , 153-166.		0
34	Cover Image, Volume 138, Issue 15. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50497.	1.3	0
35	Emerging and advanced techniques in the pretreatment of lignocellulosic biomass. , 2021, , 47-60.		0
36	Potential of MOF-based novel adsorbents for the removal of aquatic pollutants. , 2022, , 29-47.		0