Mohamed Gar Alalm

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/45326/publications.pdf

Version: 2024-02-01

41 papers	2,066 citations	218677 26 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	1864 citing authors

#	Article	IF	Citations
1	Optimization of electrochemical activation of persulfate by BDD electrodes for rapid removal of sulfamethazine. Chemosphere, 2022, 286, 131579.	8.2	44
2	Emerging investigator series: microplastic sources, fate, toxicity, detection, and interactions with micropollutants in aquatic ecosystems â€“ a review of reviews. Environmental Sciences: Processes and Impacts, 2022, 24, 172-195.	3.5	22
3	Solar photo-oxidation of recalcitrant industrial wastewater: a review. Environmental Chemistry Letters, 2022, 20, 1839-1862.	16.2	49
4	A divided flow aerobic-anoxic baffled reactor for simultaneous nitrification-denitrification of domestic wastewater. Science of the Total Environment, 2022, 833, 155247.	8.0	6
5	Visible-light-driven photocatalytic disinfection of raw surface waters (300â€“5000 CFU/mL) using reusable coated Ru/WO3/ZrO2. Journal of Hazardous Materials, 2021, 402, 123514.	12.4	29
6	CNTs/MOF-808 painted plates for extended treatment of pharmaceutical and agrochemical wastewaters in a novel photocatalytic reactor. Chemical Engineering Journal, 2021, 406, 127152.	12.7	78
7	Comparative life cycle assessment of five chemical methods for removal of phenol and its transformation products. Journal of Cleaner Production, 2021, 291, 125923.	9.3	26
8	Toward Scaling-Up Photocatalytic Process for Multiphase Environmental Applications. Catalysts, 2021, 11, 562.	3.5	42
9	Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	34
10	Optimization of catalytic wet peroxide oxidation of carbofuran by Ti-LaFeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1499" altimg="si35.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> dual photocatalyst. Environmental Technology and Innovation, 2021, 23, 101778.	6.1	12
11	Revisiting the MIL-101 metalâ€“organic framework: design, synthesis, modifications, advances, and recent applications. Journal of Materials Chemistry A, 2021, 9, 22159-22217.	10.3	100
12	Photocatalytic degradation of NOx and ethanol in the gas phase by spray dried Ce-TiO2. Journal of Environmental Chemical Engineering, 2021, 9, 106813.	6.7	9
13	Doping of Ni in MIL-125(Ti) for enhanced photocatalytic degradation of carbofuran: Reusability of coated plates and effect of different water matrices. Journal of Water Process Engineering, 2021, 44, 102449.	5.6	27
14	Effective photocatalytic degradation of sulfamethazine by CNTs/LaVO4 in suspension and dip coating modes. Separation and Purification Technology, 2020, 235, 116138.	7.9	67
15	Modeling the degradation and disinfection of water pollutants by photocatalysts and composites: A critical review. Science of the Total Environment, 2020, 698, 134197.	8.0	105
16	Photocatalytic degradation of trimethoprim using S-TiO2 and Ru/WO3/ZrO2 immobilized on reusable fixed plates. Journal of Water Process Engineering, 2020, 33, 101023.	5.6	42
17	Paperboard mill wastewater treatment via combined dark and LED-mediated fermentation in the absence of external chemical addition. Bioresource Technology, 2020, 295, 122312.	9.6	22
18	Optimization and mechanism insights into the sulfamethazine degradation by bimetallic ZVI/Cu nanoparticles coupled with H2O2. Journal of Environmental Chemical Engineering, 2020, 8, 104341.	6.7	27

#	Article	IF	Citations
19	MIL-53(Al)/ZnO coated plates with high photocatalytic activity for extended degradation of trimethoprim via novel photocatalytic reactor. Separation and Purification Technology, 2020, 249, 117173.	7.9	61
20	A novel photocatalytic reactor for the extended reuse of Wâ€“TiO2 in the degradation of sulfamethazine. Chemosphere, 2020, 257, 127270.	8.2	48
21	Effective photocatalytic disinfection of drinking water using TiO₂and WO₃ coated on fixed plates. , 2020, , .		1
22	Application of CNTs/LaVO₄ on photocatalytic degradation of methylene blue in different contact modes. , 2020, , .		3
23	Application of magnetic multi-wall carbon nanotube composite into fermentative treatment process of ultrasonicated waste activated sludge. Bioresource Technology, 2020, 306, 123186.	9.6	29
24	Innovative photocatalytic reactor for the degradation of chlorpyrifos using a coated composite of ZrV2O7 and graphene nano-platelets. Chemical Engineering Journal, 2020, 395, 124974.	12.7	66
25	Utilization of iron sludge resulted from electro-coagulation in heterogeneous photo-Fenton process. Water Practice and Technology, 2020, 15, 1228-1237.	2.0	31
26	Environmental and cost life cycle assessment of different alternatives for improvement of wastewater treatment plants in developing countries. Science of the Total Environment, 2019, 660, 57-68.	8.0	111
27	Modeling and optimization of heterogeneous Fenton-like and photo-Fenton processes using reusable Fe3O4-MWCNTs. Chemical Engineering Research and Design, 2019, 128, 273-283.	5.6	66
28	Application of electro-Fenton process for treatment of water contaminated with benzene, toluene, and p-xylene (BTX) using affordable electrodes. Journal of Water Process Engineering, 2019, 31, 100837.	5.6	26
29	Optimization and modeling of electro-Fenton process for treatment of phenolic wastewater using nickel and sacrificial stainless steel anodes. Journal of Water Process Engineering, 2018, 22, 155-162.	5.6	54
30	Artificial intelligence, regression model, and cost estimation for removal of chlorothalonil pesticide by activated carbon prepared fromÂcasuarina charcoal. Sustainable Environment Research, 2018, 28, 101-110.	4.2	67
31	ICT based Smart Management Solution to Realize Water and Energy Savings through Energy Efficiency Measures in Water Distribution Systems. , 2018, , .		8
32	Immobilization of S-TiO2 on reusable aluminum plates by polysiloxane for photocatalytic degradation of 2,4-dichlorophenol in water. Journal of Water Process Engineering, 2018, 26, 329-335.	5.6	60
33	Investigation of optimum conditions and costs estimation for degradation of phenol by solar photo-Fenton process. Applied Water Science, 2017, 7, 375-382.	5.6	37
34	Assessment of a novel spiral hydraulic flocculation/sedimentation system by CFD simulation, fuzzy inference system, and response surface methodology. Separation and Purification Technology, 2016, 169, 137-150.	7.9	22
35	Solar photocatalytic degradation of phenol by TiO₂/AC prepared by temperature impregnation method. Desalination and Water Treatment, 2016, 57, 835-844.	1.0	50
36	Enhancement of photocatalytic activity of TiO2 by immobilization on activated carbon for degradation of pharmaceuticals. Journal of Environmental Chemical Engineering, 2016, 4, 1929-1937.	6.7	141

#	Article	IF	Citations
37	Improved WO 3 photocatalytic efficiency using ZrO 2 and Ru for the degradation of carbofuran and ampicillin. Journal of Hazardous Materials, 2016, 302, 225-231.	12.4	106
38	Comparison of solar TiO 2 photocatalysis and solar photo-Fenton for treatment of pesticides industry wastewater: Operational conditions, kinetics, and costs. Journal of Water Process Engineering, 2015, 8, 55-63.	5.6	165
39	Degradation of four pharmaceuticals by solar photo-Fenton process: Kinetics and costs estimation. Journal of Environmental Chemical Engineering, 2015, 3, 46-51.	6.7	157
40	Modeling and Optimization of Photocatalytic Degradation of Methylene Blue Using Lanthanum Vanadate. Materials Science Forum, 0, 1008, 97-103.	0.3	12
41	Improving the ZnO-photocatalytic degradation of humic acid using powdered residuals from water purification plant. Water Practice and Technology, 0, , .	2.0	4