Vagelis G Papadakis

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effect of supplementary cementing materials on concrete resistance against carbonation and chloride ingress. Cement and Concrete Research, 2000, 30, 291-299.	11.0	480
2	Agricultural and livestock sector's residues in Greece & China: Comparative qualitative and quantitative characterization for assessing their potential for biogas production. Renewable and Sustainable Energy Reviews, 2022, 154, 111821.	16.4	62
3	Computer-aided modeling of concrete service life. Cement and Concrete Composites, 2014, 47, 9-18.	10.7	38
4	Physicochemical processes and mathematical modeling of concrete chlorination. Chemical Engineering Science, 1996, 51, 505-513.	3.8	33
5	Bioaugmentation with well-constructed consortia can effectively alleviate ammonia inhibition of practical manure anaerobic digestion. Water Research, 2022, 215, 118244.	11.3	33
6	Catalytic fast pyrolysis of agricultural residues and dedicated energy crops for the production of high energy density transportation biofuels. Part I: Chemical pathways and bio-oil upgrading. Renewable Energy, 2022, 185, 483-505.	8.9	29
7	Durability design process of reinforced concrete structures - Service life estimation, problems and perspectives. Journal of Building Engineering, 2019, 26, 100876.	3.4	23
8	Recent Progress in the Steam Reforming of Bio-Oil for Hydrogen Production: A Review of Operating Parameters, Catalytic Systems and Technological Innovations. Catalysts, 2021, 11, 1526.	3.5	19
9	Methane production from acetate, formate and H2/CO2 under high ammonia level: Modified ADM1 simulation and microbial characterization. Science of the Total Environment, 2021, 783, 147581.	8.0	18
10	Catalytic fast pyrolysis of agricultural residues and dedicated energy crops for the production of high energy density transportation biofuels. Part II: Catalytic research. Renewable Energy, 2022, 189, 315-338.	8.9	18
11	Biochemical Μethane potential of most promising agricultural residues in Northern and Southern Greece. Chemosphere, 2022, 296, 133985.	8.2	16
12	Efficient degradation of organic compounds in landfill leachate via developing bio-electro-Fenton process. Journal of Environmental Management, 2022, 319, 115719.	7.8	12
13	Heterogeneous Catalyst–Microbiome Hybrids for Efficient CO-Driven C6 Carboxylic Acid Synthesis via Metabolic Pathway Manipulation. ACS Catalysis, 2022, 12, 5834-5845.	11.2	11
14	Service life prediction of a reinforced concrete bridge exposed to chloride induced deterioration. Advances in Concrete Construction, 2013, 1, 201-213.	0.4	10
15	Calcium ion can alleviate ammonia inhibition on anaerobic digestion via balanced-strengthening dehydrogenases and reinforcing protein-binding structure: Model evaluation and microbial characterization. Bioresource Technology, 2022, 354, 127165.	9.6	7
16	pH regulation of the first phase could enhance the energy recovery from twoâ€phase anaerobic digestion of food waste. Water Environment Research, 2021, 93, 1370-1380.	2.7	6
17	A New Step-by-Step Model for Implementing Open Innovation. Sustainability, 2022, 14, 6017.	3.2	5
18	On CO ₂ sequestration in concrete aggregate via carbonation: simulation and experimental verification. European Journal of Environmental and Civil Engineering, 2022, 26, 6076-6095.	2.1	3

#	Article	IF	CITATIONS
19	A Performance Comparison of Pilot-Scale Sand Filtration and Membrane Filtration of Glafkos River Water. Journal of Marine Science and Engineering, 2021, 9, 203.	2.6	2
20	EXPLOITATION OF OLIVE TREE PRUNINGS AS RAW MATERIAL FOR THE PRODUCTION OF HIGH QUALITY COMPOST. Environmental Engineering and Management Journal, 2016, 15, 2709-2717.	0.6	2
21	Simultaneous supplementation of magnetite and polyurethane foam carrier can reach a Pareto-optimal point to alleviate ammonia inhibition during anaerobic digestion. Renewable Energy, 2022, 189, 104-116.	8.9	2
22	Particularities of the hot desert climate of the Arabian Peninsula on the durability of reinforced concrete structures – A case study. Construction and Building Materials, 2021, 306, 124813.	7.2	1