

# Thomas A Kotsopoulos

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

959  
citations

516710

16  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ammonium and acetate on methanogenic pathway and methanogenic community composition. <i>FEMS Microbiology Ecology</i> , 2013, 83, 38-48.	2.7	204
2	Biohydrogen production in granular up-flow anaerobic sludge blanket (UASB) reactors with mixed cultures under hyper-thermophilic temperature (70°C). <i>Biotechnology and Bioengineering</i> , 2006, 94, 296-302.	3.3	140
3	Biohydrogen production from pig slurry in a CSTR reactor system with mixed cultures under hyper-thermophilic temperature (70 °C). <i>Biomass and Bioenergy</i> , 2009, 33, 1168-1174.	5.7	78
4	Effect of feedstock composition and organic loading rate during the mesophilic co-digestion of olive mill wastewater and swine manure. <i>Renewable Energy</i> , 2014, 69, 202-207.	8.9	60
5	The impact of different natural zeolite concentrations on the methane production in thermophilic anaerobic digestion of pig waste. <i>Biosystems Engineering</i> , 2008, 99, 105-111.	4.3	56
6	Anaerobic co-digestion of cattle manure and alternative crops for the substitution of maize in South Europe. <i>Bioresource Technology</i> , 2014, 172, 68-75.	9.6	55
7	Effect of ultrasonic and ozonation pretreatment on methane production potential of raw molasses wastewater. <i>Renewable Energy</i> , 2016, 96, 1078-1085.	8.9	35
8	Inoculum and zeolite synergistic effect on anaerobic digestion of poultry manure. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1219-1225.	2.2	33
9	Passive cooling systems in livestock buildings towards energy saving: A critical review. <i>Energy and Buildings</i> , 2019, 202, 109368.	6.7	31
10	Mathematical modeling of upflow anaerobic sludge blanket (UASB) reactors: Simultaneous accounting for hydrodynamics and bio-dynamics. <i>Chemical Engineering Science</i> , 2015, 137, 677-684.	3.8	28
11	Advanced phosphorus recovery using a novel SBR system with granular sludge in simultaneous nitrification, denitrification and phosphorus removal process. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4367-4374.	3.6	28
12	Zeolite and swine inoculum effect on poultry manure biomethanation. <i>International Agrophysics</i> , 2013, 27, 169-173.	1.7	25
13	Ammonia-induced inhibition of manure-based continuous biomethanation process under different organic loading rates and associated microbial community dynamics. <i>Bioresource Technology</i> , 2021, 320, 124323.	9.6	25
14	Development of an anaerobic co-metabolic model for degradation of phenol, m-cresol and easily degradable substrate. <i>Biochemical Engineering Journal</i> , 2016, 106, 19-25.	3.6	21
15	Microbial adaptation to high ammonia concentrations during anaerobic digestion of manure-based feedstock: biomethanation and 16S rRNA gene sequencing. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1970-1979.	3.2	20
16	Effects of organic loading rate and hydraulic retention time on bioaugmentation performance to tackle ammonia inhibition in anaerobic digestion. <i>Bioresource Technology</i> , 2021, 334, 125246.	9.6	20
17	Performance evaluation of a hybrid solar heating system for farrowing houses. <i>Energy and Buildings</i> , 2015, 97, 162-174.	6.7	18
18	Effect of energy saving solar sleeves on characteristics of hydroponic tomatoes grown in a greenhouse. <i>Scientia Horticulturae</i> , 2015, 194, 126-133.	3.6	17

#	ARTICLE	IF	CITATIONS
19	Estimation of Energy Recovery Potential from Primary Residues of Four Municipal Wastewater Treatment Plants. Sustainability, 2021, 13, 7198.	3.2	12
20	Calculated external pressure coefficients on livestock buildings and comparison with Eurocode 1. Wind and Structures, an International Journal, 2012, 15, 481-494.	0.8	11
21	A review of advances in valorization and post-treatment of anaerobic digestion liquid fraction effluent. Waste Management and Research, 2022, 40, 1093-1109.	3.9	11
22	Start-up and steady-state results of a UASB reactor treating high pH baker's yeast molasses wastewater for methane production. Journal of Chemical Technology and Biotechnology, 2017, 92, 775-780.	3.2	10
23	The Effect of Ammonia Toxicity on Methane Production of a Full-Scale Biogas Plant—An Estimation Method. Energies, 2021, 14, 5031.	3.1	10
24	Energy and environmental analysis of an innovative greenhouse structure towards frost prevention and heating needs conservation. Sustainable Energy Technologies and Assessments, 2020, 40, 100750.	2.7	4
25	Application of urban passive cooling systems and design techniques in livestock buildings. IOP Conference Series: Earth and Environmental Science, 0, 410, 012029.	0.3	3
26	Improvement of the Performance of an Earth to Air Heat Exchanger for Greenhouse Cooling by the Incorporation of Water Finned Tubes—A Theoretical Approach. AgriEngineering, 2022, 4, 190-206.	3.2	2
27	Dynamic computer-aided approximation of airflow around and inside an agricultural structure. Science and Technology for the Built Environment, 2017, 23, 382-390.	1.7	1
28	Renewable energy sources: prospects and technologies. , 0, , 1-4.		1
29	Potentials of biomass production in the region of Central Macedonia in Northern Greece. International Journal of Sustainable Agricultural Management and Informatics, 2017, 3, 258.	0.2	0
30	Agricultural uses in a greenhouse structure with an integrated solar desalination system on the roof. , 0, , 1-23.		0