

Amit Gross

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,798
citations

147801
31
h-index

182427
51
g-index

66
all docs

66
docs citations

66
times ranked

3112
citing authors

#	ARTICLE	IF	CITATIONS
1	Rethinking wastewater risks and monitoring in light of the COVID-19 pandemic. <i>Nature Sustainability</i> , 2020, 3, 981-990.	23.7	195
2	Greywater reuse for irrigation: Effect on soil properties. <i>Science of the Total Environment</i> , 2010, 408, 2501-2508.	8.0	156
3	Role of Plants in a Constructed Wetland: Current and New Perspectives. <i>Water (Switzerland)</i> , 2013, 5, 405-419.	2.7	156
4	Potential changes in soil properties following irrigation with surfactant-rich greywater. <i>Ecological Engineering</i> , 2006, 26, 348-354.	3.6	137
5	Transport of Testosterone and Estrogen from Dairy-Farm Waste Lagoons to Groundwater. <i>Environmental Science & Technology</i> , 2008, 42, 5521-5526.	10.0	132
6	Nitrogen transformations and balance in channel catfish ponds. <i>Aquacultural Engineering</i> , 2000, 24, 1-14.	3.1	131
7	Safe on-Site Reuse of Greywater for Irrigation - A Critical Review of Current Guidelines. <i>Environmental Science & Technology</i> , 2010, 44, 3213-3220.	10.0	116
8	Anaerobic digestion of sludge from intensive recirculating aquaculture systems: Review. <i>Aquaculture</i> , 2010, 306, 1-6.	3.5	91
9	A recirculating vertical flow constructed wetland for the treatment of domestic wastewater. <i>Desalination</i> , 2009, 246, 617-624.	8.2	90
10	Energy conversion and gas emissions from production and combustion of poultry-litter-derived hydrochar and biochar. <i>Applied Energy</i> , 2018, 213, 510-519.	10.1	89
11	The use of <i>Bassia indica</i> for salt phytoremediation in constructed wetlands. <i>Water Research</i> , 2012, 46, 3967-3976.	11.3	84
12	Parameters affecting greywater quality and its safety for reuse. <i>Science of the Total Environment</i> , 2014, 487, 20-25.	8.0	81
13	Accumulation of oil and grease in soils irrigated with greywater and their potential role in soil water repellency. <i>Science of the Total Environment</i> , 2008, 394, 68-74.	8.0	76
14	Phasesâ€™ characteristics of poultry litter hydrothermal carbonization under a range of process parameters. <i>Bioresource Technology</i> , 2016, 219, 632-642.	9.6	71
15	Nitrogen and carbon balance in a novel near-zero water exchange saline recirculating aquaculture system. <i>Aquaculture</i> , 2017, 467, 118-126.	3.5	59
16	Quality of brackish aquaculture sludge and its suitability for anaerobic digestion and methane production in an upflow anaerobic sludge blanket (UASB) reactor. <i>Aquaculture</i> , 2008, 279, 35-41.	3.5	57
17	Production of salmonid amoebic gill disease by exposure to <i>Paramoeba</i> sp. harvested from the gills of infected fish. <i>Journal of Fish Diseases</i> , 2001, 24, 79-82.	1.9	55
18	Nutrients and Energy Balance Analysis for a Conceptual Model of a Three Loops off Grid, Aquaponics. <i>Water (Switzerland)</i> , 2016, 8, 589.	2.7	52

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19	Using hydrothermal carbonization for sustainable treatment and reuse of human excreta. <i>Journal of Cleaner Production</i> , 2018, 205, 955-963.	9.3	50
20	Quantification and risks associated with bacterial aerosols near domestic greywater-treatment systems. <i>Science of the Total Environment</i> , 2016, 562, 344-352.	8.0	44
21	Nutrient Behavior in Hydrothermal Carbonization Aqueous Phase Following Recirculation and Reuse. <i>Environmental Science & Technology</i> , 2019, 53, 10426-10434.	10.0	43
22	Potential microbial hazards from graywater reuse and associated matrices: A review. <i>Water Research</i> , 2016, 106, 183-195.	11.3	41
23	Use of UASB reactors for brackish aquaculture sludge digestion under different conditions. <i>Water Research</i> , 2013, 47, 2843-2850.	11.3	39
24	Capacity of an on-site recirculating vertical flow constructed wetland to withstand disturbances and highly variable influent quality. <i>Ecological Engineering</i> , 2011, 37, 1572-1577.	3.6	38
25	Effect of water quality on species richness and activity of desert-dwelling bats. <i>Mammalian Biology</i> , 2015, 80, 185-190.	1.5	37
26	Laboratory Study of Sedimentation for Improving Quality of Pond Effluents. <i>Journal of Applied Aquaculture</i> , 1998, 8, 39-48.	1.4	36
27	Phosphorous recovery from a novel recirculating aquaculture system followed by its sustainable reuse as a fertilizer. <i>Science of the Total Environment</i> , 2020, 722, 137949.	8.0	36
28	Greywater: Limitations and perspective. <i>Current Opinion in Environmental Science and Health</i> , 2018, 2, 1-6.	4.1	33
29	Reliability of small scale greywater treatment systems and the impact of its effluent on soil properties. <i>International Journal of Environmental Studies</i> , 2008, 65, 41-50.	1.6	32
30	Reliability of on-site greywater treatment systems in Mediterranean and arid environments – a case study. <i>Water Science and Technology</i> , 2013, 67, 1389-1395.	2.5	32
31	Soil nitrifying enrichments as biofilter starters in intensive recirculating saline water aquaculture. <i>Aquaculture</i> , 2003, 223, 51-62.	3.5	31
32	A novel approach to denitrification processes in a zero-discharge recirculating system for small-scale urban aquaculture. <i>Aquacultural Engineering</i> , 2008, 39, 72-77.	3.1	31
33	The question of pathogen quantification in disinfected graywater. <i>Science of the Total Environment</i> , 2015, 506-507, 496-504.	8.0	31
34	Epidemiological study for the assessment of health risks associated with graywater reuse for irrigation in arid regions. <i>Science of the Total Environment</i> , 2015, 538, 230-239.	8.0	30
35	Quantitative Microbial Risk Analysis for Various Bacterial Exposure Scenarios Involving Greywater Reuse for Irrigation. <i>Water (Switzerland)</i> , 2018, 10, 413.	2.7	27
36	A Novel Method for Combined Biowaste Stabilization and Production of Nitrate-Rich Liquid Fertilizer for Use in Organic Horticulture. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1205-1214.	2.4	24

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37	Assessment of extraction methods with fowl manure for the production of liquid organic fertilizers. <i>Bioresource Technology</i> , 2008, 99, 327-334.	9.6	23
38	Temporal and spatial distribution of paramoebae in the water column - a pilot study. <i>Journal of Fish Diseases</i> , 2003, 26, 231-240.	1.9	21
39	Small scale recirculating vertical flow constructed wetland (RVFCW) for the treatment and reuse of wastewater. <i>Water Science and Technology</i> , 2008, 58, 487-494.	2.5	21
40	Characterization of a microbial consortium that converts mariculture fish waste to biomethane. <i>Aquaculture</i> , 2016, 453, 154-162.	3.5	21
41	The effect of reservoir operational features on recycled wastewater quality. <i>Resources, Conservation and Recycling</i> , 2012, 68, 76-87.	10.8	20
42	Optimization of nitrogen use efficiency by means of fertigation management in an integrated aquaculture-agriculture system. <i>Journal of Cleaner Production</i> , 2019, 212, 401-408.	9.3	20
43	Decreasing levels of the fish pathogen <i>Streptococcus iniae</i> following inoculation into the sludge digester of a zero-discharge recirculating aquaculture system (RAS). <i>Aquaculture</i> , 2016, 450, 335-341.	3.5	17
44	A flexible control system designed for lab-scale simulations and optimization of composting processes. <i>Waste Management</i> , 2018, 72, 150-160.	7.4	17
45	Potential Health and Environmental Risks Associated with Onsite Greywater Reuse: A Review. <i>Built Environment</i> , 2016, 42, 212-229.	0.8	16
46	Seasonal and soil-type dependent emissions of nitrous oxide from irrigated desert soils amended with digested poultry manures. <i>Science of the Total Environment</i> , 2017, 593-594, 91-98.	8.0	13
47	Nitrous oxide emissions from near-zero water exchange brackish recirculating aquaculture systems. <i>Science of the Total Environment</i> , 2018, 628-629, 603-610.	8.0	12
48	Simple digestion procedure followed by the azomethine-H method for accurate boron analysis and discrimination between its fractions in wastewater and soils. <i>Chemosphere</i> , 2008, 72, 400-406.	8.2	11
49	Establishment of a constructed wetland in extreme dryland. <i>Environmental Science and Pollution Research</i> , 2009, 16, 862-875.	5.3	11
50	The effect of water contamination and host-related factors on ectoparasite load in an insectivorous bat. <i>Parasitology Research</i> , 2017, 116, 2517-2526.	1.6	11
51	Application of Waves for Remediation of Contaminated Aquifers. <i>Environmental Science & Technology</i> , 2003, 37, 4481-4486.	10.0	10
52	Mortality of <i>Cryptocaryon irritans</i> in sludge from a digester of a marine recirculating aquaculture system. <i>Aquaculture</i> , 2017, 467, 134-137.	3.5	10
53	Potential environmental impact resulting from biased fish sampling in intensive aquaculture operations. <i>Science of the Total Environment</i> , 2020, 707, 135630.	8.0	10
54	Treatment of Nitrate-Rich Saline Effluent by Using Citrate-Rich Waste as Carbon Source and Electron Donor in a Single-Stage Activated Sludge Reactor. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	8

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55	Reuse of Stabilized Fowl Manure as Soil Amendment and Its Implication on Organic Agriculture Nutrition Management. <i>Water, Air, and Soil Pollution</i> , 2011, 216, 537-545.	2.4	7
56	Environmental impact of irrigation with greywater treated by recirculating vertical flow constructed wetlands in two climatic regions. <i>Water Science and Technology</i> , 2014, 69, 2452-2459.	2.5	7
57	Occurrence of Antibiotic-Resistant Genes and Bacteria in Household Greywater Treated in Constructed Wetlands. <i>Water (Switzerland)</i> , 2022, 14, 758.	2.7	7
58	Evaluation of a Bio-Organic Catalyst in Channel Catfish, <i>Ictalurus punctatus</i> , Ponds. <i>Journal of Applied Aquaculture</i> , 1998, 8, 49-61.	1.4	6
59	Microbial diversity and community composition in recirculating vertical flow constructed wetlands. <i>Water Science and Technology</i> , 2011, 64, 2306-2315.	2.5	6
60	Effect of Treated Domestic Wastewater on Soil Physicochemical and Microbiological Properties. <i>Journal of Environmental Quality</i> , 2013, 42, 1226-1235.	2.0	6
61	Impact of Suspended Solids and Organic Matter on Chlorine and UV Disinfection Efficiency of Greywater. <i>Water (Switzerland)</i> , 2021, 13, 214.	2.7	6
62	Onsite anaerobic treatment of aquaponics lettuce waste: digestion efficiency and nutrient recovery. <i>Aquaculture International</i> , 2021, 29, 57-73.	2.2	5
63	Onsite Chlorination of Greywater in a Vertical Flow Constructed Wetland—Significance of Trihalomethane Formation. <i>Water (Switzerland)</i> , 2021, 13, 903.	2.7	5
64	Sustainable micropollutant bioremediation via stormwater biofiltration system. <i>Water Research</i> , 2022, 214, 118188.	11.3	4
65	Enhanced Transport of Colloidal Oil Droplets in Saturated and Unsaturated Sand Columns. <i>Environmental Science & Technology</i> , 2011, 45, 9205-9211.	10.0	2
66	Electron-acceptor utilization and methanogenesis in brackish aquaculture sludge. <i>Aquacultural Engineering</i> , 2015, 67, 32-38.	3.1	2