

# Volodymyr N Ivanov

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

3,210  
citations

201385

27  
h-index

155451

55  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decontamination of Seawater in a Harbor: Case Study of Potential Bioterrorism Attack. Smart Innovation, Systems and Technologies, 2022, , 217-226.	0.5	1
2	Introduction to viruses, bacteria, and fungi in the built environment. , 2022, , 11-27.		0
3	Calcium phosphate biocement using bone meal and acid urease: An eco-friendly approach for soil improvement. Journal of Cleaner Production, 2021, 319, 128782.	4.6	30
4	Biocementation technology for construction of artificial oasis in sandy desert. Journal of King Saud University, Engineering Sciences, 2020, 32, 491-494.	1.2	4
5	Environmental safety of biotechnological materials and processes. , 2020, , 359-375.		2
6	Biotechnological immobilization of chemical, biological, and radioactive pollutants on land and infrastructure demolition waste after industrial accident, military action, or terrorist attack. , 2020, , 377-393.		3
7	Microbially-Mediated Decontamination of CBRN Agents on Land and Infrastructure Using Biocementation. NATO Science for Peace and Security Series C: Environmental Security, 2020, , 233-244.	0.1	2
8	Environmental safety and biosafety in construction biotechnology. World Journal of Microbiology and Biotechnology, 2019, 35, 26.	1.7	42
9	Ecofriendly calcium phosphate and calcium bicarbonate biogrouts. Journal of Cleaner Production, 2019, 218, 328-334.	4.6	19
10	Iron-containing clay and hematite iron ore in slurry-phase anaerobic digestion of chicken manure. AIMS Materials Science, 2019, 6, 821-832.	0.7	14
11	Removal of the Recalcitrant Artificial Sweetener Sucralose and Its By-Products from Industrial Wastewater Using Microbial Reduction/Oxidation of Iron. ChemEngineering, 2018, 2, 37.	1.0	1
12	Biotechnological production of biogrout from iron ore and cellulose. Journal of Chemical Technology and Biotechnology, 2017, 92, 180-187.	1.6	11
13	Construction Biotechnology. Green Energy and Technology, 2017, , .	0.4	21
14	Basics of Biotechnology for Civil and Environmental Engineers. Green Energy and Technology, 2017, , 23-40.	0.4	2
15	Calcite/aragonite-biocoated artificial coral reefs for marine parks. AIMS Environmental Science, 2017, 4, 586-595.	0.7	6
16	Sealing of sand using spraying and percolating biogrouts for the construction of model aquaculture pond in arid desert. International Aquatic Research, 2016, 8, 207-216.	1.5	13
17	Strengthening of Soft Marine Clay Using Bioencapsulation. Marine Georesources and Geotechnology, 2015, 33, 320-324.	1.2	48
18	Physiological comparison of cells with high and low alcohol dehydrogenase activities in bacterial populations consuming ethanol. Annals of Microbiology, 2015, 65, 1007-1016.	1.1	0

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19	Construction Biotechnology: a new area of biotechnological research and applications. World Journal of Microbiology and Biotechnology, 2015, 31, 1303-1314.	1.7	58
20	Use of Biogeotechnologies for Soil Improvement. , 2015, , 571-589.		12
21	Production and applications of crude polyhydroxyalkanoate-containing bioplastic from the organic fraction of municipal solid waste. International Journal of Environmental Science and Technology, 2015, 12, 725-738.	1.8	60
22	Wastewater engineering applications of BiolronTech process based on the biogeochemical cycle of iron bioreduction and (bio)oxidation. AIMS Environmental Science, 2014, 1, 53-66.	0.7	6
23	Optimization of calcium-based bioclogging and biocementation of sand. Acta Geotechnica, 2014, 9, 277-285.	2.9	210
24	Iron- and Calcium-Based Biogrouts for Soil Improvement. , 2014, , .		2
25	Iron- and calcium-based biogrouts for porous soils. Proceedings of Institution of Civil Engineers: Construction Materials, 2014, 167, 36-41.	0.7	21
26	Cell dualism: presence of cells with alternative membrane potentials in growing populations of bacteria and yeasts. Journal of Bioenergetics and Biomembranes, 2013, 45, 505-510.	1.0	4
27	Halotolerant, alkaliphilic urease-producing bacteria from different climate zones and their application for biocementation of sand. World Journal of Microbiology and Biotechnology, 2013, 29, 1453-1460.	1.7	95
28	Immobilization of Sand Dust and Associated Pollutants Using Bioaggregation. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	46
29	Assessment of correlation between physiological states of Escherichia coli cells and their susceptibility to chlorine using flow cytometry. Water Science and Technology: Water Supply, 2013, 13, 1056-1062.	1.0	4
30	SCREENING AND SELECTION OF MICROORGANISMS FOR THE ENVIRONMENTAL BIOTECHNOLOGY PROCESS. , 2012, , 1137-1149.		5
31	Microbially Induced Calcium Carbonate Precipitation on Surface or in the Bulk of Soil. Geomicrobiology Journal, 2012, 29, 544-549.	1.0	323
32	Microfluidic Characterization and Continuous Separation of Cells and Particles Using Conducting Poly(dimethyl siloxane) Electrode Induced Alternating Current-Dielectrophoresis. Analytical Chemistry, 2011, 83, 9579-9585.	3.2	115
33	Heterogeneity of Escherichia coli population by respiratory activity and membrane potential of cells during growth and long-term starvation. Microbiological Research, 2011, 166, 129-135.	2.5	31
34	Formation of water-impermeable crust on sand surface using biocement. Cement and Concrete Research, 2011, 41, 1143-1149.	4.6	130
35	Biodegradation of estrogens by facultative anaerobic iron-reducing bacteria. Process Biochemistry, 2010, 45, 284-287.	1.8	26
36	The removal of nitrogen and phosphorus from reject water of municipal wastewater treatment plant using ferric and nitrate bioreductions. Bioresource Technology, 2010, 101, 3992-3999.	4.8	65

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37	Applications of Environmental Biotechnology. , 2010, , 1-17.		6
38	Value-Added Biotechnological Products from Organic Wastes. , 2010, , 343-394.		15
39	Microbial structure of nitrifying granules and their estrogens degradation properties. Water Science and Technology, 2009, 59, 1855-1862.	1.2	8
40	The removal of phosphorus from reject water in a municipal wastewater treatment plant using iron ore. Journal of Chemical Technology and Biotechnology, 2009, 84, 78-82.	1.6	36
41	The removal of phosphate from wastewater using anoxic reduction of iron ore in the rotating reactor. Biochemical Engineering Journal, 2009, 46, 223-226.	1.8	17
42	Soil and Waste Treatment Using Biocement. , 2009, , .		10
43	Applications of microorganisms to geotechnical engineering for bioclogging and biocementation of soil in situ. Reviews in Environmental Science and Biotechnology, 2008, 7, 139-153.	3.9	715
44	Starter culture of Pseudomonas veronii strain B for aerobic granulation. World Journal of Microbiology and Biotechnology, 2008, 24, 533-539.	1.7	16
45	Ukrainian dietary bakery product with selenium-enriched yeast. LWT - Food Science and Technology, 2008, 41, 890-895.	2.5	35
46	Physiological heterogeneity of suspended microbial aggregates. Water Science and Technology, 2008, 58, 2435-2441.	1.2	3
47	The effect of various iron hydroxide concentrations on the anaerobic fermentation of sulfate-containing model wastewater. Applied Biochemistry and Microbiology, 2006, 42, 284-288.	0.3	9
48	Aggregation of ammonia-oxidizing bacteria in microbial biofilm on oyster shell surface. World Journal of Microbiology and Biotechnology, 2006, 22, 807-812.	1.7	11
49	Bioaugmentation and enhanced formation of microbial granules used in aerobic wastewater treatment. Applied Microbiology and Biotechnology, 2006, 70, 374-381.	1.7	70
50	Quantification of methanogens by fluorescence in situ hybridization with oligonucleotide probe. Applied Microbiology and Biotechnology, 2006, 73, 696-702.	1.7	12
51	Chapter 7 Microorganisms of aerobic microbial granules. Waste Management Series, 2006, 6, 135-III.	0.0	2
52	Chapter 6 Structure of aerobically grown microbial granules. Waste Management Series, 2006, , 115-II.	0.0	7
53	Chapter 10 Seeds for aerobic microbial granules. Waste Management Series, 2006, , 213-VI.	0.0	3
54	Phosphate removal from the returned liquor of municipal wastewater treatment plant using iron-reducing bacteria. Journal of Applied Microbiology, 2005, 98, 1152-1161.	1.4	71

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55	The use of hybrid anaerobic solid-liquid (HASL) system for the treatment of lipid-containing food waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 455-461.	1.6	24
56	Influence of phenol on nitrification by microbial granules. <i>Process Biochemistry</i> , 2005, 40, 3285-3289.	1.8	53
57	Chemicals and Allied Products. <i>Water Environment Research</i> , 2005, 77, 1770-1828.	1.3	2
58	Denitrification of Drinking Water Using Biofilms Formed by <i>Paracoccus denitrificans</i> and Microbial Adhesion. <i>Environmental Engineering Science</i> , 2004, 21, 283-290.	0.8	12
59	Microbiological monitoring in the biodegradation of sewage sludge and food waste. <i>Journal of Applied Microbiology</i> , 2004, 96, 641-647.	1.4	31
60	Bacteriological examination of ballast water in Singapore Harbour by flow cytometry with FISH. <i>Marine Pollution Bulletin</i> , 2004, 49, 334-343.	2.3	41
61	Effect of Iron Hydroxide on Phosphate Removal during Anaerobic Digestion of Activated Sludge. <i>Applied Biochemistry and Microbiology</i> , 2004, 40, 376-380.	0.3	29
62	Intensive bioconversion of sewage sludge and food waste by <i>Bacillus thermoamylovorans</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 427-432.	1.7	18
63	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 527-533.	1.7	9
64	Size-effect on the physical characteristics of the aerobic granule in a SBR. <i>Applied Microbiology and Biotechnology</i> , 2003, 60, 687-695.	1.7	123
65	Flow cytometry and conventional enumeration of microorganisms in ships' ballast water and marine samples. <i>Marine Pollution Bulletin</i> , 2003, 46, 308-313.	2.3	25
66	Biomass and porosity profiles in microbial granules used for aerobic wastewater treatment. <i>Letters in Applied Microbiology</i> , 2003, 36, 297-301.	1.0	48
67	Intensive aerobic bioconversion of sewage sludge and food waste into fertiliser. <i>Waste Management and Research</i> , 2003, 21, 405-415.	2.2	24
68	Presence of Anaerobic Bacteroides in Aerobically Grown Microbial Granules. <i>Microbial Ecology</i> , 2002, 44, 278-285.	1.4	98
69	Specific layers in aerobically grown microbial granules. <i>Letters in Applied Microbiology</i> , 2002, 34, 254-257.	1.0	114
70	Effects of Iron Compounds on the Treatment of Fat-Containing Wastewaters. <i>Applied Biochemistry and Microbiology</i> , 2002, 38, 255-258.	0.3	32
71	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 583-589.	1.7	10
72	Number of Triplets in 16S rRNA Gene Related with Pathogenicity of <i>Bacillus</i> spp. and <i>Clostridium</i> spp.. <i>Journal of Theoretical Biology</i> , 2000, 205, 581-586.	0.8	1

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73	Title is missing!. World Journal of Microbiology and Biotechnology, 2000, 16, 425-430.	1.7	14
74	Labelled trinucleotides as quantitative probes to identify Bacillus spp. using fluorescent in situ hybridization. Molecular and Cellular Probes, 2000, 14, 89-93.	0.9	2
75	Taxon-specific Content of Oligonucleotide Triplets in 16S rRNAs of Anoxygenic Phototrophic and Nitrifying Bacteria. Journal of Theoretical Biology, 1999, 196, 289-296.	0.8	7
76	Biocement: Green Building- and Energy-Saving Material. Advanced Materials Research, 0, 347-353, 4051-4054.	0.3	3