

Robert Armon

List of Publications by Year in descending order

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69
papers

2,100
citations

201575

27
h-index

243529

44
g-index

69
all docs

69
docs citations

69
times ranked

2564
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of Infectious <i>Cryptosporidium</i> and Microbial Indicators in Wastewater Effluents by Disinfection with UV Irradiation or Chlorine. <i>Journal of Water Resource and Protection</i> , 2022, 14, 407-418.	0.3	0
2	VOC Removal from Manure Gaseous Emissions with UV Photolysis and UV-TiO2 Photocatalysis. <i>Catalysts</i> , 2020, 10, 607.	1.6	23
3	Bacteriophage Application and Biological Safety (or How Should I Train My Dog Not to Bite Me). , 2020, , 309-333.		0
4	Preparing Xanthanâ€Chitosan Composites in Glycerol. <i>ChemistrySelect</i> , 2019, 4, 6451-6457.	0.7	2
5	From the Titanic and other shipwrecks to biofilm prevention: The interesting role of polyphenol-protein complexes in biofilm inhibition. <i>Science of the Total Environment</i> , 2019, 658, 1098-1105.	3.9	27
6	Facilitated enumeration of the silicate bacterium <i>Paenibacillus mucilaginosus</i> comb. nov. (formerly) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> growth medium. <i>Folia Microbiologica</i> , 2018, 63, 401-404.	1.1	7
7	Encapsulated <i>Pseudomonas putida</i> for phenol biodegradation: Use of a structural membrane for construction of a well-organized confined particle. <i>Water Research</i> , 2017, 121, 37-45.	5.3	65
8	Aspects of carbon dioxide mitigation in a closed microalgae photo-bioreactor supplied with flue gas. <i>International Journal of Environment and Pollution</i> , 2017, 62, 1.	0.2	3
9	Performance comparison of plant root biofilm, gravel attached biofilm and planktonic microbial populations, in phenol removal within a constructed wetland wastewater treatment system. <i>Water S A</i> , 2016, 42, 166.	0.2	8
10	Preparation of biodegradable xanthanâ€glycerol hydrogel, foam, film, aerogel and xerogel at room temperature. <i>Carbohydrate Polymers</i> , 2016, 148, 243-250.	5.1	28
11	Co-cultivation of microalgae and nitrifiers for higher biomass production and better carbon capture. <i>Bioresource Technology</i> , 2016, 220, 282-288.	4.8	31
12	Rust dissolution and removal by iron-reducing bacteria: A potential rehabilitation of rusted equipment. <i>Corrosion Science</i> , 2016, 102, 446-454.	3.0	12
13	Cross-linking xanthan and other compounds with glycerol. <i>Food Hydrocolloids</i> , 2015, 44, 129-135.	5.6	25
14	A Hydroponic System for Growing Gnotobiotic Vs. Sterile Plants to Study Phytoremediation Processes. <i>International Journal of Phytoremediation</i> , 2014, 16, 267-274.	1.7	4
15	A simple medium modification for isolation, growth and enumeration of <i>Acidithiobacillus thiooxidans</i> (syn. <i>Thiobacillus thiooxidans</i>) from water samples. <i>Journal of Microbiological Methods</i> , 2013, 92, 178-182.	0.7	20
16	Improvement of water quality using constructed wetland systems. <i>Reviews on Environmental Health</i> , 2012, 27, 59-64.	1.1	16
17	Microalgal CO2 sequestering â€ Modeling microalgae production costs. <i>Energy Conversion and Management</i> , 2012, 58, 104-109.	4.4	28
18	Photocatalytic inactivation of microorganisms using nanotubular TiO2. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 212-219.	10.8	46

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19	Soil Bacteria and Bacteriophages. <i>Soil Biology</i> , 2011, , 67-112.	0.6	10
20	Removal of phenol in a constructed wetland system and the relative contribution of plant roots, microbial activity and porous bed. <i>Water Science and Technology</i> , 2010, 62, 1327-1334.	1.2	17
21	Isolation of a Halotolerant <i>Streptomyces</i> sp. from a Constructed Wetland that Biodegrade Phenol and Various Biopolymers. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2010, 24, 31-38.	0.3	9
22	A simple method for dehydrogenase activity visualization of intact plant roots grown in soilless culture using tetrazolium violet. <i>Plant Root</i> , 2010, 4, 12-16.	0.3	10
23	The quality of drinking water stored in canteens of field soldiers as a potential source of enteric diseases. <i>Journal of Water and Health</i> , 2010, 8, 236-246.	1.1	0
24	Whole Cell Imprinting in Sol-Gel Thin Films for Bacterial Recognition in Liquids: Macromolecular Fingerprinting. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1236-1252.	1.8	63
25	Combined Chemical-Biological Treatment for Prevention/Rehabilitation of Clogged Wells by an Iron-Oxidizing Bacterium. <i>Environmental Science & Technology</i> , 2010, 44, 3123-3129.	4.6	23
26	A peculiar cathodic process during iron and steel corrosion in sulfate reducing bacteria (SRB) media. <i>Corrosion Science</i> , 2010, 52, 1536-1540.	3.0	15
27	Efficiency of phenol biodegradation by planktonic <i>Pseudomonas pseudoalcaligenes</i> (a constructed) Tj ETQq1 1 0.784314 rgBT/Overlo 5.3 48	5.3	48
28	<i>Legionella pneumophila</i> serogroup 3 prevalence in drinking water survey in Israel (2003â€“2007). <i>Water Science and Technology: Water Supply</i> , 2010, 10, 746-752.	1.0	6
29	Solâ€“gel-based poliovirus-1 detector. <i>Journal of Virological Methods</i> , 2009, 155, 132-135.	1.0	1
30	A Two-Phase Separation Method for Recovery of <i>Cryptosporidium</i> Oocysts from Soil Samples. <i>Water, Air, and Soil Pollution</i> , 2009, 203, 325-334.	1.1	13
31	Enhanced inactivation of <i>E. coli</i> bacteria using immobilized porous TiO ₂ photoelectrocatalysis. <i>Electrochimica Acta</i> , 2009, 54, 3381-3386.	2.6	87
32	Inhibition of biofilm formation on UF membrane by use of specific bacteriophages. <i>Journal of Membrane Science</i> , 2009, 342, 145-152.	4.1	93
33	TiO ₂ P-25 anatase rapid precipitation from water by use of struvite formation. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 107-110.	5.0	9
34	Field Evaluation of Colilert 3000 for Ground, Raw and Treated Surface Water and Comparison with Standard Membrane Filtration Method. <i>Water, Air, and Soil Pollution</i> , 2008, 188, 3-8.	1.1	5
35	Electrophoretic applications of solâ€“gel matrices. <i>Ceramics International</i> , 2008, 34, 1443-1448.	2.3	3
36	Electrochemical behaviour of stainless steels in media containing iron-oxidizing bacteria (IOB) by corrosion process modeling. <i>Corrosion Science</i> , 2008, 50, 540-547.	3.0	71

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37	Photocatalytic inactivation of <i>Flavobacterium</i> and <i>E. coli</i> in water by a continuous stirred tank reactor (CSTR) fed with suspended/immobilised TiO ₂ medium. <i>Water Science and Technology</i> , 2008, 58, 247-252.	1.2	29
38	Enhanced photo-efficiency of immobilized TiO ₂ catalyst via intense anodic bias. <i>Electrochemistry Communications</i> , 2007, 9, 1684-1688.	2.3	47
39	Identification of microbiologically influenced corrosion (MIC) in industrial equipment failures. <i>Engineering Failure Analysis</i> , 2007, 14, 1500-1511.	1.8	46
40	Bacteriophage ecology in a small community sewer system related to their indicative role in sewage pollution of drinking water. <i>Environmental Microbiology</i> , 2007, 9, 2407-2416.	1.8	17
41	The Fate of <i>Cryptosporidium Parvum</i> Oocysts in Reclaimed Water Irrigation-history and Non-history Soils Irrigated with Various Effluent Qualities. <i>Water, Air, and Soil Pollution</i> , 2007, 185, 33-41.	1.1	5
42	Monitoring of effluent DOM biodegradation using fluorescence, UV and DOC measurements. <i>Chemosphere</i> , 2006, 63, 530-539.	4.2	192
43	A new sono-electrochemical method for enhanced detoxification of hydrophilic chloroorganic pollutants in water. <i>Ultrasonics Sonochemistry</i> , 2004, 11, 365-372.	3.8	67
44	Tissue-derived cell growth on hybrid sol-gel films. <i>Journal of Materials Chemistry</i> , 2004, 14, 2200-2205.	6.7	31
45	Diverse effects of ascorbic acid and palmitoyl ascorbate on <i>Helicobacter pylori</i> survival and growth. <i>FEMS Microbiology Letters</i> , 2003, 224, 247-253.	0.7	35
46	Immobilizing Humic Acid in a Sol-gel Matrix: A New Tool To Study Humic-Contaminants Sorption Interactions. <i>Environmental Science & Technology</i> , 2002, 36, 1054-1060.	4.6	21
47	Pitting corrosion of carbon steel caused by iron bacteria. <i>International Biodeterioration and Biodegradation</i> , 2001, 47, 79-87.	1.9	87
48	Sol-Gel as Reaction Matrix for Bacterial Enzymatic Activity. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 289-292.	1.1	15
49	Effect of iron exposure in SRB media on pitting initiation. <i>Corrosion Science</i> , 2000, 42, 345-359.	3.0	29
50	Evaluation of a portable differential continuous flow centrifuge for concentration of <i>Cryptosporidium</i> oocysts and <i>Giardia</i> cysts from water. <i>Journal of Applied Microbiology</i> , 1999, 86, 955-961.	1.4	25
51	Cinnamon extracts™ inhibitory effect on <i>Helicobacter pylori</i> . <i>Journal of Ethnopharmacology</i> , 1999, 67, 269-277.	2.0	119
52	The Role of Sulfides in Iron Activation in Chloride-Containing Solutions. <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 265.	2.2	1
53	Microbial degradation of aromatic and polyaromatic toxic compounds adsorbed on powdered activated carbon. <i>Journal of Biotechnology</i> , 1996, 51, 265-272.	1.9	53
54	Sol-gel applications in environmental biotechnology. <i>Journal of Biotechnology</i> , 1996, 51, 279-285.	1.9	22

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55	Effect of suspended solids on wastewater disinfection efficiency by chlorine dioxide. <i>Water Research</i> , 1995, 29, 227-236.	5.3	51
56	Antioxidant properties of deferoxamine. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1994, 71, 641-644.	0.8	20
57	Groundwater denitrification using an upflow sludge blanket reactor. <i>Water Research</i> , 1994, 28, 631-637.	5.3	60
58	A simple, rapid and sensitive presence/absence detection test for bacteriophage in drinking water. <i>Journal of Applied Bacteriology</i> , 1993, 74, 490-496.	1.1	45
59	Bacteriophage Monitoring in Drinking Water: Do They Fulfil the Index or Indicator Function?. <i>Water Science and Technology</i> , 1993, 27, 463-470.	1.2	19
60	A transparent medium for isolation of <i>Legionella pneumophila</i> from environmental water sources. <i>Journal of Microbiological Methods</i> , 1990, 11, 65-71.	0.7	3
61	Biochemical fingerprints of <i>Legionella</i> spp. by the BIOLOG system: presumptive identification of clinical and environmental isolates. <i>Letters in Applied Microbiology</i> , 1990, 11, 290-292.	1.0	11
62	Virus removal by drinking water treatment processes. <i>Critical Reviews in Environmental Control</i> , 1989, 19, 15-31.	0.7	31
63	Pig erythrocyte ghost cells used for concentration of enteric viruses from experimentally contaminated clinical specimens. <i>Journal of Medical Virology</i> , 1989, 29, 256-260.	2.5	1
64	Concentration of <i>Giardia lamblia</i> cysts, <i>Legionella pneumophila</i> , <i>Clostridium perfringens</i> , human enteric viruses, and coliphages from large volumes of drinking water, using a single filtration. <i>Canadian Journal of Microbiology</i> , 1989, 35, 932-935.	0.8	51
65	A highly efficient second-step concentration technique for bacteriophages and enteric viruses using ammonium sulfate and Tween 80. <i>Canadian Journal of Microbiology</i> , 1988, 34, 651-655.	0.8	25
66	Phage f2 desorption from clay in estuarine water using nonionic detergents, beef extract, and chaotropic agents. <i>Canadian Journal of Microbiology</i> , 1988, 34, 1022-1024.	0.8	12
67	A modified m-CP medium for enumerating <i>Clostridium perfringens</i> from water samples. <i>Canadian Journal of Microbiology</i> , 1988, 34, 78-79.	0.8	70
68	A comparison of current methods of poliovirus concentration from tap water. <i>Water Research</i> , 1985, 19, 85-88.	5.3	6
69	Concentration of Simian Rotavirus SA-11 from Tap Water by Membrane Filtration and Organic Flocculation. <i>Applied and Environmental Microbiology</i> , 1983, 45, 850-855.	1.4	26