

Lee-Hyung Kim

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

577
citations

567144

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38
all docs

38
docs citations

38
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus release rates from sediments and pollutant characteristics in Han River, Seoul, Korea. <i>Science of the Total Environment</i> , 2004, 321, 115-125.	3.9	67
2	Evaluation of the capability of low-impact development practices for the removal of heavy metal from urban stormwater runoff. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2265-2272.	1.2	44
3	Event mean concentration and loading of litter from highways during storms. <i>Science of the Total Environment</i> , 2004, 330, 101-113.	3.9	42
4	Fractionation of heavy metals in runoff and discharge of a stormwater management system and its implications for treatment. <i>Journal of Environmental Sciences</i> , 2014, 26, 1214-1222.	3.2	42
5	Long-Term Monitoring of Infiltration Trench for Nonpoint Source Pollution Control. <i>Water, Air, and Soil Pollution</i> , 2010, 212, 13-26.	1.1	31
6	A Laboratory Study on the Filtration and Clogging of the Sand-Bottom Ash Mixture for Stormwater Infiltration Filter Media. <i>Water (Switzerland)</i> , 2017, 9, 32.	1.2	29
7	Assessment of porous pavement effectiveness on runoff reduction under climate change scenarios. <i>Desalination and Water Treatment</i> , 2015, 53, 3142-3147.	1.0	28
8	Carbon sequestration potential via energy harvesting from agricultural biomass residues in Mekong River basin, Southeast Asia. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 1051-1062.	8.2	28
9	Impacts of nonpoint source pollutants on microbial community in rain gardens. <i>Chemosphere</i> , 2018, 209, 20-27.	4.2	21
10	Fate and removal of nutrients in bioretention systems. <i>Desalination and Water Treatment</i> , 2015, 53, 3072-3079.	1.0	20
11	Treatment of particulates and metals from highway stormwater runoff using zeolite filtration. <i>Desalination and Water Treatment</i> , 2010, 19, 97-104.	1.0	18
12	First Flush Stormwater Runoff in Urban Catchments: A Bibliometric and Comprehensive Review. <i>Hydrology</i> , 2022, 9, 63.	1.3	18
13	Solar photocatalytic degradation of groundwater contaminated with petroleum hydrocarbons. <i>Environmental Progress</i> , 2006, 25, 99-109.	0.8	17
14	Nitrogen mass balance in a constructed wetland treating piggery wastewater effluent. <i>Journal of Environmental Sciences</i> , 2014, 26, 1260-1266.	3.2	17
15	Investigation on the effectiveness of pretreatment in stormwater management technologies. <i>Journal of Environmental Sciences</i> , 2014, 26, 1824-1830.	3.2	16
16	Evaluation of a hybrid constructed wetland system for treating urban stormwater runoff. <i>Desalination and Water Treatment</i> , 2015, 53, 3104-3110.	1.0	13
17	Treatment of parking lot runoff by a tree box filter. <i>Desalination and Water Treatment</i> , 2013, 51, 4044-4049.	1.0	12
18	Optimization of the design of an urban runoff treatment system using stormwater management model (SWMM). <i>Desalination and Water Treatment</i> , 2015, 53, 3134-3141.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Application of indices to evaluate LID facilities for sediment and heavy metal removal. <i>Chemosphere</i> , 2018, 206, 693-700.	4.2	11
20	Laboratory study on the clogging potential of a hybrid best management practice. <i>Desalination and Water Treatment</i> , 2015, 53, 3126-3133.	1.0	10
21	Stormwater Runoff Treatment Using Rain Garden: Performance Monitoring and Development of Deep Learning-Based Water Quality Prediction Models. <i>Water (Switzerland)</i> , 2021, 13, 3488.	1.2	10
22	Determination of the number of storm events representing the pollutant mean concentration in urban runoff. <i>Desalination and Water Treatment</i> , 2013, 51, 4002-4009.	1.0	8
23	Seasonal treatment efficiency of surface flow constructed wetland receiving high nitrogen content wastewater. <i>Desalination and Water Treatment</i> , 2012, 48, 9-16.	1.0	7
24	Diffuse pollutant unit loads of various transportation landuses. <i>Desalination and Water Treatment</i> , 2012, 38, 222-229.	1.0	6
25	Development of a stormwater treatment system using bottom ash as filter media. <i>Desalination and Water Treatment</i> , 2015, 53, 3118-3125.	1.0	6
26	Flow and mass balance analysis of eco-bio infiltration system. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 612-619.	3.3	5
27	Application of a gravel wetland system for treatment of parking lot runoff. <i>Desalination and Water Treatment</i> , 2013, 51, 4129-4137.	1.0	5
28	Drought assessment based on real-time drought index. <i>Desalination and Water Treatment</i> , 2015, 53, 3111-3117.	1.0	5
29	Understanding the factors influencing the removal of heavy metals in urban stormwater runoff. <i>Water Science and Technology</i> , 2016, 73, 2921-2928.	1.2	5
30	Selection of cost-effective Green Stormwater Infrastructure (GSI) applicable in highly impervious urban catchments. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 24-30.	0.9	5
31	Investigation of stormwater runoff strength in an agricultural area, Korea. <i>Desalination and Water Treatment</i> , 2012, 38, 360-365.	1.0	4
32	Performance comparison of two hybrid stormwater treatment systems having different filter media configuration. <i>Desalination and Water Treatment</i> , 2013, 51, 4081-4087.	1.0	4
33	Physico-chemical characteristics of sediment accumulated in settling basin of a filtration best management practice. <i>Desalination and Water Treatment</i> , 2010, 19, 86-91.	1.0	3
34	Particle removal properties of stormwater runoff with a lab-scale vortex separator. <i>Desalination and Water Treatment</i> , 2012, 38, 301-305.	1.0	3
35	Stormwater runoff monitoring in a deciduous and coniferous forest. <i>Desalination and Water Treatment</i> , 2012, 38, 316-322.	1.0	2
36	Seasonal biomass changes at a newly constructed wetland in agricultural area. <i>Desalination and Water Treatment</i> , 2012, 38, 337-343.	1.0	2

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37	Analysis on flood frequency and water quality variations induced by abnormal climate. Desalination and Water Treatment, 2015, 53, 2339-2353.	1.0	1
38	Characterization and distribution of different phosphorus types in the agricultural areas of Daecheong Lake Watershed, South Korea. Environmental Geochemistry and Health, 2021, 43, 4805-4817.	1.8	0