Nicolas Kalogerakis

List of Publications by Year
in descending order

225	12,651	19608 61	30010 103
papers	citations	h-index	g-index

234	234	234	11024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetics of formation of methane and ethane gas hydrates. Chemical Engineering Science, 1987, 42, 2647-2658.	1.9	658
2	Developments in liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2003, 22, 565-574.	5.8	548
3	Developments in single-drop microextraction. TrAC - Trends in Analytical Chemistry, 2002, 21, 54-64.	5.8	342
4	Vortex-assisted liquidâ€“liquid microextraction of octylphenol, nonylphenol and bisphenol-A. Talanta, 2010, 80, 2057-2062.	2.9	303
5	Treatment of olive mill effluents. Environment International, 2005, 31, 289-295.	4.8	259
6	Kinetics of gas hydrate formation from mixtures of methane and ethane. Chemical Engineering Science, 1987, 42, 2659-2666.	1.9	240
7	Hollow-fibre liquid-phase microextraction of phthalate esters from water. Journal of Chromatography A, 2003, 999, 145-153.	1.8	230
8	Induction phenomena in gas hydrate nucleation. Chemical Engineering Science, 1994, 49, 2075-2087.	1.9	216
9	Electrochemical treatment of textile dyes and dyehouse effluents. Journal of Hazardous Materials, 2006, 137, 998-1007.	6.5	208
10	Application of solvent microextraction to the analysis of nitroaromatic explosives in water samples. Journal of Chromatography A, 2001, 907, 211-219.	1.8	206
11	Microplastics Generation: Onset of Fragmentation of Polyethylene Films in Marine Environment Mesocosms. Frontiers in Marine Science, 2017, 4, .	1.2	189
12	Electrochemical oxidation of olive oil mill wastewaters. Water Research, 2005, 39, 4177-4187.	5.3	188
13	Halophytes Present New Opportunities in Phytoremediation of Heavy Metals and Saline Soils. Industrial & Engineering Chemistry Research, 2011, 50, 656-660.	1.8	188
14	Interactions between microplastics and organic pollutants: Effects on toxicity, bioaccumulation, degradation, and transport. Science of the Total Environment, 2020, 748, 142427.	3.9	183
15	Equilibrium conditions for methane hydrate formation in aqueous mixed electrolyte solutions. Canadian Journal of Chemical Engineering, 1991, 69, 800-805.	0.9	178
16	Halophytesâ€”An Emerging Trend in Phytoremediation. International Journal of Phytoremediation, 2011, 13, 959-969.	1.7	175
17	Solubilities of carbon dioxide in water and 1 wt. % sodium chloride solution at pressures up to 10 MPa and temperatures from 80 to 200.degree.C. Journal of Chemical & Engineering Data, 1989, 34, 355-360.	1.0	172
18	Phytoextraction of Pb and Cd by the Mediterranean saltbush (Atriplex halimus L.): metal uptake in relation to salinity. Environmental Science and Pollution Research, 2009, 16, 844-854.	2.7	167

#	Article	IF	Citations
19	Valorisation of agroâ€industrial byâ€products, effluents and waste: concept, opportunities and the case of olive mill wastewaters. Journal of Chemical Technology and Biotechnology, 2009, 84, 895-900.	1.6	161
20	Treatment of olive mill effluents. Environment International, 2005, 31, 297-304.	4.8	158
21	Biotechnologies for Marine Oil Spill Cleanup: Indissoluble Ties with Microorganisms. Trends in Biotechnology, 2017, 35, 860-870.	4.9	158
22	Solid-phase microextraction versus single-drop microextraction for the analysis of nitroaromatic explosives in water samples. Journal of Chromatography A, 2001, 938, 113-120.	1.8	155
23	Indoor air qualityâ€”bioaerosol measurements in domestic and office premises. Journal of Aerosol Science, 2005, 36, 751-761.	1.8	147
24	Degradation of sodium dodecylbenzene sulfonate in water by ultrasonic irradiation. Water Research, 2004, 38, 3751-3759.	5.3	137
25	Biosurfactant production from marine hydrocarbon-degrading consortia and pure bacterial strains using crude oil as carbon source. Frontiers in Microbiology, 2015, 06, 274.	1.5	132
26	Equilibrium conditions for carbon dioxide hydrate formation in aqueous electrolyte solutions. Journal of Chemical & Engineering Data, 1993, 38, 650-654.	1.0	131
27	Phytoextraction and phytoexcretion of Cd by the leaves of Tamarix smyrnensis growing on contaminated non-saline and saline soils. Environmental Research, 2008, 106, 326-332.	3.7	122
28	Biodegradation of weathered polystyrene films in seawater microcosms. Scientific Reports, 2017, 7, 17991.	1.6	121
29	Photocatalytic and sonolytic oxidation of acid orange 7 in aqueous solution. Applied Catalysis B: Environmental, 2006, 62, 159-168.	10.8	116
30	Evaluation of autochthonous bioaugmentation and biostimulation during microcosm-simulated oil spills. Marine Pollution Bulletin, 2013, 72, 165-173.	2.3	116
31	Constructed wetlands treating highway runoff in the central Mediterranean region. Chemosphere, 2008, 72, 141-149.	4.2	112
32	Single-drop microextraction for the analysis of organophosphorous insecticides in water. Analytica Chimica Acta, 2004, 516, 205-211.	2.6	111
33	Enhanced bioremediation of crude oil utilizing lipophilic fertilizers combined with biosurfactants and molasses. Marine Pollution Bulletin, 2008, 56, 1855-1861.	2.3	107
34	Monitoring the sonochemical degradation of phthalate esters in water using solid-phase microextraction. Chemosphere, 2004, 54, 849-857.	4.2	106
35	Pathways regulating the removal of nitrogen in planted and unplanted subsurface flow constructed wetlands. Water Research, 2016, 102, 321-329.	5.3	106
36	Enhanced ex situ bioremediation of crude oil contaminated beach sand by supplementation with nutrients and rhamnolipids. Marine Pollution Bulletin, 2013, 77, 37-44.	2.3	99

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37	Biostimulation strategies for fresh and chronically polluted marine environments with petroleum hydrocarbons. Journal of Chemical Technology and Biotechnology, 2009, 84, 802-807.	1.6	98
38	In situ groundwater and sediment bioremediation: barriers and perspectives at European contaminated sites. New Biotechnology, 2015, 32, 133-146.	2.4	95
39	Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples. Journal of Chromatography A, 2005, 1089, 25-30.	1.8	93
40	Degradation of polycyclic aromatic hydrocarbons in aqueous solutions by ultrasonic irradiation. Journal of Hazardous Materials, 2004, 108, 95-102.	6.5	92
41	Analysis of polycyclic aromatic hydrocarbons in wastewater treatment plant effluents using hollow fibre liquid-phase microextraction. Chemosphere, 2005, 60, 690-698.	4.2	92
42	A carbon-14 radiotracer-based study on the phototransformation of polystyrene nanoplastics in water versus in air. Environmental Science: Nano, 2019, 6, 2907-2917.	2.2	92
43	Disinfection of water and wastewater by TiO2 photocatalysis, sonolysis and UV-C irradiation. Catalysis Today, 2007, 129, 136-142.	2.2	91
44	Bacterial population and biodegradation potential in chronically crude oil-contaminated marine sediments are strongly linked to temperature. Scientific Reports, 2015, 5, 11651.	1.6	91
45	Biodegradation of mixture of plastic films by tailored marine consortia. Journal of Hazardous Materials, 2019, 375, 33-42.	6.5	91
46	A method for the simultaneous phase equilibria and stability calculations for multiphase reacting and non-reacting systems. Fluid Phase Equilibria, 1991, 63, 65-89.	1.4	89
47	Sonochemical degradation of triclosan in water and wastewater. Ultrasonics Sonochemistry, 2008, 15, 689-694.	3.8	89
48	Modelling the internal flow structure of circulating fluidized beds. Canadian Journal of Chemical Engineering, 1989, 67, 1010-1014.	0.9	84
49	Recovery of antioxidants from olive mill wastewaters: A viable solution that promotes their overall sustainable management. Journal of Environmental Management, 2013, 128, 749-758.	3.8	84
50	Development of tailored indigenous marine consortia for the degradation of naturally weathered polyethylene films. PLoS ONE, 2017, 12, e0183984.	1.1	82
51	Modelling of decomposition of a synthetic core of methane gas hydrate by coupling intrinsic kinetics with heat transfer rates. Canadian Journal of Chemical Engineering, 1989, 67, 948-954.	0.9	81
52	Exploitation of Endophytic Bacteria to Enhance the Phytoremediation Potential of the Wetland Helophyte Juncus acutus. Frontiers in Microbiology, 2016, 07, 1016.	1.5	77
53	Vacuum-assisted headspace solid phase microextraction: Improved extraction of semivolatiles by non-equilibrium headspace sampling under reduced pressure conditions. Analytica Chimica Acta, 2012, 742, 30-36.	2.6	76
54	Anodic oxidation of phenol on Ti/IrO2 electrode: Experimental studies. Catalysis Today, 2010, 151, 185-189.	2.2	73

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55	Effect of Surfactants on Hydrate Formation Kinetics. , 1993, , .		72
56	Plastic pellets, meso- and microplastics on the coastline of Northern Crete: Distribution and organic pollution. Marine Pollution Bulletin, 2018, 133, 578-589.	2.3	72
57	Olive mill wastewater irrigation of maize: Impacts on soil and groundwater. Agricultural Water Management, 2011, 98, 1125-1132.	2.4	71
58	Pb and Cd Accumulation and Phyto-Excretion by Salt Cedar (Tamarix SmyrnensisBunge). International Journal of Phytoremediation, 2008, 10, 31-46.	1.7	69
59	Hydrate plugging problems in undersea natural gas pipelines under shutdown conditions. Journal of Petroleum Science and Engineering, 1991, 5, 323-335.	2.1	68
60	Interactions of microplastics, antibiotics and antibiotic resistant genes within WWTPs. Science of the Total Environment, 2022, 804, 150141.	3.9	67
61	Development of a hollow fibre liquid phase microextraction method to monitor the sonochemical degradation of explosives in water. Analytica Chimica Acta, 2004, 501, 3-10.	2.6	66
62	Development of the optimal inoculation conditions for microcarrier cultures. Biotechnology and Bioengineering, 1992, 39, 305-313.	1.7	65
63	Bacterial community dynamics during in-situ bioremediation of petroleum waste sludge in landfarming sites. Biodegradation, 2005, 16, 169-180.	1.5	61
64	Pilot-scale comparison of constructed wetlands operated under high hydraulic loading rates and attached biofilm reactors for domestic wastewater treatment. Science of the Total Environment, 2009, 407, 2996-3003.	3.9	60
65	Origin and mobility of hexavalent chromium in North-Eastern Attica, Greece. Applied Geochemistry, 2012, 27, 1170-1178.	1.4	60
66	Sonolysis of natural phenolic compounds in aqueous solutions: degradation pathways and biodegradability. Water Research, 2004, 38, 3110-3118.	5.3	58
67	Sequential coagulationâ€“flocculation, solvent extraction and photo-Fenton oxidation for the valorization and treatment of olive mill effluent. Chemical Engineering Journal, 2013, 224, 82-88.	6.6	58
68	Kinetics of methane hydrate formation in aqueous electrolyte solutions. Canadian Journal of Chemical Engineering, 1993, 71, 68-74.	0.9	57
69	Removal of polycyclic aromatic hydrocarbons and linear alkylbenzene sulfonates from domestic wastewater in pilot constructed wetlands and a gravel filter. Ecological Engineering, 2009, 35, 1702-1709.	1.6	56
70	Evaluation of a constructed wetland for wastewater treatment: Addressing emerging organic contaminants and antibiotic resistant bacteria. New Biotechnology, 2019, 52, 94-103.	2.4	55
71	Effect of Henry's law constant and operating parameters on vacuum-assisted headspace solid phase microextraction. Journal of Chromatography A, 2012, 1244, 55-60.	1.8	54
72	Vacuum-assisted headspace solid phase microextraction of polycyclic aromatic hydrocarbons in solid samples. Analytica Chimica Acta, 2015, 890, 108-116.	2.6	54

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73	A novel dielectrophoresis-based device for the selective retention of viable cells in cell culture media. , 1997, 54, 239-250.		53
74	A two-stage bioreactor system for the production of recombinant proteins using a genetically engineered baculovirus/insect cell system. Biotechnology and Bioengineering, 1993, 42, 357-366.	1.7	52
75	Allochthonous bioaugmentation in ex situ treatment of crude oil-polluted sediments in the presence of an effective degrading indigenous microbiome. Journal of Hazardous Materials, 2015, 287, 78-86.	6.5	52
76	Mitigation measures for chromium-VI contaminated groundwater â€“ The role of endophytic bacteria in rhizofiltration. Journal of Hazardous Materials, 2015, 281, 114-120.	6.5	52
77	Effects of Municipal Solid Waste Compost on Soil Properties and Vegetables Growth. Compost Science and Utilization, 2014, 22, 116-131.	1.2	50
78	Juncus spp.â€”The helophyte for all (phyto)remediation purposes?. New Biotechnology, 2017, 38, 43-55.	2.4	49
79	Water framework directive implementation in Greece: Introducing participation in water governance â€“ the Case of the Evrotas River Basin management plan. Environmental Policy and Governance, 2010, 20, 336-349.	2.1	48
80	Bioconversion of oleuropein to hydroxytyrosol by lactic acid bacteria. World Journal of Microbiology and Biotechnology, 2012, 28, 2435-2440.	1.7	48
81	The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. New Biotechnology, 2015, 32, 157-167.	2.4	48
82	Characterization and mobility of geogenic chromium in soils and river bed sediments of Asopos basin. Journal of Hazardous Materials, 2015, 281, 12-19.	6.5	48
83	Multiphase equilibrium flash calculations for systems containing gas hydrates. Fluid Phase Equilibria, 1989, 53, 97-104.	1.4	47
84	Enhanced bioremediation of crude oil utilizing lipophilic fertilizers. Desalination, 2007, 211, 286-295.	4.0	46
85	Hollow-fibre liquid-phase microextraction: A simple and fast cleanup step used for PAHs determination in pine needles. Analytica Chimica Acta, 2008, 618, 70-78.	2.6	46
86	Dispersion of Odorous Gaseous Compounds Emitted from Wastewater Treatment Plants. Water, Air, and Soil Pollution, 2011, 215, 667-677.	1.1	46
87	Single stage treatment of saline wastewater with marine bacterialâ€“microalgae consortia in a fixed-bed photobioreactor. Journal of Hazardous Materials, 2015, 292, 155-163.	6.5	46
88	The effect of specific growth rate and death rate on monoclonal antibody production in hybridoma chemostat cultures. Canadian Journal of Chemical Engineering, 1991, 69, 429-438.	0.9	45
89	Cell cycle model for growth rate and death rate in continuous suspension hybridoma cultures. Biotechnology and Bioengineering, 1992, 40, 359-368.	1.7	45
90	Bisphenol-A removal by the halophyte Juncus acutus in a phytoremediation pilot: Characterization and potential role of the endophytic community. Journal of Hazardous Materials, 2017, 323, 350-358.	6.5	45

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91	Dielectrophoretic forces can be safely used to retain viable cells in perfusion cultures of animal cells. Cytotechnology, 1999, 30, 133-142.	0.7	44
92	The role of halophyte Juncus acutus L. in the remediation of mixed contamination in a hydroponic greenhouse experiment. Journal of Chemical Technology and Biotechnology, 2016, 91, 1665-1674.	1.6	43
93	A dynamic slip velocity model for molten polymers based on a network kinetic theory. Rheologica Acta, 1994, 33, 38-47.	1.1	41
94	Downsizing vacuum-assisted headspace solid phase microextraction. Journal of Chromatography A, 2013, 1300, 119-126.	1.8	40
95	Sonochemical reduction of the antioxidant activity of olive mill wastewater. Environment International, 2005, 31, 281-287.	4.8	38
96	Ozonation of weathered olive mill wastewaters. Journal of Chemical Technology and Biotechnology, 2006, 81, 1570-1576.	1.6	38
97	Microcosm evaluation of autochthonous bioaugmentation to combat marine oil spills. New Biotechnology, 2013, 30, 734-742.	2.4	38
98	Integrated technological and management solutions for wastewater treatment and efficient agricultural reuse in Egypt, Morocco, and Tunisia. Integrated Environmental Assessment and Management, 2018, 14, 447-462.	1.6	38
99	Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. Water Research, 2019, 157, 381-395.	5.3	38
100	Sinking characteristics of microplastics in the marine environment. Science of the Total Environment, 2021, 793, 148526.	3.9	38
101	Kinetic data for the BM-5 insect cell line in repeated-batch suspension cultures. Biotechnology and Bioengineering, 1991, 38, 116-126.	1.7	37
102	Influence of salinity on lead and cadmium accumulation by the salt cedar (Tamarix smyrnensis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	35
103	Responses of the Endophytic Bacterial Communities of Juncus acutus to Pollution With Metals, Emerging Organic Pollutants and to Bioaugmentation With Indigenous Strains. Frontiers in Plant Science, 2018, 9, 1526.	1.7	35
104	A cellular automaton model for microcarrier cultures. Biotechnology and Bioengineering, 1994, 43, 90-100.	1.7	34
105	Monitoring the fluidization characteristics of polyolefin resins using X-ray Computer Assisted Tomography scanning. Chemical Engineering Science, 1996, 51, 1979-1990.	1.9	34
106	Measurements of particulate matter concentrations at a landfill site (Crete, Greece). Waste Management, 2010, 30, 2058-2064.	3.7	34
107	Metal Phytoremediation by the HalophyteLimoniastrum monopetalum(L.) Boiss: Two Contrasting Ecotypes. International Journal of Phytoremediation, 2014, 16, 755-769.	1.7	34
108	Disinfection applications of ozone micro- and nanobubbles. Environmental Science: Nano, 2021, 8, 3493-3510.	2.2	34

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109	Formation and decomposition of gas hydrates of natural gas components. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1990, 8, 89-101.	1.6	33
110	Solid-phase microextraction to monitor the sonochemical degradation of polycyclic aromatic hydrocarbons in water. Journal of Environmental Monitoring, 2003, 5, 135-140.	2.1	33
111	Physico-chemical characterization of indoor/outdoor particulate matter in two residential houses in Oslo, Norway: measurements overview and physical properties - URBAN-AEROSOL Project. Indoor Air, 2006, 16, 282-295.	2.0	33
112	Lead accumulation from non-saline and saline environment by Tamarix smyrnensis Bunge. European Journal of Soil Biology, 2007, 43, 216-223.	1.4	32
113	Bioremediation of Southern Mediterranean oil polluted sites comes of age. New Biotechnology, 2013, 30, 743-748.	2.4	32
114	Bioremediation advances. New Biotechnology, 2017, 38, 41-42.	2.4	31
115	Monoclonal antibody production in dialyzed continuous suspension culture. Biotechnology and Bioengineering, 1992, 39, 504-510.	1.7	30
116	Hydrodynamics of liquid fluidized beds including the distributor region. Chemical Engineering Science, 1992, 47, 4155-4166.	1.9	30
117	Quantification of channelling in polyethylene resin fluid beds using X-ray computer assisted tomography (CAT). Chemical Engineering Science, 1997, 52, 2023-2035.	1.9	30
118	The effect of solids on the electrochemical treatment of olive mill effluents. Journal of Chemical Technology and Biotechnology, 2007, 82, 504-511.	1.6	30
119	Toxicity bioassays in core sediments from the Bay of Santander, northern Spain. Environmental Research, 2008, 106, 304-312.	3.7	29
120	Use of halophytes in pilot-scale horizontal flow constructed wetland treating domestic wastewater. Environmental Science and Pollution Research, 2017, 24, 16682-16689.	2.7	29
121	Root Bacteria Recruited by Phragmites australis in Constructed Wetlands Have the Potential to Enhance Azo-Dye Phytodepuration. Microorganisms, 2019, 7, 384.	1.6	28
122	Optimization of the physiochemical parameters for the culture of Bombyx mori insect cells used in recombinant protein production. Journal of Biotechnology, 1994, 33, 249-258.	1.9	26
123	Design and testing of a new sampler for simplified vacuum-assisted headspace solid-phase microextraction. Analytica Chimica Acta, 2016, 927, 46-54.	2.6	26
124	Biostimulation Strategies for Enhanced Bioremediation of Marine Oil Spills Including Chronic Pollution. , 2010, , 2521-2529.		25
125	Use of green roofs for greywater treatment: Role of substrate, depth, plants, and recirculation. Science of the Total Environment, 2022, 807, 151004.	3.9	25
126	Investigation of reduced serum and serum-free media for the cultivation of insect cells (Bm5) and the production of baculovirus (BmNPV). Biotechnology and Bioengineering, 1992, 40, 1165-1172.	1.7	24

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127	Photolysis of 2,4-dinitrotoluene in various water solutions: effect of dissolved species. Journal of Hazardous Materials, 2007, 146, 535-539.	6.5	24
128	Improvement of Gauss-Newton method for parameter estimation through the use of information index. Industrial & Engineering Chemistry Fundamentals, 1983, 22, 436-445.	0.7	23
129	Dynamic modelling of mass transfer phenomena with chemical reaction in immobilized-enzyme bioreactors. Chemical Engineering Science, 1988, 43, 1489-1498.	1.9	23
130	Estimation of multiple binary interaction parameters in equations of state using VLE data. application to the Trebble-Bishnoi equation of state. Fluid Phase Equilibria, 1990, 58, 117-132.	1.4	23
131	Headspace single drop microextraction of methylcyclopentadienyl-manganese tricarbonyl from water samples followed by gas chromatographyâ€“mass spectrometry. Talanta, 2007, 74, 47-51.	2.9	23
132	Treatment of unpleasant odors in municipal wastewater treatment plants. Water Science and Technology, 2010, 61, 2635-2644.	1.2	23
133	Predictions of Co2 solubility and CO2 saturated liquid density of heavy oils and bitumens using a cubic equation of state. Fluid Phase Equilibria, 1991, 64, 33-48.	1.4	22
134	Optimum infection conditions for recombinant protein production in insect cell (Bm5) suspension culture. Biotechnology Progress, 1994, 10, 636-643.	1.3	22
135	Relaxed Lyapunov criteria for robust global stabilisation of non-linear systems. International Journal of Control, 2009, 82, 2077-2094.	1.2	22
136	Application of Solid-Phase Microextraction for the Analysis of Nitropolycyclic Aromatic Hydrocarbons in Water. Chromatographia, 2006, 63, 85-89.	0.7	21
137	Estimation of binary interaction parameters for equations of state subject to liquid phase stability requirements. Fluid Phase Equilibria, 1989, 53, 81-88.	1.4	20
138	Simultaneous multiphase isothermal/isenthalpic flash and stability calculations for reacting/non-reacting systems. Separation and Purification Technology, 1990, 4, 215-222.	0.3	20
139	Distributor effects in liquid fluidized beds of low-density particles. AICHE Journal, 1991, 37, 1825-1832.	1.8	20
140	Assessing odour nuisance from wastewater treatment and composting facilities in Greece. Waste Management and Research, 2010, 28, 977-984.	2.2	19
141	Evaluation of a MBR pilot treating industrial wastewater with a high COD/N ratio. Journal of Chemical Technology and Biotechnology, 2015, 90, 26-33.	1.6	19
142	Microbial Degradation of HDPE Secondary Microplastics: Preliminary Results. Springer Water, 2018, , 181-188.	0.2	19
143	Simplification of quasilinearization method for parameter estimation. AICHE Journal, 1983, 29, 858-864.	1.8	18
144	Determination of Enterobacteria in Air and Wastewater Samples from a Wastewater Treatment Plant by Epi-Fluorescence Microscopy. Water, Air and Soil Pollution, 2008, 8, 107-115.	0.8	18

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145	Nitrogen cycling and relationships between ammonia oxidizers and denitrifiers in a clay-loam soil. Applied Microbiology and Biotechnology, 2013, 97, 5507-5515.	1.7	18
146	A cellular automation model for the growth of anchorage-dependent mammalian cells used in vaccine production. Chemical Engineering Science, 1992, 47, 2381-2386.	1.9	17
147	A Unified Description of the Kinetics of Hydrate Nucleation, Growth, and Decomposition. Annals of the New York Academy of Sciences, 1994, 715, 311-322.	1.8	17
148	Large scale groundwater flow and hexavalent chromium transport modeling under current and future climatic conditions: the case of Asopos River Basin. Environmental Science and Pollution Research, 2016, 23, 5307-5321.	2.7	17
149	Environmental applications of nanobubble technology: Field testing at industrial scale. Canadian Journal of Chemical Engineering, 2021, 99, 2345-2354.	0.9	17
150	A systematic approach for the efficient estimation of interaction parameters in equations of state using binary vle data. Canadian Journal of Chemical Engineering, 1993, 71, 322-326.	0.9	16
151	Title is missing!. Water, Air and Soil Pollution, 2003, 3, 103-115.	0.8	16
152	Identifying the controlling mechanism of geogenic origin chromium release in soils. Journal of Hazardous Materials, 2019, 366, 169-176.	6.5	16
153	In Situ Aerobic Bioremediation of Sediments Polluted with Petroleum Hydrocarbons: A Critical Review. Journal of Marine Science and Engineering, 2021, 9, 1003.	1.2	16
154	Explicit approximations of the mean spherical approximation model for electrolyte solutions. The Journal of Physical Chemistry, 1993, 97, 5403-5409.	2.9	15
155	Ice photolysis of 2,2â€²,4,4â€²,6-pentabromodiphenyl ether (BDE-100): Laboratory investigations using solid phase microextraction. Analytica Chimica Acta, 2012, 742, 90-96.	2.6	15
156	Growth characteristics of a Bombyx mori insect cell line in stationary and suspension cultures. Canadian Journal of Chemical Engineering, 1991, 69, 457-464.	0.9	14
157	Modelling a circulating fluidized bed riser reactor with gasâ€"solids downflow at the wall. Canadian Journal of Chemical Engineering, 1997, 75, 317-326.	0.9	14
158	A whole-plant mathematical model for the phytoextraction of lead (Pb) by maize. Environment International, 2005, 31, 255-262.	4.8	14
159	Conversion of Uric Acid into Ammonium in Oil-Degrading Marine Microbial Communities: a Possible Role of Halomonads. Microbial Ecology, 2015, 70, 724-740.	1.4	14
160	On the constancy of axial dispersion coefficients in liquid fluidized beds. The Chemical Engineering Journal, 1992, 49, 17-26.	0.4	13
161	Nanoplastic Generation from Secondary PE Microplastics: Microorganism-Induced Fragmentation. Microplastics, 2022, 1, 85-101.	1.6	13
162	Hydrodynamic and kinetic modelling of circulating fluidized bed reactors applied to a modified Claus plant. Chemical Engineering Science, 1996, 51, 5251-5262.	1.9	12

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163	ULIXES, unravelling and exploiting Mediterranean Sea microbial diversity and ecology for xenobioticsâ€™ and pollutantsâ€™ clean up. Reviews in Environmental Science and Biotechnology, 2012, 11, 207-211.	3.9	12
164	Simultaneous regression of binary VLE and VLLE data. Fluid Phase Equilibria, 1990, 61, 1-15.	1.4	11
165	Dissolved organic nitrogen as an indicator of livestock impacts on soil biochemical quality. Applied Geochemistry, 2011, 26, S340-S343.	1.4	11
166	Efficiency of two constructed wetland systems for wastewater treatment: removal of bacterial indicators and enteric viruses. Journal of Chemical Technology and Biotechnology, 2019, 94, 2123-2130.	1.6	11
167	Optimization of biomass production from Stichococcous sp. biofilms coupled to wastewater treatment. Biochemical Engineering Journal, 2021, 169, 107964.	1.8	11
168	Evaluation of a hollow fiber oxygenator for use in bubbleâ€”free mammalian cell bioreactors. Canadian Journal of Chemical Engineering, 1991, 69, 444-449.	0.9	10
169	Bioremediation and toxicity determination of natural seawater polluted with weathered crude oil by salt-tolerant consortia in a SBR. Marine Pollution Bulletin, 2006, 52, 1490-1493.	2.3	10
170	Experimental evaluation of a quasi-steady-state controller for yeast fermentation. Biotechnology and Bioengineering, 1981, 23, 921-938.	1.7	9
171	Sequential experimental design of dynamic systems through the use of information index. Canadian Journal of Chemical Engineering, 1984, 62, 730-737.	0.9	9
172	An accelerated successive substitution method for single stage flash calculations. Canadian Journal of Chemical Engineering, 1988, 66, 291-296.	0.9	9
173	Low-serum medium development for human diploid fibroblast microcarrier cultures. Applied Microbiology and Biotechnology, 1992, 38, 165-72.	1.7	8
174	Effect of temperature on recombinant protein production using the Bm5/Bm5.NPV expression system. Canadian Journal of Chemical Engineering, 1996, 74, 511-517.	0.9	8
175	Experimental determination of the rate of autolysis of trypsin at 37 ï¿½C. Biotechnology Letters, 1996, 10, 601-606.	0.5	8
176	Characterization and Dispersion Modeling of Odors from a Piggery Facility. Journal of Environmental Quality, 2010, 39, 2170-2178.	1.0	8
177	Production of High Purity Biosurfactants Using Heavy Oil Residues as Carbon Source. Energies, 2021, 14, 3557.	1.6	8
178	Dissolved oxygen technologies as a novel strategy for nonâ€healing wounds: A critical review. Wound Repair and Regeneration, 2021, 29, 1062-1079.	1.5	8
179	Evaluation of Gas Hydrate Formation and Deposition in Condensate Pipelines: Pilot Plant Studies. SPE Production and Operations, 1993, 8, 185-190.	0.6	7
180	Interaction Parameter Estimation in Cubic Equations of State Using Binary Phase Equilibrium and Critical Point Dataâ€. Industrial & Engineering Chemistry Research, 1998, 37, 1613-1618.	1.8	7

#	Article	IF	Citations
181	Petroleum Spill Control with Biological Means. , 2011, , 263-274.		7
182	Comparison of Hydrocarbon-Degrading Consortia from Surface and Deep Waters of the Eastern Mediterranean Sea: Characterization and Degradation Potential. Energies, 2021, 14, 2246.	1.6	7
183	Effect of data length on the region of convergence in parameter estimation using quasilinearization. AICHE Journal, 1980, 26, 670-672.	1.8	6
184	Cell cycle dynamics of microcarrier cultures. Journal of Biotechnology, 1994, 34, 133-147.	1.9	6
185	Oxygenation capabilities of basket-type bioreactors for microcarrier cultures of anchorage-dependent cells. Bioprocess and Biosystems Engineering, 1997, 17, 151.	0.5	6
186	Assessing the impact of geogenic chromium uptake by carrots (Daucus carota) grown in Asopos river basin. Environmental Research, 2017, 152, 96-101.	3.7	6
187	A Multi-Species Investigation of Spongesâ€™ Filtering Activity towards Marine Microalgae. Marine Drugs, 2022, 20, 24.	2.2	6
188	The extended serial subculture of human diploid fibroblasts on microcarriers using a new medium supplement formulation. Biotechnology and Bioengineering, 1992, 40, 1039-1044.	1.7	5
189	Monitoring of the Degradation Activities and the Diversity of the Microbial Community Degrading Refinery Waste Sludge. Water, Air and Soil Pollution, 2004, 4, 75-85.	0.8	5
190	Theoretical Insight into the Biodegradation of Solitary Oil Microdroplets Moving through a Water Column. Bioengineering, 2018, 5, 15.	1.6	5
191	Identification of bacterial communities on different surface materials of museum artefacts using high throughput sequencing. Journal of Cultural Heritage, 2022, 54, 44-52.	1.5	5
192	Computer control of continuous immobilized cell penicillin fermentations: Simulation studies. Canadian Journal of Chemical Engineering, 1986, 64, 581-587.	0.9	4
193	Constrained least squares estimation of binary interaction parameters in equations of state. Computers and Chemical Engineering, 1993, 17, 117-121.	2.0	4
194	Separation of monoclonal IgM antibodies using tangential flow ultrafiltration. Canadian Journal of Chemical Engineering, 1994, 72, 982-990.	0.9	4
195	A pilot scale electrolytic unit for tertiary treatment of industrial effluents. International Journal of Environmental Technology and Management, 2006, 6, 480.	0.1	4
196	Electrolytic Pretreatment of Olive Mill Wastewater (OMW) for Methane to Hydrogen Production. Separation Science and Technology, 2010, 45, 1529-1537.	1.3	4
197	Implementation and demonstration of a quasi-steady-state controller for yeast fermentation. Canadian Journal of Chemical Engineering, 1981, 59, 377-381.	0.9	3
198	Subsaturation equilibrium distribution of carbon dioxide between bitumen and water. Fluid Phase Equilibria, 1989, 52, 299-306.	1.4	3

#	Article	IF	Citations
199	Effect of endogenous proteins on growth and antibody productivity in hybridoma batch cultures. Cytotechnology, 1994, 15, 95-102.	0.7	3
200	Bioremediation. Journal of Chemical Technology and Biotechnology, 2012, 87, 1219-1221.	1.6	3
201	Computer simulation of a submerged membrane bioreactor treating high COD industrial wastewater. Frontiers in Environmental Science, 2014, 2, .	1.5	3
202	Ex Situ Bioremediation Treatment (Landfarming). Springer Protocols, 2016, , 195-220.	0.1	3
203	Increasing the Size of Region of Convergence for Parameter Estimation. , 1982, , .		3
204	Improved Reservoir Characterization Using Automatic History Matching Procedures. Journal of Canadian Petroleum Technology, 1993, 32, .	2.3	2
205	Influence of the Organic Compounds on the Ecotoxicity in the Treatment of Foundry Sludge and Olive Mill Waste. Annali Di Chimica, 2006, 96, 505-514.	0.6	2
206	Effect of acclimatization factors on reproducibility of biogas production in anaerobic cultures from electrochemically pre-treated or filtered olive mill wastewater. Desalination and Water Treatment, 2010, 23, 206-213.	1.0	2
207	Frontiers and challenges in the bioremediation of contaminated sites. New Biotechnology, 2012, 30, 1-2.	2.4	2
208	Olive mill wastewater phytoremediation employing economically important woody plants. Journal of Environmental Management, 2022, 302, 114076.	3.8	2
209	Phase equilibria predictions for the CO₂â€H₂Oâ€NaClâ€bitumen system. Canadian Journal of Chemical Engineering, 1990, 68, 498-503.	0.9	1
210	A micromachined DEP cell filtration device. , 0, , .		1
211	An investigation into the possible effects of proteolysis on IgM enzyme-linked immunosorbent assay titres. The Chemical Engineering Journal and the Biochemical Engineering Journal, 1997, 65, 87-91.	0.1	1
212	Bioremediation of Industrial and Agro-industrial Effluents. Journal of Chemical Technology and Biotechnology, 2006, 81, 1449-1449.	1.6	1
213	Biostimulation Strategies for Enhanced Bioremediation of Marine Oil Spills Including Chronic Pollution. , 2016, , 1-10.		1
214	Recent Advances in Bioremediation. Journal of Chemical Technology and Biotechnology, 2016, 91, 1575-1576.	1.6	1
215	Microplasticsâ€"A New Journal on the Environmental Challenges and Adverse Health Effects of Microplastics. Microplastics, 2021, 1, 1-2.	1.6	1
216	DYNAMICS OF A RHIZODEGRADATION PILOT UNIT TREATING GROUNDWATER CONTAMINATED WITH BISPHENOL-A. Environmental Engineering and Management Journal, 2014, 13, 2173-2178.	0.2	1

#	Article	IF	Citations
217	Effect of endogenous proteins on growth and antibody productivity in hybridoma batch cultures. Current Applications of Cell Culture Engineering, 1994, , 95-102.	0.1	1
218	Emulating Deep-Sea Bioremediation: Oil Plume Degradation by Undisturbed Deep-Sea Microbial Communities Using a High-Pressure Sampling and Experimentation System. Energies, 2022, 15, 4525.	1.6	1
219	An investigation into the possible effects of proteolysis on IgM enzyme-linked immunosorbent assay titres. Chemical Engineering Journal, 1997, 65, 87-91.	6.6	0
220	Bioreactor Design to Emulate Deep-Sea Hydrocarbon Releases Including Formation of Gas Hydrates. Springer Protocols, 2016, , 65-78.	0.1	0
221	11th International Phytotechnologies Conference, Heraklion, Crete, Greece, September 30â^'October 3, 2014. International Journal of Phytoremediation, 2016, 18, 535-535.	1.7	0
222	Alternative technologies for olive mill wastewater management with emphasis on soil application. Acta Horticulturae, 2018, , 241-250.	0.1	0
223	Biostimulation Strategies for Enhanced Bioremediation of Marine Oil Spills Including Chronic Pollution. , 2019, , 89-98.		0
224	Effect of acclimatization factors on reproducibility of biogas production in anaerobic cultures from electrochemically pre-treated or filtered olive mill wastewater. , 0, , 206-213.		0
225	Petroleum Spill Control With Biological Means. , 2019, , 197-210.		0