Robert Armon

List of Publications by Year
in descending order

69 papers	2,100 citations	201385 27 h-index	243296 44 g-index
69 all docs	69 docs citations	69 times ranked	2564 citing authors

#	Article	IF	Citations
1	Monitoring of effluent DOM biodegradation using fluorescence, UV and DOC measurements. Chemosphere, 2006, 63, 530-539.	4.2	192
2	Cinnamon extractsâ€™ inhibitory effect on Helicobacter pylori. Journal of Ethnopharmacology, 1999, 67, 269-277.	2.0	119
3	Inhibition of biofilm formation on UF membrane by use of specific bacteriophages. Journal of Membrane Science, 2009, 342, 145-152.	4.1	93
4	Pitting corrosion of carbon steel caused by iron bacteria. International Biodeterioration and Biodegradation, 2001, 47, 79-87.	1.9	87
5	Enhanced inactivation of E. coli bacteria using immobilized porous TiO2 photoelectrocatalysis. Electrochimica Acta, 2009, 54, 3381-3386.	2.6	87
6	Electrochemical behaviour of stainless steels in media containing iron-oxidizing bacteria (IOB) by corrosion process modeling. Corrosion Science, 2008, 50, 540-547.	3.0	71
7	A modified m-CP medium for enumerating Clostridium perfringens from water samples. Canadian Journal of Microbiology, 1988, 34, 78-79.	0.8	70
8	A new sono-electrochemical method for enhanced detoxification of hydrophilic chloroorganic pollutants in water. Ultrasonics Sonochemistry, 2004, 11, 365-372.	3.8	67
9	Encapsulated Pseudomonas putida for phenol biodegradation: Use of a structural membrane for construction of a well-organized confined particle. Water Research, 2017, 121, 37-45.	5.3	65
10	Whole Cell Imprinting in Sol-Gel Thin Films for Bacterial Recognition in Liquids: Macromolecular Fingerprinting. International Journal of Molecular Sciences, 2010, 11, 1236-1252.	1.8	63
11	Groundwater denitrification using an upflow sludge blanket reactor. Water Research, 1994, 28, 631-637.	5.3	60
12	Microbial degradation of aromatic and polyaromatic toxic compounds adsorbed on powdered activated carbon. Journal of Biotechnology, 1996, 51, 265-272.	1.9	53
13	Concentration of Giardia lamblia cysts, Legionella pneumophila, Clostridium perfringens, human enteric viruses, and coliphages from large volumes of drinking water, using a single filtration. Canadian Journal of Microbiology, 1989, 35, 932-935.	0.8	51
14	Effect of suspended solids on wastewater disinfection efficiency by chlorine dioxide. Water Research, 1995, 29, 227-236.	5.3	51
15	Efficiency of phenol biodegradation by planktonic Pseudomonas pseudoalcaligenes (a constructed) Tj ETQq1 1 0.784314 rgBT /Overlo	5.3	48
16	Enhanced photo-efficiency of immobilized TiO2 catalyst via intense anodic bias. Electrochemistry Communications, 2007, 9, 1684-1688.	2.3	47
17	Identification of microbiologically influenced corrosion (MIC) in industrial equipment failures. Engineering Failure Analysis, 2007, 14, 1500-1511.	1.8	46
18	Photocatalytic inactivation of microorganisms using nanotubular TiO2. Applied Catalysis B: Environmental, 2011, 101, 212-219.	10.8	46

#	Article	IF	Citations
19	A simple, rapid and sensitive presence/absence detection test for bacteriophage in drinking water. Journal of Applied Bacteriology, 1993, 74, 490-496.	1.1	45
20	Diverse effects of ascorbic acid and palmitoyl ascorbate onHelicobacter pylorisurvival and growth. FEMS Microbiology Letters, 2003, 224, 247-253.	0.7	35
21	Virus removal by drinking water treatment processes. Critical Reviews in Environmental Control, 1989, 19, 15-31.	0.7	31
22	Tissue-derived cell growth on hybrid solâ€“gel films. Journal of Materials Chemistry, 2004, 14, 2200-2205.	6.7	31
23	Co-cultivation of microalgae and nitrifiers for higher biomass production and better carbon capture. Bioresource Technology, 2016, 220, 282-288.	4.8	31
24	Effect of iron exposure in SRB media on pitting initiation. Corrosion Science, 2000, 42, 345-359.	3.0	29
25	Photocatalytic inactivation of Flavobacterium and E. coli in water by a continuous stirred tank reactor (CSTR) fed with suspended/immobilised TiO2 medium. Water Science and Technology, 2008, 58, 247-252.	1.2	29
26	Microalgal CO2 sequestering â€“ Modeling microalgae production costs. Energy Conversion and Management, 2012, 58, 104-109.	4.4	28
27	Preparation of biodegradable xanthanâ€“glycerol hydrogel, foam, film, aerogel and xerogel at room temperature. Carbohydrate Polymers, 2016, 148, 243-250.	5.1	28
28	From the Titanic and other shipwrecks to biofilm prevention: The interesting role of polyphenol-protein complexes in biofilm inhibition. Science of the Total Environment, 2019, 658, 1098-1105.	3.9	27
29	Concentration of Simian Rotavirus SA-11 from Tap Water by Membrane FiltratiÃ²n and Organic Flocculation. Applied and Environmental Microbiology, 1983, 45, 850-855.	1.4	26
30	A highly efficient second-step concentration technique for bacteriophages and enteric viruses using ammonium sulfate and Tween 80. Canadian Journal of Microbiology, 1988, 34, 651-655.	0.8	25
31	Evaluation of a portable differential continuous flow centrifuge for concentration ofCryptosporidiumoocysts andGiardiacysts from water. Journal of Applied Microbiology, 1999, 86, 955-961.	1.4	25
32	Cross-linking xanthan and other compounds with glycerol. Food Hydrocolloids, 2015, 44, 129-135.	5.6	25
33	Combined Chemical-Biological Treatment for Prevention/Rehabilitation of Clogged Wells by an Iron-Oxidizing Bacterium. Environmental Science & Technology, 2010, 44, 3123-3129.	4.6	23
34	VOC Removal from Manure Gaseous Emissions with UV Photolysis and UV-TiO2 Photocatalysis. Catalysts, 2020, 10, 607.	1.6	23
35	Sol-gel applications in environmental biotechnology. Journal of Biotechnology, 1996, 51, 279-285.	1.9	22
36	Immobilizing Humic Acid in a Solâ^'Gel Matrix:Â A New Tool To Study Humic-Contaminants Sorption Interactions. Environmental Science & Technology, 2002, 36, 1054-1060.	4.6	21

#	Article	IF	Citations
37	Antioxidant properties of deferoxamine. JAOCS, Journal of the American Oil Chemists' Society, 1994, 71, 641-644.	0.8	20
38	A simple medium modification for isolation, growth and enumeration of Acidithiobacillus thiooxidans (syn. Thiobacillus thiooxidans) from water samples. Journal of Microbiological Methods, 2013, 92, 178-182.	0.7	20
39	Bacteriophage Monitoring in Drinking Water: Do They Fulfil the Index or Indicator Function?. Water Science and Technology, 1993, 27, 463-470.	1.2	19
40	Bacteriophage ecology in a small community sewer system related to their indicative role in sewage pollution of drinking water. Environmental Microbiology, 2007, 9, 2407-2416.	1.8	17
41	Removal of phenol in a constructed wetland system and the relative contribution of plant roots, microbial activity and porous bed. Water Science and Technology, 2010, 62, 1327-1334.	1.2	17
42	Improvement of water quality using constructed wetland systems. Reviews on Environmental Health, 2012, 27, 59-64.	1.1	16
43	Sol-Gel as Reaction Matrix for Bacterial Enzymatic Activity. Journal of Sol-Gel Science and Technology, 2000, 19, 289-292.	1.1	15
44	A peculiar cathodic process during iron and steel corrosion in sulfate reducing bacteria (SRB) media. Corrosion Science, 2010, 52, 1536-1540.	3.0	15
45	A Two-Phase Separation Method for Recovery of Cryptosporidium Oocysts from Soil Samples. Water, Air, and Soil Pollution, 2009, 203, 325-334.	1.1	13
46	Phage f2 desorption from clay in estuarine water using nonionic detergents, beef extract, and chaotropic agents. Canadian Journal of Microbiology, 1988, 34, 1022-1024.	0.8	12
47	Rust dissolution and removal by iron-reducing bacteria: A potential rehabilitation of rusted equipment. Corrosion Science, 2016, 102, 446-454.	3.0	12
48	Biochemical fingerprints of Legionella spp. by the BIOLOG system: presumptive identification of clinical and environmental isolates. Letters in Applied Microbiology, 1990, 11, 290-292.	1.0	11
49	A simple method for dehydrogenase activity visualization of intact plant roots grown in soilless culture using tetrazolium violet. Plant Root, 2010, 4, 12-16.	0.3	10
50	Soil Bacteria and Bacteriophages. Soil Biology, 2011, , 67-112.	0.6	10
51	TiO2 P-25 anatase rapid precipitation from water by use of struvite formation. Journal of Colloid and Interface Science, 2009, 336, 107-110.	5.0	9
52	Isolation of a Halotolerant Streptomyces sp. from a Constructed Wetland that Biodegrade Phenol and Various Biopolymers. Nihon Hosenkin Gakkai Shi = Actinomycetologica, 2010, 24, 31-38.	0.3	9
53	Performance comparison of plant root biofilm, gravel attached biofilm and planktonic microbial populations, in phenol removal within a constructed wetland wastewater treatment system. Water S A, 2016, 42, 166.	0.2	8
54	Facilitated enumeration of the silicate bacterium Paenibacillus mucilaginosus comb. nov. (formerly) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 growth medium. Folia Microbiologica, 2018, 63, 401-404.	1.1	7

#	Article	IF	Citations
55	A comparison of current methods of poliovirus concentration from tap water. Water Research, 1985, 19, 85-88.	5.3	6
56	Legionella pneumophila serogroup 3 prevalence in drinking water survey in Israel (2003â€“2007). Water Science and Technology: Water Supply, 2010, 10, 746-752.	1.0	6
57	The Fate of Cryptosporidium Parvum Oocysts in Reclaimed Water Irrigation-history and Non-history Soils Irrigated with Various Effluent Qualities. Water, Air, and Soil Pollution, 2007, 185, 33-41.	1.1	5
58	Field Evaluation of Colilert 3000 for Ground, Raw and Treated Surface Water and Comparison with Standard Membrane Filtration Method. Water, Air, and Soil Pollution, 2008, 188, 3-8.	1.1	5
59	A Hydroponic System for Growing Gnotobiotic Vs. Sterile Plants to Study Phytoremediation Processes. International Journal of Phytoremediation, 2014, 16, 267-274.	1.7	4
60	A transparent medium for isolation of Legionella pneumophia from environmental water sources. Journal of Microbiological Methods, 1990, 11, 65-71.	0.7	3
61	Electrophoretic applications of solâ€“gel matrices. Ceramics International, 2008, 34, 1443-1448.	2.3	3
62	Aspects of carbon dioxide mitigation in a closed microalgae photo-bioreactor supplied with flue gas. International Journal of Environment and Pollution, 2017, 62, 1.	0.2	3
63	Preparing Xanthanâ€Chitosan Composites in Glycerol. ChemistrySelect, 2019, 4, 6451-6457.	0.7	2
64	Pig erythrocyte ghost cells used for concentration of enteric viruses from experimentally contaminated clinical specimens. Journal of Medical Virology, 1989, 29, 256-260.	2.5	1
65	The Role of Sulfides in Iron Activation in Chloride-Containing Solutions. Electrochemical and Solid-State Letters, 1999, 2, 265.	2.2	1
66	Solâ€“gel-based poliovirus-1 detector. Journal of Virological Methods, 2009, 155, 132-135.	1.0	1
67	The quality of drinking water stored in canteens of field soldiers as a potential source of enteric diseases. Journal of Water and Health, 2010, 8, 236-246.	1.1	0
68	Bacteriophage Application and Biological Safety (or How Should I Train My Dog Not to Bite Me). , 2020, , 309-333.		0
69	Reduction of Infectious <i>Cryptosporidium</i> and Microbial Indicators in Wastewater Effluents by Disinfection with UV Irradiation or Chlorine. Journal of Water Resource and Protection, 2022, 14, 407-418.	0.3	0