

# Vagelis G Papadakis

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

830  
citations

840119

11  
h-index

676716

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of supplementary cementing materials on concrete resistance against carbonation and chloride ingress. <i>Cement and Concrete Research</i> , 2000, 30, 291-299.	4.6	480
2	Agricultural and livestock sector's residues in Greece & China: Comparative qualitative and quantitative characterization for assessing their potential for biogas production. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111821.	8.2	62
3	Computer-aided modeling of concrete service life. <i>Cement and Concrete Composites</i> , 2014, 47, 9-18.	4.6	38
4	Physicochemical processes and mathematical modeling of concrete chlorination. <i>Chemical Engineering Science</i> , 1996, 51, 505-513.	1.9	33
5	Bioaugmentation with well-constructed consortia can effectively alleviate ammonia inhibition of practical manure anaerobic digestion. <i>Water Research</i> , 2022, 215, 118244.	5.3	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. <i>Renewable Energy</i> , 2022, 185, 483-505.	4.3	29
7	Durability design process of reinforced concrete structures - Service life estimation, problems and perspectives. <i>Journal of Building Engineering</i> , 2019, 26, 100876.	1.6	23
8	Recent Progress in the Steam Reforming of Bio-Oil for Hydrogen Production: A Review of Operating Parameters, Catalytic Systems and Technological Innovations. <i>Catalysts</i> , 2021, 11, 1526.	1.6	19
9	Methane production from acetate, formate and H <sub>2</sub> /CO <sub>2</sub> under high ammonia level: Modified ADM1 simulation and microbial characterization. <i>Science of the Total Environment</i> , 2021, 783, 147581.	3.9	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. <i>Renewable Energy</i> , 2022, 189, 315-338.	4.3	18
11	Biochemical methane potential of most promising agricultural residues in Northern and Southern Greece. <i>Chemosphere</i> , 2022, 296, 133985.	4.2	16
12	Efficient degradation of organic compounds in landfill leachate via developing bio-electro-Fenton process. <i>Journal of Environmental Management</i> , 2022, 319, 115719.	3.8	12
13	Heterogeneous Catalysts-Microbiome Hybrids for Efficient CO-Driven C <sub>6</sub> Carboxylic Acid Synthesis via Metabolic Pathway Manipulation. <i>ACS Catalysis</i> , 2022, 12, 5834-5845.	5.5	11
14	Service life prediction of a reinforced concrete bridge exposed to chloride induced deterioration. <i>Advances in Concrete Construction</i> , 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. <i>Bioresource Technology</i> , 2022, 354, 127165.	4.8	7
16	pH regulation of the first phase could enhance the energy recovery from two-phase anaerobic digestion of food waste. <i>Water Environment Research</i> , 2021, 93, 1370-1380.	1.3	6
17	A New Step-by-Step Model for Implementing Open Innovation. <i>Sustainability</i> , 2022, 14, 6017.	1.6	5
18	On CO <sub>2</sub> sequestration in concrete aggregate via carbonation: simulation and experimental verification. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 6076-6095.	1.0	3

#	ARTICLE	IF	CITATIONS
19	A Performance Comparison of Pilot-Scale Sand Filtration and Membrane Filtration of Glafkos River Water. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 203.	1.2	2
20	EXPLOITATION OF OLIVE TREE PRUNINGS AS RAW MATERIAL FOR THE PRODUCTION OF HIGH QUALITY COMPOST. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2709-2717.	0.2	2
21	Simultaneous supplementation of magnetite and polyurethane foam carrier can reach a Pareto-optimal point to alleviate ammonia inhibition during anaerobic digestion. <i>Renewable Energy</i> , 2022, 189, 104-116.	4.3	2
22	Particularities of the hot desert climate of the Arabian Peninsula on the durability of reinforced concrete structures – A case study. <i>Construction and Building Materials</i> , 2021, 306, 124813.	3.2	1