Shan-Shan Yang

List of Publications by Year
in descending order

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30	1,894	304743	454955
papers	citations	22 h-index	30 g-index

30	30	30	1474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biodegradation of Polyethylene and Plastic Mixtures in Mealworms (Larvae of <i>Tenebrio) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 6526-6533.	10.0	316
2	Biodegradation of polystyrene wastes in yellow mealworms (larvae of Tenebrio molitor Linnaeus): Factors affecting biodegradation rates and the ability of polystyrene-fed larvae to complete their life cycle. Chemosphere, 2018, 191, 979-989.	8.2	168
3	Biodegradation of Polyethylene and Polystyrene by Greater Wax Moth Larvae (<i>Galleria) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Environmental Science & Technology, 2020, 54, 2821-2831.	10.0	154
4	Fe, N-doped carbonaceous catalyst activating periodate for micropollutant removal: Significant role of electron transfer. Applied Catalysis B: Environmental, 2022, 303, 120880.	20.2	133
5	Ubiquity of polystyrene digestion and biodegradation within yellow mealworms, larvae of Tenebrio molitor Linnaeus (Coleoptera: Tenebrionidae). Chemosphere, 2018, 212, 262-271.	8.2	130
6	Biodegradation of polypropylene by yellow mealworms (Tenebrio molitor) and superworms (Zophobas) Tj ETQq0 0 0 rgBT /Overlock 10 144087.	8.0	107
7	Generation of high-efficient biochar for dye adsorption using frass of yellow mealworms (larvae of) Tj ETQq1 1 0.784314 rgBT /Overlo Production, 2019, 227, 33-47.	9.3	78
8	Non-covalent self-assembly synthesis of AQ2S@rGO nanocomposite for the degradation of sulfadiazine under solar irradiation: The indispensable effect of chloride. Applied Catalysis B: Environmental, 2021, 298, 120495.	20.2	73
9	Simulating a combined lysis-cryptic and biological nitrogen removal system treating domestic wastewater at low C/N ratios using artificial neural network. Water Research, 2021, 189, 116576.	11.3	68
10	A novel clean production approach to utilize crop waste residues as co-diet for mealworm (Tenebrio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Pollution, 2019, 252, 1142-1153.	7.5	61
11	Optimization of operating parameters for sludge process reduction under alternating aerobic/oxygen-limited conditions by response surface methodology. Bioresource Technology, 2011, 102, 9843-9851.	9.6	55
12	Novel coagulation waste-based Fe-containing carbonaceous catalyst as peroxymonosulfate activator for pollutants degradation: Role of ROS and electron transfer pathway. Journal of Hazardous Materials, 2021, 417, 126113.	12.4	55
13	Response of the yellow mealworm (Tenebrio molitor) gut microbiome to diet shifts during polystyrene and polyethylene biodegradation. Journal of Hazardous Materials, 2021, 416, 126222.	12.4	54
14	One-pot hydrothermal fabrication of BiVO4/Fe3O4/rGO composite photocatalyst for the simulated solar light-driven degradation of Rhodamine B. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	47
15	Thermophilic hydrogen production from sludge pretreated by thermophilic bacteria: Analysis of the advantages of microbial community and metabolism. Bioresource Technology, 2014, 172, 433-437.	9.6	43
16	Confirmation of biodegradation of low-density polyethylene in dark- versus yellow- mealworms (larvae of Tenebrio obscurus versus Tenebrio molitor) via. gut microbe-independent depolymerization. Science of the Total Environment, 2021, 789, 147915.	8.0	39
17	Simultaneous in-situ sludge reduction and nutrient removal in an A 2 MO-M system: Performances, mechanisms, and modeling with an extended ASM2d model. Water Research, 2016, 88, 524-537.	11.3	34
18	Impacts of physical-chemical property of polyethylene on depolymerization and biodegradation in yellow and dark mealworms with high purity microplastics. Science of the Total Environment, 2022, 828, 154458.	8.0	32

#	Article	IF	Citations
19	Optimization of ultrasonic pretreatment and substrate/inoculum ratio to enhance hydrolysis and volatile fatty acid production from food waste. RSC Advances, 2014, 4, 53321-53326.	3.6	31
20	An influent responsive control strategy with machine learning: Q-learning based optimization method for a biological phosphorus removal system. Chemosphere, 2019, 234, 893-901.	8.2	28
21	Enhanced nitrogen removal in an electrochemically coupled biochar-amended constructed wetland microcosms: The interactive effects of biochar and electrochemistry. Science of the Total Environment, 2021, 789, 147761.	8.0	28
22	Immobilized redox mediators on modified biochar and their role on azo dye biotransformation in anaerobic biological systems: Mechanisms, biodegradation pathway and theoretical calculation. Chemical Engineering Journal, 2021, 423, 130300.	12.7	28
23	A biochar-promoted V₂O₅/g-C₃N₄ Z-Scheme heterostructure for enhanced simulated solar light-driven photocatalytic activity. RSC Advances, 2021, 11, 15106-15117.	3.6	24
24	Biological phosphorus removal in an extended ASM2 model: Roles of extracellular polymeric substances and kinetic modeling. Bioresource Technology, 2017, 232, 412-416.	9.6	22
25	Application of low frequency ultrasound to stimulate the bio-activity of activated sludge for use as an inoculum in enhanced hydrogen production. RSC Advances, 2013, 3, 21848.	3.6	20
26	Intelligent Control/Operational Strategies in WWTPs through an Integrated Q-Learning Algorithm with ASM2d-Guided Reward. Water (Switzerland), 2019, 11, 927.	2.7	19
27	Runoff control simulation and comprehensive benefit evaluation of low-impact development strategies in a typical cold climate area. Environmental Research, 2022, 206, 112630.	7.5	18
28	Simultaneous nutrient removal and reduction in sludge from sewage waste using an alternating anaerobicâ€“anoxicâ€“microaerobicâ€“aerobic system combining ozone/ultrasound technology. RSC Advances, 2014, 4, 52892-52897.	3.6	17
29	In-situ fabrication of carbon cloth-supported polypyrrole-platinum nanosheets for the electrochemical detection of ammoniaâ€“nitrogen. Materials Letters, 2021, 305, 130767.	2.6	7
30	An improved ASM-GDA approach to evaluate the production kinetics of loosely bound and tightly bound extracellular polymeric substances in biological phosphorus removal process. RSC Advances, 2020, 10, 2495-2506.	3.6	5