

Shan-Shan Yang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,894
citations

304743

22
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1474
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot hydrothermal fabrication of BiVO ₄ /Fe ₃ O ₄ /rGO composite photocatalyst for the simulated solar light-driven degradation of Rhodamine B. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	6.0	47
2	Fe, N-doped carbonaceous catalyst activating periodate for micropollutant removal: Significant role of electron transfer. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120880.	20.2	133
3	Runoff control simulation and comprehensive benefit evaluation of low-impact development strategies in a typical cold climate area. <i>Environmental Research</i> , 2022, 206, 112630.	7.5	18
4	Impacts of physical-chemical property of polyethylene on depolymerization and biodegradation in yellow and dark mealworms with high purity microplastics. <i>Science of the Total Environment</i> , 2022, 828, 154458.	8.0	32
5	Simulating a combined lysis-cryptic and biological nitrogen removal system treating domestic wastewater at low C/N ratios using artificial neural network. <i>Water Research</i> , 2021, 189, 116576.	11.3	68
6	Biodegradation of polypropylene by yellow mealworms (<i>Tenebrio molitor</i>) and superworms (<i>Zophobas</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 144087.</i>	8.0	107
7	Response of the yellow mealworm (<i>Tenebrio molitor</i>) gut microbiome to diet shifts during polystyrene and polyethylene biodegradation. <i>Journal of Hazardous Materials</i> , 2021, 416, 126222.	12.4	54
8	Novel coagulation waste-based Fe-containing carbonaceous catalyst as peroxydisulfate activator for pollutants degradation: Role of ROS and electron transfer pathway. <i>Journal of Hazardous Materials</i> , 2021, 417, 126113.	12.4	55
9	Enhanced nitrogen removal in an electrochemically coupled biochar-amended constructed wetland microcosms: The interactive effects of biochar and electrochemistry. <i>Science of the Total Environment</i> , 2021, 789, 147761.	8.0	28
10	Confirmation of biodegradation of low-density polyethylene in dark- versus yellow- mealworms (larvae of <i>Tenebrio obscurus</i> versus <i>Tenebrio molitor</i>) via. gut microbe-independent depolymerization. <i>Science of the Total Environment</i> , 2021, 789, 147915.	8.0	39
11	Immobilized redox mediators on modified biochar and their role on azo dye biotransformation in anaerobic biological systems: Mechanisms, biodegradation pathway and theoretical calculation. <i>Chemical Engineering Journal</i> , 2021, 423, 130300.	12.7	28
12	In-situ fabrication of carbon cloth-supported polypyrrole-platinum nanosheets for the electrochemical detection of ammonia nitrogen. <i>Materials Letters</i> , 2021, 305, 130767.	2.6	7
13	Non-covalent self-assembly synthesis of AQ2S@rGO nanocomposite for the degradation of sulfadiazine under solar irradiation: The indispensable effect of chloride. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120495.	20.2	73
14	A biochar-promoted V ₂ O ₅ /g-C ₃ N ₄ Z-Scheme heterostructure for enhanced simulated solar light-driven photocatalytic activity. <i>RSC Advances</i> , 2021, 11, 15106-15117.	3.6	24
15	An improved ASM-GDA approach to evaluate the production kinetics of loosely bound and tightly bound extracellular polymeric substances in biological phosphorus removal process. <i>RSC Advances</i> , 2020, 10, 2495-2506.	3.6	5
16	Biodegradation of Polyethylene and Polystyrene by Greater Wax Moth Larvae (<i>Galleria</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Environmental Science & Technology</i> , 2020, 54, 2821-2831.	10.0	154
17	Intelligent Control/Operational Strategies in WWTPs through an Integrated Q-Learning Algorithm with ASM2d-Guided Reward. <i>Water (Switzerland)</i> , 2019, 11, 927.	2.7	19
18	An influent responsive control strategy with machine learning: Q-learning based optimization method for a biological phosphorus removal system. <i>Chemosphere</i> , 2019, 234, 893-901.	8.2	28

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19	A novel clean production approach to utilize crop waste residues as co-diet for mealworm (<i>Tenebrio</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Pollution, 2019, 252, 1142-1153.	7.5	61
20	Generation of high-efficient biochar for dye adsorption using frass of yellow mealworms (larvae of <i>Tenebrio</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Production, 2019, 227, 33-47.	9.3	78
21	Biodegradation of polystyrene wastes in yellow mealworms (larvae of <i>Tenebrio molitor</i> Linnaeus): Factors affecting biodegradation rates and the ability of polystyrene-fed larvae to complete their life cycle. <i>Chemosphere</i> , 2018, 191, 979-989.	8.2	168
22	Biodegradation of Polyethylene and Plastic Mixtures in Mealworms (Larvae of <i>Tenebrio</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td 6526-6533.	10.0	316
23	Ubiquity of polystyrene digestion and biodegradation within yellow mealworms, larvae of <i>Tenebrio molitor</i> Linnaeus (Coleoptera: Tenebrionidae). <i>Chemosphere</i> , 2018, 212, 262-271.	8.2	130
24	Biological phosphorus removal in an extended ASM2 model: Roles of extracellular polymeric substances and kinetic modeling. <i>Bioresource Technology</i> , 2017, 232, 412-416.	9.6	22
25	Simultaneous in-situ sludge reduction and nutrient removal in an A 2 MO-M system: Performances, mechanisms, and modeling with an extended ASM2d model. <i>Water Research</i> , 2016, 88, 524-537.	11.3	34
26	Optimization of ultrasonic pretreatment and substrate/inoculum ratio to enhance hydrolysis and volatile fatty acid production from food waste. <i>RSC Advances</i> , 2014, 4, 53321-53326.	3.6	31
27	Thermophilic hydrogen production from sludge pretreated by thermophilic bacteria: Analysis of the advantages of microbial community and metabolism. <i>Bioresource Technology</i> , 2014, 172, 433-437.	9.6	43
28	Simultaneous nutrient removal and reduction in sludge from sewage waste using an alternating anaerobic/anoxic/microaerobic/aerobic system combining ozone/ultrasound technology. <i>RSC Advances</i> , 2014, 4, 52892-52897.	3.6	17
29	Application of low frequency ultrasound to stimulate the bio-activity of activated sludge for use as an inoculum in enhanced hydrogen production. <i>RSC Advances</i> , 2013, 3, 21848.	3.6	20
30	Optimization of operating parameters for sludge process reduction under alternating aerobic/oxygen-limited conditions by response surface methodology. <i>Bioresource Technology</i> , 2011, 102, 9843-9851.	9.6	55