Naoyuki Funamizu

List of Publications by Year
in descending order

58	718	567281 15	642732 23
papers	citations	h-index	g-index

59	59	59	662
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature effect on aerobic biodegradation of feces using sawdust as a matrix. Water Research, 2004, 38, 2406-2416.	11.3	50
2	Modeling of aerobic biodegradation of feces using sawdust as a matrix. Water Research, 2004, 38, 1327-1339.	11.3	47
3	Nitrous oxide emission mechanisms during intermittently aerated composting of cattle manure. Bioresource Technology, 2013, 141, 205-211.	9.6	41
4	Effect of Moisture Content on the Composting Process In a Biotoilet System. Compost Science and Utilization, 2005, 13, 208-216.	1.2	38
5	Greywater treatment by slanted soil system. Ecological Engineering, 2013, 50, 62-68.	3.6	37
6	Antibiotic effect of amoxicillin on the feces composting process and reactivation of bacteria by intermittent feeding of feces. Bioresource Technology, 2007, 98, 3555-3560.	9.6	30
7	Biodegradability of fecal nitrogen in composting process. Bioresource Technology, 2007, 98, 3412-3414.	9.6	26
8	Evolution of ammonification potential in storage process of urine with fecal contamination. Bioresource Technology, 2008, 99, 13-17.	9.6	26
9	CHARACTERIZATION OF FECES FOR DESCRIBING THE AEROBIC BIODEGRADATION OF FECES. Doboku Gakkai Ronbunshu, 2002, 2002, 99-105.	0.2	23
10	Occurrence of Hand-Foot-and-Mouth Disease Pathogens in Domestic Sewage and Secondary Effluent in Xiâ€™an, China. Microbes and Environments, 2012, 27, 288-292.	1.6	21
11	Factors affecting the degradation of amoxicillin in composting toilet. Chemosphere, 2007, 66, 2219-2224.	8.2	19
12	Treatment of domestic greywater by geotextile filter and intermittent sand filtration bioreactor. Journal of Water Reuse and Desalination, 2015, 5, 39-49.	2.3	19
13	Relationship between respiratory quotient, nitrification, and nitrous oxide emissions in a forced aerated composting process. Waste Management, 2015, 42, 10-16.	7.4	18
14	Assessment of endotoxin activity in wastewater treatment plants. Journal of Environmental Monitoring, 2009, 11, 1421.	2.1	17
15	Bactericidal and virucidal mechanisms in the alkaline disinfection of compost using calcium lime and ash. Journal of Environmental Management, 2016, 181, 721-727.	7.8	17
16	Estimation of Water Flux and Solute Movement during the Concentration Process of Hydrolysed Urine by Forward Osmosis. Journal of Water and Environment Technology, 2017, 15, 163-173.	0.7	17
17	Rational design of an onâ€site volume reduction system for sourceâ€separated urine. Environmental Technology (United Kingdom), 2010, 31, 399-408.	2.2	16
18	The Postmodern Sanitation: agro-sanitation business model as a new policy. Water Policy, 2015, 17, 283.	1.5	16

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19	Transformation and characterisation of dissolved organic matter during the thermophilic aerobic biodegradation of faeces. Water Research, 2005, 39, 4693-4704.	11.3	15
20	Salt removal from soil during rainy season of semi-arid climate following an assumed salt accumulation from previous cultivations fertilized with urine. Euro-Mediterranean Journal for Environmental Integration, 2016, 1, 1.	1.3	15
21	Synthesis and Characterization of Magnetic Nanoparticles as a Candidate Draw Solution for Forward Osmosis. Journal of Water and Environment Technology, 2018, 16, 63-71.	0.7	15
22	Sustainable design of sanitation system based on material and value flow analysis for urban slum in Indonesia. Frontiers of Environmental Science and Engineering, 2013, 7, 120-126.	6.0	12
23	Production of slow-released nitrogen fertilizer from urine. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	12
24	Suitability of biochar as a matrix for improving the performance of composting toilets. Waste Management and Research, 2015, 33, 313-321.	3.9	12
25	Heat shock protein 47 stress responses in Chinese hamster ovary cells exposed to raw and reclaimed wastewater. Journal of Environmental Monitoring, 2012, 14, 492-498.	2.1	11
26	Cytotoxic effect of linear alkylbenzene sulfonate on human intestinal Caco-2 cells: associated biomarkers for risk assessment. Environmental Science and Pollution Research, 2014, 21, 10840-10851.	5.3	11
27	Survey on LPS endotoxin in rejected water from sludge treatment facility. Journal of Environmental Monitoring, 2009, 11, 1935.	2.1	10
28	Effect of post-treatment conditions on the inactivation of helminth eggs (Ascaris suum) after the composting process. Environmental Technology (United Kingdom), 2016, 37, 920-928.	2.2	10
29	Simulation of accumulated matter from human feces in the sawdust matrix of the composting toilet. Bioresource Technology, 2009, 100, 1310-1314.	9.6	9
30	Estimation of Contamination Sources of Human Enteroviruses in a Wastewater Treatment and Reclamation System by PCRâ€“DGGE. Food and Environmental Virology, 2014, 6, 99-109.	3.4	9
31	Inactivation Kinetics of Indicator Microorganisms during Solar Heat Treatment for Sanitizing Compost from Composting Toilet. Journal of Water and Environment Technology, 2016, 14, 37-46.	0.7	9
32	Effect of linear alkylbenzene sulfonate (LAS) on human intestinal Caco-2 cells at non cytotoxic concentrations. Cytotechnology, 2016, 68, 1267-1275.	1.6	9
33	Characterization of endotoxic indicative organic matter (2-keto-3deoxyoctulosonic acid) in raw and biologically treated domestic wastewater. Water Research, 2011, 45, 155-162.	11.3	8
34	Public Participation in Water Management of Krivaja River, Serbia: Understanding the Problem through Grounded Theory Methodology. Water Resources Management, 2018, 32, 5081-5092.	3.9	8
35	Assessing the removal potential of soil-aquifer treatment system (soil column) for endotoxin. Journal of Environmental Monitoring, 2011, 13, 1716.	2.1	7
36	Effect of Post-treatment Conditions on the Inactivation Rate of Pathogenic Bacteria after the Composting Process. Compost Science and Utilization, 2015, 23, 164-173.	1.2	7

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37	Inactivation kinetics of indicator microorganisms during urea treatment for sanitizing finished compost from composting toilet. Journal of Water Sanitation and Hygiene for Development, 2016, 6, 269-275.	1.8	7
38	Identification of the inactivating factors and mechanisms exerted on MS2 coliphage in concentrated synthetic urine. Science of the Total Environment, 2017, 598, 213-219.	8.0	5
39	Fecal Source Tracking in A Wastewater Treatment and Reclamation System Using Multiple Waterborne Gastroenteritis Viruses. Pathogens, 2019, 8, 170.	2.8	5
40	Application of heat shock protein assay and proteome assay to water from wastewater treatment plant. Water Science and Technology, 2008, 57, 1183-1189.	2.5	4
41	Performance evaluation of an onâ€site volume reduction system with synthetic urine using a water transport model. Environmental Technology (United Kingdom), 2011, 32, 953-970.	2.2	4
42	Inactivation kinetics modeling of Escherichia coli in concentrated urine for implementing predictive environmental microbiology in sanitation safety planning. Journal of Environmental Management, 2020, 268, 110672.	7.8	4
43	Grey water treatment by the slanted soil system with unsorted soil media. Environmental Technology (United Kingdom), 2015, 36, 2603-2609.	2.2	3
44	Phosphate Recovery from Synthetic Urine with Shell of <i>Mizuhopecten yessoensis</i>. Journal of Water and Environment Technology, 2016, 14, 437-446.	0.7	3
45	Short term effects of treated greywater by high rate algal ponds process on vegetable yield and soil properties under Sudanoâ€Sahelian climate conditions. Environmental Progress and Sustainable Energy, 2018, 37, 465-470.	2.3	3
46	Inert Soluble Organic Matter in Return Flow from Sludge Treatment Process and Its Control by Coagulation. Environmental Engineering Science, 2005, 22, 689-698.	1.6	2
47	Effect of Organic Loading Rate for On-Site Treatment of Wastewater Using SubMBR. Environmental Engineering Science, 2009, 26, 15-24.	1.6	2
48	The perception of the public participation approach applied to water management in Jordan. Water Policy, 2013, 15, 1078-1093.	1.5	2
49	Effect of Formaldehyde/Urea Ratio on Production Rate of Methylene Urea from Human Urine. Journal of Water and Environment Technology, 2016, 14, 47-56.	0.7	2
50	Reaction kinetics for the production of methylene urea from synthetic human urine. Journal of Environmental Chemical Engineering, 2016, 4, 2510-2517.	6.7	1
51	Treatment of Greywater by Geotextile Filter and Intermittent Sand Filtration. , 2019, , 195-210.		1
52	Recovery of Nitrogen and Phosphorus from Urine. , 2019, , 155-165.		1
53	The Concept of Resources Oriented Agro-Sanitation System and Its Business Model. , 2019, , 3-22.		1
54	Composting Toilet for Sustainable Water Management. , 2016, , 903-954.		0

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55	PHOSPHOROUS RECOVERY FROM URINE BASED WASTEWATER OF COWSHED. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, III_227-III_233.	0.1	0
56	Technologies for Resources Oriented Agro-Sanitation Systemâ€"Overview. , 2019, , 23-35.		0
57	Volume Reduction of Urine. , 2019, , 139-153.		0
58	Fate of Water in Composting Toilet. , 2019, , 97-105.		0