

# Shafiqur Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,318  
citations

448610

19  
h-index

425179

34  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2132  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of process parameters influence in solid-state anaerobic digestion: Focus on performance stability thresholds. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112756.	8.2	21
2	Kinetic studies of alkaline-pretreated corn stover co-digested with upset dairy manure under solid-state. <i>Renewable Energy</i> , 2021, 163, 2198-2207.	4.3	6
3	Efficacy of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles for enhancing solid-state anaerobic co-digestion: Focus on reactor performance and retention time. <i>Bioresource Technology</i> , 2021, 324, 124670.	4.8	21
4	Effects of adolescent substance use disorders on central cholinergic function. <i>International Review of Neurobiology</i> , 2021, 160, 175-221.	0.9	4
5	&lt;i>&lt;i>Wastewater treatment and electricity generation from Sugarbeet Processing Wastewater (SBWW) using Microbial Fuel Cell (MFC)&lt;/i>. , 2020, , .		1
6	Comparison of the Reactor Performance of Alkaline-Pretreated Corn Stover Co-digested with Dairy Manure Under Solid-State. <i>Waste and Biomass Valorization</i> , 2020, 11, 5211-5222.	1.8	6
7	Impact of corn stover particle size and C/N ratio on reactor performance in solid-state anaerobic co-digestion with dairy manure. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 436-454.	0.9	26
8	Aerial Nitrogen Fluxes and Soil Nitrate in response to Fall-Applied Manure and Fertilizer Applications in Eastern South Dakota. <i>International Journal of Agronomy</i> , 2019, 2019, 1-15.	0.5	1
9	Beef Manure and Urea Applied to Corn Show Variable Effects on Nitrous Oxide, Methane, Carbon Dioxide, and Ammonia. <i>Agronomy Journal</i> , 2019, 111, 1448.	0.9	9
10	Nicotinic Cholinergic Mechanisms in Alcohol Abuse and Dependence. , 2019, , 427-433.		0
11	Alcohol and Central Glutamate Activity: What Goes Up Must Come Down?. , 2019, , 453-461.		1
12	Understanding gaseous reduction in swine manure resulting from nanoparticle treatments under anaerobic storage conditions. <i>Journal of Environmental Sciences</i> , 2019, 82, 179-191.	3.2	6
13	Cropland Amendment with Beef Cattle Manure Minimally Affects Antimicrobial Resistance. <i>Journal of Environmental Quality</i> , 2019, 48, 1683-1693.	1.0	10
14	Effects of glial glutamate transporter activator in formalin-induced pain behaviour in mice. <i>European Journal of Pain</i> , 2019, 23, 765-783.	1.4	11
15	Nanoparticles in mitigating gaseous emissions from liquid dairy manure stored under anaerobic condition. <i>Journal of Environmental Sciences</i> , 2019, 76, 26-36.	3.2	19
16	Use of an Anti-Infective Medication Review Process at Hospital Discharge to Identify Medication Errors and Optimize Therapy. <i>Journal of Pharmacy Practice</i> , 2019, 32, 488-492.	0.5	3
17	Temperature response of ammonia and greenhouse gas emission from manure amended silty clay soil. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 663-677.	0.3	5
18	Evaluation of microbial fuel cell (MFC) for bioelectricity generation and pollutants removal from sugar beet processing wastewater (SBPW). <i>Water Science and Technology</i> , 2018, 77, 387-397.	1.2	15

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19	Release of Ammonia and Greenhouse Gases along Moisture Gradient from Manure and Urea Applied Fargo Silty Clay Soil. Applied Engineering in Agriculture, 2018, 34, 939-952.	0.3	2
20	In vitro evaluation of nano zinc oxide (nZnO) on mitigation of gaseous emissions. Journal of Animal Science and Technology, 2018, 60, 27.	0.8	6
21	Characterizing Corn and Cattle Manure Derived Biochars Relevant to Their Use as Soil Additives. Transactions of the ASABE, 2018, 61, 1335-1349.	1.1	1
22	Tuning electrical properties of PZT film deposited by Pulsed Laser Deposition. Ceramics International, 2017, 43, 6008-6012.	2.3	12
23	Simulation of a solar-biogas hybrid energy system for heating, fuel supply, and power generation. International Journal of Energy Research, 2017, 41, 1914-1931.	2.2	11
24	Use of laboratory incubation techniques to estimate greenhouse gas footprints from conventional and no-tillage organic agroecosystems. Soil Biology and Biochemistry, 2017, 112, 204-215.	4.2	11
25	Growth and characterization of $\text{In}^{2+}$ -Ga <sub>2</sub> O <sub>3</sub> thin films by molecular beam epitaxy for deep-UV photodetectors. Journal of Applied Physics, 2017, 122, .	1.1	124
26	Characterization of zinc oxide nanoparticle (nZnO) alginate beads in reducing gaseous emission from swine manure. Environmental Technology (United Kingdom), 2017, 38, 1061-1074.	1.2	6
27	Dry Scrubbing of Hydrogen Sulfide Gas Using Nano Zinc Oxide Coated Glass Beads. Applied Engineering in Agriculture, 2017, 33, 407-418.	0.3	2
28	Efficacy of Different Nanoparticles in Mitigating Gaseous Emissions from Liquid Dairy Manure Stored Under Anaerobic Condition. , 2017, , .		0
29	Recent Advances in Nicotinic Receptor Signaling in Alcohol Abuse and Alcoholism. Progress in Molecular Biology and Translational Science, 2016, 137, 183-201.	0.9	20
30	Phytochemicals and Biogenic Metallic Nanoparticles as Anticancer Agents. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-15.	1.9	115
31	Ethanol-Associated Changes in Glutamate Reward Neurocircuitry: A Minireview of Clinical and Preclinical Genetic Findings. Progress in Molecular Biology and Translational Science, 2016, 137, 41-85.	0.9	57
32	The effect of feeding high fat diet to beef cattle on manure composition and gaseous emission from a feedlot pen surface. Journal of Animal Science and Technology, 2016, 58, 22.	0.8	7
33	A Genetic Animal Model of Alcoholism for Screening Medications to Treat Addiction. International Review of Neurobiology, 2016, 126, 179-261.	0.9	38
34	Drugs of abuse and blood-brain barrier endothelial dysfunction: A focus on the role of oxidative stress. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 539-554.	2.4	108
35	Effect of feeding graded doses of citrinin on apoptosis and oxidative stress in male Wistar rats through the F1 generation. Toxicology and Industrial Health, 2016, 32, 385-397.	0.6	14
36	Electrical and Optical Properties of LiNbO <sub>3</sub> /CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Heterostructures on Si. Materials Research Society Symposia Proceedings, 2015, 1805, 1.	0.1	0

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37	Nicotinic receptor modulation to treat alcohol and drug dependence. <i>Frontiers in Neuroscience</i> , 2015, 8, 426.	1.4	49
38	Effects of Intermittent Artificial Circulation in Summer Months on Chlorophyll Concentration in a Small Eutrophic Impoundment. <i>American Journal of Environmental Sciences</i> , 2015, 11, 380-391.	0.3	0
39	Remediation of Feedlot Nutrients Runoff by Electrocoagulation Process. <i>American Journal of Environmental Sciences</i> , 2015, 11, 366-379.	0.3	1
40	E-nose identification of <i>Salmonella enterica</i> in poultry manure. <i>British Poultry Science</i> , 2015, 56, 149-156.	0.8	6
41	Functional materials integrated on III-V semiconductors. <i>Microelectronic Engineering</i> , 2015, 147, 117-121.	1.1	11
42	Runoff Potentiality of a Watershed through SCS and Functional Data Analysis Technique. <i>Scientific World Journal</i> , The, 2014, 2014, 1-15.	0.8	20
43	Application of Flue Gas Desulfurization Gypsum and Its Impact on Wheat Grain and Soil Chemistry. <i>Journal of Environmental Quality</i> , 2014, 43, 303-311.	1.0	31
44	ELECTROLYSIS OF SWINE MANURE EFFLUENTS USING THREE DIFFERENT ELECTRODES Fe-Fe, Al-Al AND Fe-Al. <i>American Journal of Agricultural and Biological Science</i> , 2014, 9, 490-502.	0.9	11
45	Influence of soil pH in vegetative filter strips for reducing soluble nutrient transport. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1744-1752.	1.2	8
46	Anti-Hyperglycemic, Anti-Hyperlipidemic and Antioxidant Potential of Alcoholic-Extract of <i>Sida cordifolia</i> (Areal Part) in Streptozotocin-Induced-Diabetes in Wistar-Rats. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2014, 84, 397-405.	0.4	11
47	Water Absorption Capacity of Flax and Pine Horse Beddings and Gaseous Concentrations in Bedded Stalls. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 611-618.	0.4	10
48	Nicotinic receptor partial agonists modulate alcohol deprivation effect in C57BL/6J mice. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 110, 161-167.	1.3	15
49	Effects of pen bedding and feeding high crude protein diets on manure composition and greenhouse gas emissions from a feedlot pen surface. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 1457-1468.	0.9	9
50	Greenhouse gas emissions from beef cattle pen surfaces in North Dakota. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1239-1246.	1.2	23
51	Nicotinic Receptors as Therapeutic Targets for Drug Addictive Disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 633-640.	0.8	23
52	Cholinergic Receptor System as a Target for Treating Alcohol Abuse and Dependence. <i>Recent Patents on CNS Drug Discovery</i> , 2012, 7, 145-150.	0.9	24
53	Prospect of anaerobic co-digestion of dairy manure: a review. <i>Environmental Technology Reviews</i> , 2012, 1, 127-135.	2.1	50
54	Odor, Ammonia, and Hydrogen Sulfide Concentration and Emissions from Two Farrowing-Gestation Swine Operations in North Dakota. <i>Applied Engineering in Agriculture</i> , 2012, 28, 107-115.	0.3	7

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55	Neuronal nicotinic receptor ligands modulate chronic nicotine-induced ethanol consumption in C57BL/6J mice. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 102, 36-43.	1.3	32
56	Greenhouse Gas (GHG) Emissions from Mechanically Ventilated Deep Pit Swine Gestation Operation. <i>Journal of Civil &amp; Environmental Engineering</i> , 2012, 02, .	0.1	2
57	Suitability of sunflower-hulls-based turkey litter for on-farm turkey carcass composting. <i>Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada</i> , 2012, 54, 6.1-6.8.	0.3	2
58	Lobeline and cytisine reduce voluntary ethanol drinking behavior in male C57BL/6J mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 257-264.	2.5	45
59	Nicotinic Ligands Modulate Ethanol-Induced Dopamine Function in Mice. <i>Pharmacology</i> , 2010, 86, 168-173.	0.9	25
60	Nicotinic receptor ligands reduce ethanol intake by high alcohol-drinking HAD-2 rats. <i>Alcohol</i> , 2009, 43, 581-592.	0.8	52
61	Editorial [Hot Topic: Drug Addiction and Brain Targets: From Preclinical Research to Pharmacotherapy (Guest Editor: Shafiqur Rahman)]. <i>CNS and Neurological Disorders - Drug Targets</i> , 2008, 7, 391-392.	0.8	4
62	Pharmacological Evaluation of Bangladeshi Medicinal Plants for Antioxidant Activity. <i>Pharmaceutical Biology</i> , 2008, 46, 704-709.	1.3	15
63	Efficacy of Microbial Treatment to Reduce Phosphorus and Other Substances from Dairy Lagoon Effluent. <i>Applied Engineering in Agriculture</i> , 2008, 24, 809-819.	0.3	5
64	Soil Movement resulting from Sweep Type Liquid Manure Injection Tools. <i>Biosystems Engineering</i> , 2005, 91, 379-392.	1.9	20
65	Slurry Distribution in Soil as influenced by Slurry Application Micro-rate and Injection Tool Type. <i>Biosystems Engineering</i> , 2004, 89, 495-504.	1.9	7
66	Involvement of GABA and cholinergic receptors in the nucleus accumbens on feedback control of somatodendritic dopamine release in the ventral tegmental area. <i>Journal of Neurochemistry</i> , 2002, 80, 646-654.	2.1	68
67	Laboratory investigation of cutting forces and soil disturbance resulting from different manure incorporation tools in a loamy sand soil. <i>Soil and Tillage Research</i> , 2001, 58, 19-29.	2.6	31
68	A Case of Bacteremia Due to Resistant <i>Streptococcus pneumoniae</i> . <i>Clinical Infectious Diseases</i> , 1992, 14, 1140-1141.	2.9	1